

ALBERT R. MANN
LIBRARY

NEW YORK STATE COLLEGES
OF
AGRICULTURE AND HOME ECONOMICS

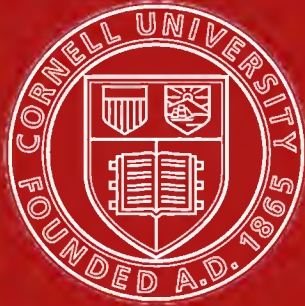


AT
CORNELL UNIVERSITY

Date Due

Jan 22 60 PM

Library Bureau Cat No 1137

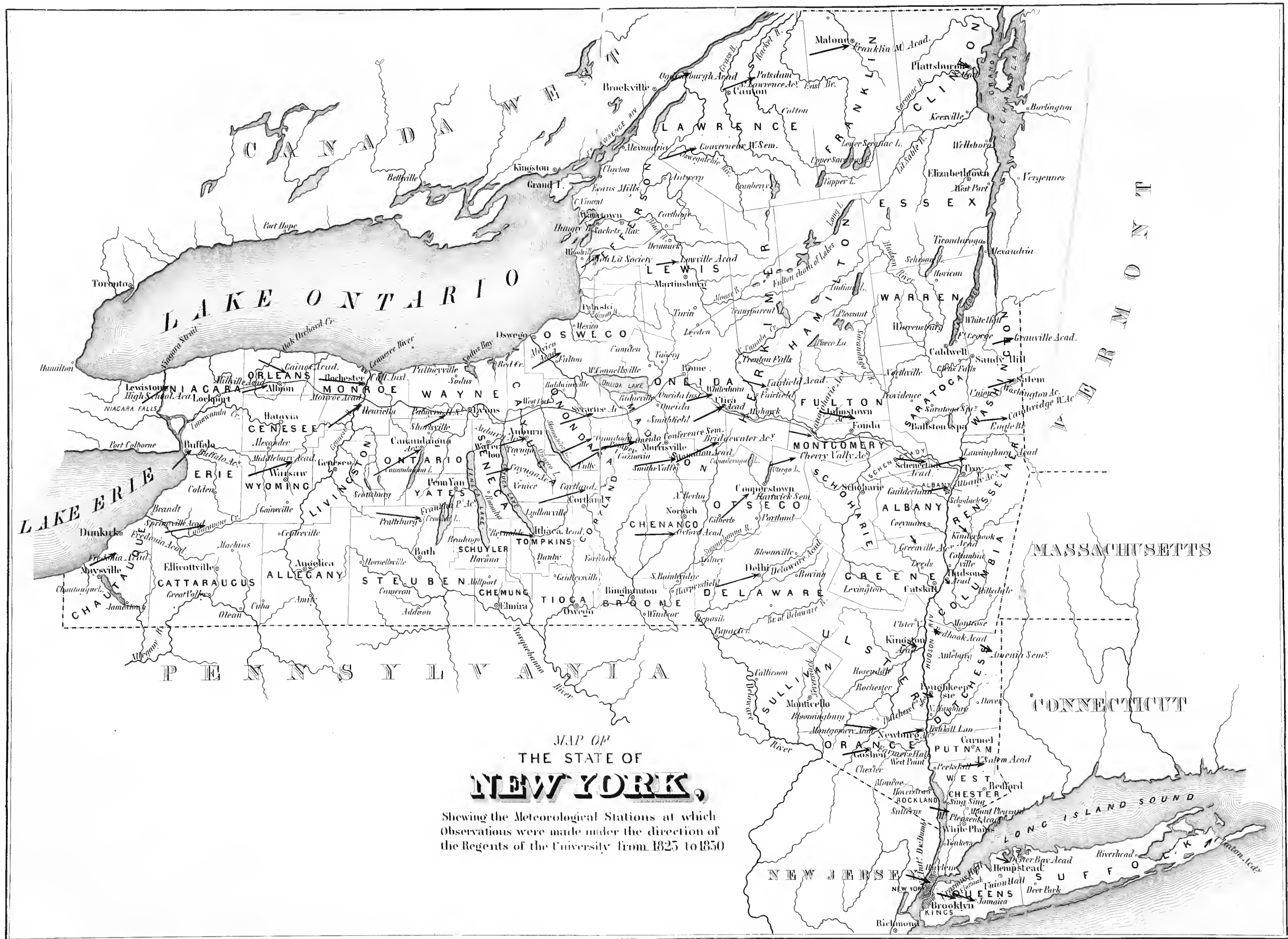


Cornell University
Library

The original of this book is in
the Cornell University Library.

There are no known copyright restrictions in
the United States on the use of the text.

<http://www.archive.org/details/cu31924000010268>



RESULTS
OF A SERIES OF
METEOROLOGICAL OBSERVATIONS,
MADE IN OBEDIENCE TO INSTRUCTIONS
FROM
THE REGENTS OF THE UNIVERSITY,
AT
SUNDRY ACADEMIES IN THE STATE OF NEW-YORK,
FROM 1826 TO 1850 INCLUSIVE.

COMPILED FROM THE ORIGINAL RETURNS, AND THE ANNUAL REPORTS OF THE REGENTS OF THE UNIVERSITY,
BY FRANKLIN B. HOUGH, A.M., M.D.,
CORRESPONDING MEMBER OF THE NEW-YORK HISTORICAL SOCIETY.

PUBLISHED BY LEGISLATIVE AUTHORITY.

ALBANY:
WEED, PARSONS AND COMPANY, PRINTERS.
1855.

148663

AN ACT

Providing for the publication of the Results of Meteorological Observations made under the direction of the Regents of the University from the year one thousand eight hundred and twenty-five to one thousand eight hundred and fifty, inclusive.

PASSED April 15, 1854, three-fifths being present.

The People of the State of New-York, represented in Senate and Assembly, do enact as follows:

§ 1. The Regents of the University are hereby empowered to contract for the publication of the results of the Meteorological Observations, made under their direction at the several academies of the state, from the year one thousand eight hundred and twenty-five to one thousand eight hundred and fifty, inclusive, upon such terms and in such manner as they shall deem proper.

§ 2. The sum of three thousand dollars is hereby appropriated for the above purpose.

§ 3. This act shall take effect immediately.

INTRODUCTION.

THE Regents of the University of the State of New-York, who are, by law, constituted the guardians and visitors of the several academies within the State which participate in the distribution of its Literature Fund, by a resolution, passed March 1st, 1825, directed that each of the academies incorporated by their Board should be furnished with a thermometer and pluviometer, or rain gage, the expense of which should be paid out of the funds of the Regents. The Vice-Chancellor (Mr. SIMEON DE WITT), and MESSRS. GERRIT Y. LANSING and JOHN GREIG, were appointed a committee to provide these instruments, and to prescribe rules for making observations upon them, and of keeping meteorological records, of which, reports were required to be annually made to the Board. At a subsequent meeting of the Regents, it was resolved that, in addition to the requirements then existing, an exact register of observations, made with the thermometers and rain gages furnished to academies, according to the instructions that might be given by the committee appointed for that purpose, should be considered necessary to entitle academies to their dividends of the public fund.

The system of observations thus required was subsequently maintained at a considerable proportion, but not at all, of the academies of the State, from 1826 to 1850, inclusive; and from the results reported to the Regents an abstract was published in the annual reports of that body. Meanwhile, with the improvements in the construction of instruments, and new discoveries in the science of meteorology, it was felt that this system of observations scarcely kept pace with the general increase of knowledge; and accordingly the Legislature, in 1849, in compliance with the advice of the Regents, granted a sum of money for the purchase of improved meteorological instruments, with the view of the establishment of a new system of observations, in accordance with the increased demands of science. This change was made to conform with the system of meteorological observations organized under the direction of the Smithsonian Institute at Washington, which is designed to embrace as extensive a field of observation in the United States and adjacent countries as possible. To this institution the New-York observers were required to report; and from it they were expected to receive their blanks and instructions.

The former series of observations, extending throughout the State, and over the period of a quarter of a century, having thus been brought to a close, it became an interesting subject of inquiry, whether useful practical deductions, and facts tending to establish important scientific results, might not be obtained from a generalization of the data which had been recorded; and this seemed the more necessary, as the annual results, as published, were scattered through voluminous documents, some of which were difficult of access, and of which very few entire series existed together.

Although the immediate laws which govern meteorological changes can only be studied by a comparison of simultaneous observations, made at proper intervals of time and space, yet many of the laws of climate, the modifications from local causes, and useful comparisons between different seasons, can be advantageously shown from records like those which form the subject of this work. With this view, the Regents of the University were pleased to approbate a proposition made to their body by the editor of this volume, in 1850, for the collection and generalization of the series of records which had been made under their direction; and to express their belief that the results, thus afforded, would possess the highest interest to science. The American Association for the Advancement of Science, at its session in Albany, in August, 1851,

referred the subject to its meteorological committee, who, after due examination, reported a resolution commending it to the Legislature for patronage, and appointed a sub-committee, consisting of Dr. T. ROMEYN BECK, of Albany, Professor E. LOOMIS, of New-York, and Professor A. GUYOT, of Cambridge, Mass., to examine the relative merits of the several classes of records that had been made by academies, and to decide upon what portions the proposed results should be based, and what parts, if any, should be omitted as unimportant.

In the course of this investigation, it was recommended that records of parts of years should be omitted, as tending to produce unequal results; and that instead of noting the prevailing direction of the wind, by the initials of the cardinal points, the resultant of the wind should be given. The work of collection and generalization having been completed, was submitted by the Regents to the Legislature of 1854, for publication; and an act, passed in accordance with their recommendation, has enabled them to issue this volume.

With this brief history of the work, it may be proper to give a detail of the instructions that were issued to observers, with such additional directions for observations as were subsequently issued, in order that the results may be received at their just value.

The THERMOMETERS originally furnished were mostly manufactured by Mr. Kendall, of New Lebanon, but in many instances these were repeatedly replaced, when broken, by others of different makers; but in all instances, the graduation was that of Fahrenheit. Observers were directed to place this instrument "in a situation where there is a free circulation of air, and where it cannot be affected either by the direct or reflected rays of the sun, or by a radiation of heat or cold from neighboring bodies. Heat may be reflected or radiated from bare dry earth, sand, gravel or pavement; the place about it should therefore be covered with grass in its season. Heat may be reflected to some distance from walls or other structures of a light color; the thermometer should therefore be placed considerably remote from them. Massy walls slowly imbibe or part with caloric; they will therefore, after sudden changes in the weather, possess for some time a temperature different from that of the circulating air, and by radiation affect the thermometer, if placed near to or in contact with them; this must therefore be avoided.

"*Observations by the Thermometer* must be made every morning, before sunrise, in order to obtain the lowest degree; every afternoon at three o'clock, or thereabouts, when it shows the highest degree; and every evening an hour after sunset. The lowest degree, or coldest weather, is supposed to occur, generally, between the commencement of daylight and sunrise; and the highest degree, or warmest weather, between two and four o'clock in the afternoon."

The daily mean was directed to be found by adding to the morning observation twice the afternoon observation, and twice the evening observation with the next morning's observation, and dividing their sum by 6. To ascertain the comparative result of this method, and the arithmetical mean of the three observations, the mean obtained by both rules was ascertained by Dr. T. ROMEYN BECK, during a period of four years of observation at Albany, with the following results.*

MONTHS.	1826.		1827.		1828.		1829.	
	Arithmet'cal Mean.	Regents' Rule.	Arithmet'cal Mean.	Regents' rule.	Arithmet'cal mean.	Regents' rule.	Arithmet'cal mean.	Regents' rule.
January, - -	27,74	28,25	17,16	17,40	29,92	30,24	22,97	23,49
February, -	29,79	30,57	27,10	27,49	34,81	35,24	19,98	19,96
March, - -	37,75	38,60	30,39	37,47	38,58	39,61	32,57	32,92
April, - -	44,40	45,54	50,74	51,48	44,94	45,85	48,05	48,10
May, - -	66,49	67,01	59,40	59,70	60,87	61,46	64,17	64,45
June, - - -	70,50	70,45	67,82	68,17	73,19	74,04	68,03	66,12
July, - - -	73,11	73,66	72,74	73,29	71,36	71,11	67,28	68,57
August, - -	71,79	72,88	69,51	70,09	73,35	72,92	69,71	68,97
September, -	64,00	64,93	61,62	62,35	62,19	62,17	57,00	57,04
October, - -	51,92	52,49	51,48	51,77	48,64	48,50	51,28	51,27
November, -	39,74	39,88	33,87	34,19	40,34	39,77	39,52	39,19
December, - -	28,93	29,07	29,77	30,02	34,57	34,52	36,95	36,45
Annual mean,	50,51	51,07	48,13	48,62	51,06	51,36	48,42	48,20

* See Transactions of the Albany Institute.

This comparison shows that the rule adopted for obtaining the mean temperature gave a result about one-third of a degree above the arithmetical mean. Twice during each day the temperature is equal to the mean, and if these periods were constant, a single observation would suffice; but experience shows that these moments vary considerably, and occur at a time when the temperature is changing most rapidly. The periods of daily maximum and minimum temperature are more constant, yet these are found to range through several hours. In general, they both occur a little sooner in winter than in summer, and they are very liable to be influenced by the state of the sky and direction of the wind. In climates where land and sea breezes prevail, the highest temperature often occurs before noon, and changes of the wind, in our own climate, may often produce similar results; so that although the afternoon observation, directed to be made at academies, was intended to represent the highest temperature of the day, exceptional cases would unavoidably occur.

THE RAIN GAGE first supplied to academies consisted of an inverted cone, attached a cylindrical vessel of one-eighth of its sectional area, at the bottom of which was a hollow floating bulb; from this float a thin graduated rod passed up through a bar placed across the mouth of the funnel, and the depth of rain was indicated by the degree to which the upright rod arose. After noting the depth the water was drawn off from below, the instrument was ready for a new observation. This rain gage is shown in Plate I, fig. 1, in which *a c b* represent the funnel, *d* the float, *e d* the rod passing through the bar *a b*, at which the reading was made. This instrument was directed to be placed remote from all elevated structures, to a distance at least equal to their height, and still further off when convenient, and not more than ten feet above the surface of the ground. In freezing weather, when the rain gage could not be used out of doors, the observers were directed to substitute a tin vessel, with an aperture exactly equal to that of the rain gage, and wider below, in which the rain, sleet and snow might be caught. The contents being melted and poured into the rain gage, its depth, thus ascertained, was entered in the register.

In 1833, the Regents resolved that each of the academies subject to their visitation should be furnished with a *conical rain gage*, upon which observations were to be made at the same time with those previously furnished, and the results of both were directed to be reported, in order to determine their comparative value. This instrument was of very simple construction, consisting of an inverted cone, into which a conical cap was loosely fitted, which, while it allowed whatever rain fell upon it to pass down, prevented evaporation.* Plate 1, fig. 2, represents this instrument, in which *a b c d* is the rain gage, *e f g* its cover, and *s* the accompanying scale. An observation was made by taking the vertical depth of water by a thin rod, and measuring the portion that was wet upon the scale, which was so graduated as to show the corresponding depth of a cylinder of water having the same diameter as the mouth of the gage. The conical rain gage had the peculiar excellency of showing small quantities of rain with great accuracy, the graduation of the scale indicating hundredths of an inch for the first three-tenths, and above that, tenths and half tenths. Like the other, this gage was directed to be suspended on a post, about eight feet from the ground; and, in protracted rains, repeated observations were to be made before the depth was such that the corresponding graduation of the scale was crowded.

Comparative observations, made at the same locality but at different altitudes, have shown that the quantity of rain indicated depends much upon the height of the instrument, and that, in general, the most rain would be received in the rain gage nearest the surface. Observations made at the New-York Institution for the Deaf and Dumb, in 1845, '6, upon instruments five and eighty-five feet from the ground, gave, in a period of sixteen months, 60, 2, and 44, 7 inches respectively, a difference of 15, 5 inches. Similar observations at York, in England, at elevations of 0, 43½, and 213 feet from the surface, gave, in four years (1832, '3, '4, '5), an annual mean of 22, 17 and 13 inches. It was there observed that the decrease, upwards, was less in warm than in cold weather, from which it may be inferred that it would be less in low than in high latitudes.

The number of days on which it rained, or snowed, or both, whether for a longer or a shorter period, was directed to be entered in columns reserved for these purposes; but, in examining the returns, it will be found that fractions were frequently entered, indicating that *half days*, instead of entire days, were noted, for which reason no attempt was made to obtain the mean and total of these items, excepting at the Albany station.

* See the American Journal of Science and Arts, First Series, Vol. xlii, Page 321.

The register, in which observations of each month were entered, was ruled into ten vertical columns, in the first of which were the days of the month; the second, third and fourth, the morning, afternoon and evening observation of the thermometer; in the fifth, their mean, found by the rule previously mentioned; in the sixth and seventh, the prevailing direction of the wind, in the forenoon and afternoon, indicated by the initial letters of the eight half quarters of the compass; in the eighth and ninth, to be headed "weather," the words "clear," or "cloudy," according to the prevalence of the one or the other aspect of the sky in the forenoon and afternoon; and in the tenth column, the depth of rain or snow, as shown by the rain gage. No particular hours were observed for taking the observation upon the direction of the wind or the aspect of the sky, it being understood that the general prevalence, during each half day, should afford the subject of entry. The various items entered in the record were added up separately by half months, and at the end of each month the results of both halves were noted. At the end of the record, an abstract showing the results of each month, and of the whole year, was directed to be added, from which the annual tables in the reports of the Regents were mostly derived.

One blank page to each month was appropriated to observations on vegetation; and also such miscellaneous remarks as might be considered interesting, such as thunder and lightning, hail storms, tornadoes or hurricanes, destructive floods, uncommon meteors, white or hoar frost, the first appearance of barn swallows in the spring, and occasionally the depth of snow on the ground, and its disappearance, &c.

The Observations upon the phenomena of vegetation were directed to the time when the white or red currants blossom; when the shad bush (*Amecanthier canadensis*) and dogwood trees (*Cornus*, several species), in their natural situations, are in blossom; and the peach, pear and apple trees, in open fields, are in bloom; or when at least one-half of all the blossoms were fully expanded; when the aments or flowers of the white oak, the chestnut, the black birch, and the aspen begin to drop; when ripe field strawberries first appear in any quantity; when the *last killing frost* occurs in the spring, observed on tender buds, young leaves, or the germs of fruit trees, or other vegetables; and the *first killing frost* in the fall of the year, noticed by its destroying tender plants, such as the vines of cucumbers, melons and beans. To these were frequently added, miscellaneous notes upon periodical phenomena.

Observers were required to report their elevation above tide, if ascertained, or if not, the relative height of their stations, with reference to some point ascertained by canal or railroad surveys, together with the latitude and longitude, or such information in relation to distances from town lines, as would enable one to determine these from the county maps. It was also recommended that the temperature of wells should be ascertained, in winter and in summer, the depth at which the observation was made being stated.*

On the 28th of March, 1832, the Regents, upon the recommendation of a committee, consisting of the Chancellor, and Messrs. DIX and BLEECKER, to whom was referred a suggestion from the trustees of Geneva College, reported in favor of urging upon the colleges and academies subject to their visitation the importance of observing, at least once in a year, the *azimuth of the magnetic meridian*, with the view of ascertaining the annual changes in the direction of the magnetic needle. As the Regents were not invested with the power of enjoining these observations, the measure was strongly recommended, and concise directions were given for making observations upon the pole star at its greatest azimuth, with the view of finding the true meridian, by comparison of which, the variation might be determined. The circular letter, in which this subject was first submitted to the colleges and academies, concluded with the following remarks:

"In regard to the subject now presented to your notice, the Regents claim no mandatory authority, especially over colleges; it therefore comes to you as a recommendation, that you will coöperate with those who preside over other institutions, for carrying into effect a measure deemed important for the promotion of science, and which may be considered of still greater importance in matters touching conflicting claims between individuals of our State. It is therefore hoped,

* As we descend below the earth's surface, the range of temperature rapidly diminishes, till at a depth of thirty or forty feet it becomes uniform, and nearly that of the annual mean of the locality. Beyond this it progressively increases with the depth, as proved in mines and artesian wells. This increase, if uniform, would give a temperature of boiling water at a depth of about two miles. Thermal springs are supposed to have their sources from great depths. Those of New Lebanon, in Columbia county, have a constant temperature of 75°. The brine raised at Syracuse, from wells bored to the depth of from 250 to 400 feet, show a constant temperature of 52°. The above suggestion of the Regents was only acted upon by a few observers, and for short periods.

that, impressed with a due sense of the general purposes for which the institution over which you preside has been created, this representation, made on behalf of the Regents, may not be disregarded, and that hereafter they may be furnished by the colleges and academies, in their annual reports, with observations made by them on the direction of the magnetic needle, compared with that of the true meridian, and that a detailed account be given, by each, of the manner in which its meridian line has been established."

About fifty observations were made accordingly, which are comprised in the table on this and the following pages. Other observations are included, derived, in part, from a valuable article by Professor E. LOOMIS,* and in part from records in the office of the Secretary of State at Albany.

As early as 1808, the Legislature, on the representation of Mr. SIMEON DE WITT, Surveyor-General, passed a concurrent resolution, directing that officer to adopt such measures as he might deem expedient for observing the variation of the needle in different parts of the State, and to report his proceedings.† No special report was made; but in many of the surveys, executed under his direction, this variation is recorded. The importance of this subject should lead to the determination of the true meridian, and its preservation by permanent monuments, at one or more places in each county in the State, at which local surveyors might determine the azimuth of the magnetic needle, for noting in their surveys.

TABLE OF MAGNETIC VARIATION IN THE STATE OF NEW-YORK.

Place of Observation.	Latitude.	Longitude.	Time of Observation.	Variation.	Authority.
Albany,.....	N. 42° 39'	W. 73° 44'	1817,	5° 44' W.	Simeon De Witt, Surveyor-General.
do	42 39	73 44	August 1, 1818,	5 45	do
do	42 39	73 44	April 24, 1825,	6 00	do
do	42 39	73 44	September 20, 1828,	6 16	Regents' Reports.
do	42 39	73 44	September 22, 1828,	6 18	do
do	42 39	73 44	June 14, 1830,	6 18	do
do	42 39	73 44	May 5, 1831,	6 25	do
do	42 39	73 44	November 5, 1831,	6 40	do
do	42 39	73 44	October 1, 1834,	6 40	do
do	42 39	73 44	October 29, 1836,	6 47	do
do	42 39	73 44	November 1847,	7 35	do
Aneram, S. W. cor. Mass.,	42 06	73 37	1853,	7 39	J. T. Hogeboom.
Auburn,	42 55	76 28	October 25, 1833,	3 43	Regents' Reports.
Buffalo,	42 53	78 55	1837,	1 25	R. W. Haskins.
Canajoharie,	42 53	74 35	October 18, 1839,	6 05	Regents' Reports.
Cazenovia,	42 55	75 51	October 31, 1834,	3 25	do
do	42 55	75 51	August 17, 1837,	4 00	do
do	42 55	75 51	May 26, 1840,	4 22	do
do	42 55	75 51	June 6, 1841,	4 31	do
do	42 55	75 51	July 20, 1842,	4 36	do
do	42 55	75 51	June 21, 1843,	3 51½	do
Cherry Valley,	42 48	74 47	August 19, 1839,	5 13	do
Delaware River,	42 00	75 58	1774,	4 20	D. Rittenhouse.
Dunkirk,	42 29	79 33	1845,	1 07	Chart of Lake Erie, by Corps of T. E.
East Hampton,	41 00	72 19	November 5, 1834,	6 08	Regents' Reports.
Flatbush,	40 37	73 58	October 1834,	4 25	do
do	40 37	73 58	October 1835,	4 45	do
do	40 37	73 58	October 1837,	4 45	do
do	40 37	73 58	December 18, 1838,	4 45	do
do	40 37	73 58	January 4, 1840,	4 55	do
do	40 37	73 58	December 22, 1840,	5 00	do
do	40 37	73 58	December 30, 1841,	5 12	do
do	40 37	73 58	December 30, 1842,	5 10	do
do	40 37	73 58	December 25, 1844,	5 05	do
do	40 37	73 58	December 23, 1845,	5 10	do
do	40 37	73 58	December 20, 1847,	5 30	do
do	40 37	73 58	October 26, 1848,	5 15	do
Geneva,	42 52	75 05	October 1, 1833,	3 49	do
Guilford, Chenango co.,...	42 24	75 37	July 6, 1838,	4 30	do

* American Journal of Science and Arts, First Series, Vol. xxxiv., Page 290.

† Assembly Journal, March 7, Senate Journal, March 5, 1808

Place of Observation.	Latitude.	Longitude.	Time of Observation.	Variation.	Authority and Remarks.
Hamilton,	N. 42° 49'	W. 75° 34'	October, 1837,	4° 30' W.	Regents' Reports.
Hempstead,	40 42	73 38	.....	6 00	do
Homer,	42 38	76 11	October 24, 1840,	5 05	do
Ithaca,	42 27	76 30	September, 1831,	2 51	do
Jamaica,	40 41	73 56	..... 1835,	4 00	American Journal of Science, xxxiv.
Johnstown,	43 00	74 23	November 24, 1818,	6 02	Regents' Reports. [Office.]
Lake Champlain,	45 00	73 54	October, 1774,	9 00	John Collins, D. S. Gen., (map No. 175, Sec.
New Preëmtion Line,* ..	42 00	77 06	..... 1795,	3 25	Benjamin Ellicott, (map 47, Sec. Office.)
do do	†	77 06	..... 1795,	2 50	do do
do do	†	77 06	..... 1795,	3 20	do do
do do	†	77 06	..... 1795,	3 55	do do
do do	†	77 06	..... 1795,	3 20	do do
do do	†	77 06	..... 1795,	3 05	do do
do do	†	77 06	..... 1795,	3 25	do do
do do	†	77 06	..... 1795,	3 25	do do
do do	†	77 06	..... 1795,	3 00	do do
do do	†	77 06	..... 1795,	3 35	do do
do do	†	77 06	..... 1795,	3 35	do do
do do	†	77 06	..... 1795,	3 20	do do
do do	†	77 06	..... 1795,	3 10	do do
do do	†	77 06	..... 1795,	3 00	do do
do do	†	77 06	..... 1795,	3 20	do do
do do	†	77 06	..... 1795,	3 50	do do
do do	†	77 06	..... 1795,	3 25	do do
New-York,	40 43	74 01	..... 1686,	8 45	Mr. Welles.
do	40 43	74 01	..... 1723,	7 20	Geo. Burnet.
do	40 43	74 01	..... 1750,	6 22	Mr. Alexander.
do	40 43	74 01	..... 1755,	5 00	Mr. Evans.
do	40 43	74 01	..... 1789,	4 20	Encyclopedia Metropolitana.
do	40 43	74 01	..... 1824,	4 40	Blunt's Map.
do	40 43	74 01	..... 1834,	4 50	Capt. Owen.
do	40 43	74 01	..... 1837,	5 40	Prof. Renwick.
North Salem,	41 26	73 38	September, 1843,	6 00	Regents' Reports.
Oblong,	42 03	73 30	..... 1786,	5 03	Dr. Williams.
Ogdensburgh,	44 43	75 34	November, 1838,	6 10	Regents' Reports.
Oxford,	42 28	75 33	October 9, 1834,	3 51½	do
do	42 28	75 33	October 5, 1836,	4 09	do
Pennsylvania Line,	42 00	75 55	..... 1786,	3 32	S. De Witt and others, Com'rs, (map No. 167, [Sec. Office.]
do do	42 00	76 18	..... 1786,	3 40	20 miles W. Delaware R.
do do	42 00	76 45	..... 1786,	1 50	39 miles W. Delaware R.
do do	42 00	77 16	October, 1786,	2 30	60 m. Chemung river.
do do	42 00	77 38	..... 1786,	1 52	90 m. Tioga river.
do do	42 00	78 15	..... 1786,	0 45	110 m., near source Coyease creek.
do do	42 00	78 50	..... 1786,	1 30	136 m., 8 m. W. of Genesee.
do do	42 00	79 20	..... 1786,	0 55	167 m. Cheneongwaout creek.
do do	42 00	79 58	..... 1786,	0 32	195 m., Connewango creek.
do do	42 00	80 30	October 20, 1787,	0 07	227 m., French creek.
Potsdam,	44 40	75 01	..... 1835,	7 25	Lake Erie, within 3 m. of Ohio line.
Rochester,	43 07	75 51	Fall of 1837,	5 04	Regents' Reports.
Staten Island, .....	.....	.....	..... 1691,	8 45	do
Utica,	43 06	75 13	..... 1834,	4 10	Elias Duxbury's Patent, (Patents vi., 375,
do	43 06	75 13	..... 1836,	3 35	Regents' Reports. [Sec Office.]
West Point,	41 25	73 56	..... 1835,	6 31	do
					Prof. C. Davies.

In their annual report for 1833, the Regents published the circular of the British Association for the Advancement of Science, containing directions for observing the *Aurora Borealis*, and solicited an obedience to its instructions. The particular data desired, were facts tending to establish the *height* of the aurora, the *sounds* said to accompany it at times, its *periods* of appearance, and relative frequency in different years, and its *effect upon the magnetic needle*.

To obtain uniform results, it was advised to examine the sky, and enter the presence or absence of auroras, at 10 P. M. (Greenwich time), and this observation to be continued one hour. The connection with clouds, if any were visible, and its distance relative to them; the nature of the *black mass*, sometimes seen under luminous arcs, whether mere contrast with the enlightened part, or of a cloudy nature; its transparency or opacity, and the way in which it vanishes; the breadth and apparent velocity of streamers, as determined by stars; their lateral motion, and their relation to arcs or clouds, were to be carefully observed. The southward motion of arcs should also be determined, by observing the time between their

* A line drawn from a point in the Pennsylvania boundary, 82 miles west of the Delaware river, north to Great Sodus Bay, on Lake Ontario; passing through a portion of Seneca lake.

† The places of observation on this line were, respectively, 6, 8½, 14, 22, 24½, 30, 33, 37, 40½, 42½, 45½, 49, 60, 70, 75 and 81 miles north of the Pennsylvania line.

passing over different stars; and any changes which may occur in their form noted, or any defect of symmetry. The determination of elevation can scarcely be applied to the streamers of aurora, except when some sudden incurvation or change occurs, which may happen to be noticed at two stations; but the arcs are of a less evanescent nature. For them the altitude above the horizon, and the azimuth with respect to the *true* meridian, are required. It must be observed that the aurora is not visible in telescopes, and therefore these elements are not susceptible of such precision as to make large instruments necessary or even useful. A small theodolite, or one of the little altitude and azimuth circles, invented by Captain Kater, in which the telescope is replaced by a tube having two cross wires at one end and a sight hole at the other, is all that is requisite. Having leveled the instrument, intersect with the wires the *lower edge of the arc* (which is always the best defined) *at its summit*, and read both circles.

The position of the point of convergence of the streamers and of the summit of the arcs, the variation in intensity of terrestrial magnetism, as shown by changes of the horizontal and the dipping needles, were indicated as important data for observation, and directions for ascertaining them were given.

The directions for recording auroras were followed at some of the stations with much care; and at others, notices and descriptions of the aurora were given in detail, with numerous facts of interest, in proving the extent and changes of this beautiful phenomenon. During the entire period, the aurora was recorded on 1,542 days, or about 62 days in each year, which were distributed through the different years and months in the proportion given on page 472.

To indicate the extent of territory over which auroras were simultaneously observed, a list of stations, derived from scientific journals and other records, is added, consisting only of names of places; at the end of which, the detailed descriptions reported by academies are inserted, forming, together, an extensive and valuable collection of data in this special branch of physical science.

The facts embodied in these tables show a progressive increase in frequency of auroras, from December to April; a decrease in May and June, and the greatest frequency in September. They further indicate, that the number of auroras varies with different years, and that the years 1830, 1840, 1841, 1848, 1849 and 1850 were remarkable for the frequency, while 1828, 1829, 1832, 1835, 1844 and 1845 were characterized by the fewness of days on which they were observed.

The table of days on which *solar* and *lunar haloes* were observed in the several months and years, given on page 471, shows that the greatest number of the former were noticed in the spring months, and of the latter in winter, while the fewest occur in summer; a period when the region of the temperature of congelation necessary to their production is most elevated. Haloes being produced by the refraction of light passing through minute crystals of ice floating in an atmosphere of a temperature below 32° F., must occur, like the rainbow, whenever the conditions of their production coëxist; and they only become of peculiar scientific interest, when seen in unusual size, or with a combination of arcs, indicating extraordinary conditions of form in the refracting bodies, or a peculiarly favorable atmosphere for their appearance.

On several occasions, these unusual haloes have been recorded, figures of which are given on plate I. These arcs are generally parts of circles, having the sun or the zenith as their centres, but occasionally they are described as elliptical or parabolic, which appearances may perhaps be produced by circles having their planes oblique to the observer. The intersection or over-lapping of arcs produces luminous spots denominated parhelia, when seen in solar haloes, which sometimes have conical appendages on the side opposite the sun, consisting of parts of the circles in which they are produced. Vertical columns passing through the sun or moon are occasionally seen, generally when crystals or frost are falling, which are usually white, and observed near the time of sunrise or sunset, but occasionally they are tinged red, or seen passing through the sun when several degrees above the horizon. One of these vertical columns is shown in plate I., fig. 13. A horizontal and a vertical bar of light passing through the moon and limited by a circular halo around it, as shown in fig. 16, form the principal complications seen in lunar haloes, the intensity of the light being insufficient for rendering visible the more complex arcs, should the atmospheric conditions be favorable for their production. When these bars of light are seen across the moon, crystals of frost are generally falling, the reflections of which may, perhaps, be adequate for their production.

The results of observations upon temperature, during the entire period embraced in this volume and at all of the stations, gives a general annual average of 46,74 degrees, and that of the several months, the following :

Months.	First half	Second half	Whole month	Months.	First half	Second half	Whole month
January,	25,17	24,19	24,68	July,	69,12	70,23	69,67
February,	21,63	26,59	24,11	August,	69,94	66,99	68,46
March,	31,02	35,86	33,44	September,	62,14	57,60	59,87
April,	48,05	47,58	45,80	October,	50,49	46,05	48,27
May,	53,37	59,06	56,21	November,	41,24	34,11	37,67
June,	63,71	67,49	65,60	December,	29,19	25,30	27,24

The station having the highest annual mean, is Erasmus Hall (51,62). The following stations exhibit a mean above the general average of the State, viz: Albany, Cayuga, Clinton, Dutchess, Erasmus Hall, Farmers' Hall, Franklin (Prattsburgh), Fredonia, Greenville, Hudson, Ithaca, Kinderhook, Kingston, Lansingburgh, Lewiston, Middlebury, Montgomery, Mount Pleasant, Newburgh, New-York, North Salem, Onondaga, Oyster Bay, Redhook, Rochester, Syracuse and Union Hall. At all others it is below; being less than 44° at Bridgewater, Fairfield, Franklin (Malone), Gouverneur, Lowville, Ogdensburgh, Oneida Conference Seminary, Pompey and St. Lawrence. The extreme range of temperature throughout the whole time and at all the stations, was 145°. The greatest range was observed at Gouverneur, and the least at Oyster Bay. In general, the extremes were found to vary *less*, as the mean temperature was *higher*; the annual extremes of seventeen stations, which were less than 100° having with one exception, a mean above that of the whole state. The mean temperature of Malone, Potsdam, Ogdensburgh and Gouverneur; stations situated north of the great forest of Hamilton and adjacent counties, differs but half a degree; a uniformity observed among no other stations of equal number in the State.

Although geographical position has a decided influence upon the mean temperature of a place, that of altitude (other things being equal), is found to have greater; and there is often noticed between stations but a few miles apart, but at different elevations a decided difference, which can be ascribed to no more probable cause. Between Onondaga and Pompey the difference of elevation is about 850 feet, and the respective mean temperatures are 47,18 and 42,83. A comparison of the facts exhibited on page 461, will afford other but less striking examples, as between Utica and Fairfield or Bridgewater; between Poughkeepsie and Amenia; between Newburgh and Goshen, &c. The decrease of temperature upon mountains, is a familiar fact to travellers; and although there are no mountains within the State that rise to the summer altitude of congelation, the vegetation of their summits partakes of an Alpine character, and they are visited with frosts every month, and almost every week in the year.

A vicinity to lakes, or bodies of water, is found to exert an equalizing influence upon the temperature; as of 22 stations, at which the mean annual range is below that of the State, all but one are in the vicinity of lakes or large rivers.

The temperature of the months, is observed to increase from the first half of February, to the last half of July; from which period it regularly returns to its minimum in February, as shown in the foregoing table. To this rule there are no exceptions, unless in those stations at which the records were kept but a short time, in which the results may be influenced by the deviations of particular years. The mean of the second half of April, and of October, in the general aggregate, and at most of the stations, differs but little from the annual mean. If the temperature of the several months be represented by a curve, as shown in the accompanying diagrams, in which the relative distance from the axis, or base line, indicates the degree of temperature; the results of a few years will seldom fail to produce much regularity of form, and the effect of long continued observation would be, to correct the irregularities arising from the disturbing causes or peculiarities of particular seasons.

There is probably no station in the State, at which the temperature and other data, obtainable from mean results, are better known than Albany; as there are preserved two years observation by Mr. SIMEON DE WITT, in 1795 and 1796; two years by Dr. J. EIGHTS, in 1813 and 1814; and six years by Dr. T. R. BECK, preceding the time when the series embraced in this volume commenced, making an aggregate of 34 years, besides that since taken.

The results of the preceding series, combined with that from 1826 to 1849, are contained in the following table :*

YEARS.	THERMOMETER.						WEATHER. [DAYS.]					WINDS. [DAYS.]								
	Mean of 3 obs.	Highest.	Lowest.	Greatest daily range.	Greatest mo. range.	Greatest an. range.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Prevailing winds.
1795.....	50,00	96	—10			106														
1796.....	48,00	94	—20			114														
1813.....	48,35	87	—12	22	44	89	195,5	169,5	57	17	2	25	16,5	2	43	120	3	84	71,5	S.
1814.....	49,84	86	—6	26	53	92	187	178	74	11	5	28,5	9	2	42	124,5	5	5,5	99	S.
1820.....	48,98	100	—5	36	64	105	154,5	211,5	85	28	2	44	10	7,5	62,5	89	10	87,5	52,5	S.
1821.....	48,09	93	—14	28	62	107	180,5	184,5	83	40	3	33,5	8,5	6,5	58,5	82,5	21	98,5	58	W.
1822.....	49,18	90	—14	30	52	104	189	176	91	21	1	38	15,5	5	63	107	9,5	78	49	S.
1823.....	47,31	94	—6	30	55	100	198,5	166,5	64	32	3	42	13	3	83	64,5	13	82	64,5	S.E.
1824.....	47,88	89	—3	30	60	92	187,5	178,5	82	19	1	31	17	3	100,5	48,5	39	51,5	75,5	S.E.
1825.....	50,46	98	—6	30	54	104	209	156	56	13	4	59	19	3	48	83,5	40	98	64,5	S.
1826 to 1849 inc. }	48,60	97	—23		72	120	203,2	162	90,4	22,2	8	48,8	23,7	7,1	19,3	116	25,5	36,4	88,2	S.W.
Mean,...	48,70						194,9	169,8	82,2	22,6	5,3	43,2	18,6	5,7	40,9	102,9	21,5	57,8	77,5	S.W.

The following table illustrates the variety of the seasons at Albany, previous to 1826 :

Years.	First thunder storm.	First fall of snow.	Coldest day. All at morning observations.	Degrees.	Warmest day. All at midday observations.	Degrees.
1795			February 27.....	—10	July 12.....	96
1796			December 24.....	—20	August 28.....	94
1813	March 18.....	October 19.....	January 27, February 3,	—2	September 13.....	87
1814	April 30.....	November 3.....	January 4, February 5,	—6	August 11.....	86
1820	April 11.....	October 25.....	February 2, February 5,	—5	July 9.....	100
1821	May 29.....	November 19.....	January 25.....	—14	July 31 and August 15,	93
1822	February 21, with hail,...	November 1.....	January 14.....	—14	July 1.....	90
1823		November 18.....	February 7.....	—6	July 10.....	94
1824		October 31.....	February 3.....	—3	June 29.....	89
1825	March 17.....	November 20.....	December 13.....	—6	June 12.....	98

One of the most striking results of the observations upon the winds is the correspondence between their direction and that of the valleys in which the stations are located. At most of those on the Hudson, northerly and southerly winds were recorded in the greatest number ; in the Mohawk valley, easterly and westerly or northwesterly winds ; and at nearly every other place, the prevailing direction of the neighboring hills and valleys was found to influence that of the surface current. This is shown in the diagrams accompanying this work, termed "wind roses," in which the longest diagonal of the figure is generally that of the local valleys of the station. As no record of the velocity of the winds was made, the general average for long periods would not probably vary far from the actual result, if estimated as uniform ; upon which assumption the *resultant* of each month and year has been computed, for the purpose of determining the absolute motion and direction of the winds, with reference to the locality where observed.†

If we attentively observe the general topographical features of the State of New-York, we shall notice that the prevailing direction of the hills and valleys is more or less northerly and southerly, the principal exception being the narrow and deep valley of the Mohawk. Lake Champlain may be said to lie in a continuation of the Hudson river valley, and the ridges

* This table is condensed from one communicated to the Albany Institute, and published in their Transactions, and in the Regents' Reports for 1833. The observations by Mr. De Witt, were taken in Dean-street ; those of Dr. Elights, in Steuben-street in 1813, and in North Pearl-street in 1814 ; and those by Dr. Beck, at the Academy. In 1813, 1814, the records were made at 7 A. M., 3 P. M. and 9 P. M. ; and those after 1820, at 7 A. M., 2 P. M. and 9 P. M.

† The problem to be determined in this case is similar to that for finding the position and distance, from her starting point, of a vessel that has sailed with a uniform velocity in different known directions. Let plate II, fig. 1, represent the track of such a vessel, that has sailed from the point *a*, north, 2,81 days ; northeast, 2,32 days ; east, 1,26 days ; southeast, 2,44 days ; south, 4,76 days ; southwest, 5,42 days ; west, 5,54 days, and northwest, 6,04 days ; the position, at the end of the time, would be at *b*, a point south 80° west from *a*, and at a distance of 9,16 day's voyage (or about 80 per cent of the whole distance sailed) from the place of beginning. The above numbers are the average number of days in a month which the wind has been observed to blow from the several points, and the direction *a b* is the *resultant* of the winds. It is in effect the same as if the wind had blown from a point S. 80° W. 9,16 days, and during the remaining part of the month it had been calm. In computing this, the *eight* directions are reduced to *four*, by subtracting opposite points ; these reduced to *two*, by means of a traverse table, and these two to *one*, by the aid of logarithms, in the ordinary method of finding the hypotenuse and angles of a right angled triangle, when the base and perpendicular are known. If the numbers representing the winds of any locality be drawn, as in fig. 2, it will be found that the diagram will be elongated in the direction of the neighboring hills and valleys, although the resultant may show a direction *directly across them*. Fig. 20 represents the relative prevalence of winds at Utica, in the valley of the Mohawk, and fig. 3 those of Kinderhook, on the Hudson.

which border both the lake and the river have the same general direction. The country north of the Mohawk is traversed by several ranges of mountains, some of which, towards their northern limit, rise to the height of nearly a mile, with a general northeasterly and southwesterly trend, and having the intervening valleys and chains of lakes elevated about 1,600 feet above tide. These ranges sink into plains a little north of the Canada line, and from their northern slopes they command an extensive view of the St. Lawrence river, and the level country along its banks, to a great distance.

The Catskill mountains have a general northwesterly course, and the highlands of Orange a northeasterly one, while the prevailing direction of the hills and valleys of the central and western portions of the State is north and south; this being the longest direction of most of the inland lakes, and the general course of the rivers and streams. The counties of the State bordering upon Pennsylvania are wholly or in part drained by the head waters of the Allegany, Susquehanna and Delaware rivers, between which occur ranges of hills constituting prolongations of the Allegany mountains, having the prevailing direction of the latter.

After what has been remarked concerning the influence of local causes in giving direction to the wind, with the general fact that this influence should produce a prevalence of northerly and southerly winds, we still observe that at nearly every station there is a strong tendency to a direction from the west, *across* the hills and valleys, as shown by the resultants; and are led to the inference that there is a general and far-prevailing cause, which observations made elsewhere proves to extend throughout a considerable portion of the northern hemisphere, in which there is a strong and almost entire prevalence of westerly winds. In a valuable memoir upon the winds of the northern hemisphere, published by the Smithsonian Institute,* this zone of westerly winds is stated to be about $23\frac{1}{2}^{\circ}$ wide, entirely encircling the globe, and not coinciding with the parallels of latitude, but having its pole at about latitude 84° and longitude 105° W. from Greenwich. This zone embraces nearly the whole of the United States; and of 251 stations, all but 6 had the mean direction of the wind westerly, the rate of progress being commonly greater as the direction approached a west point. The average rate at all of the stations was 30 per cent, while at the exceptional ones it was but 18. So far as the results of this State extend they confirm this general statement.

Of the 62 stations embraced in the following pages, 34 have the mean direction of their winds south, and 28 north, of that of the whole State. Of these there are within

5 degrees of S. 80° W. 4 north and 10 south					
10	"	"	2	"	7 "
15	"	"	6	"	8 "
20	"	"	4	"	4 "
25	"	"	5	"	1 "
30	"	"	4	"	2 "
35	"	"	0	"	1 "
40	"	"	1	"	1 "
over 40	"	"	2	"	0 "

With a single exception, the mean directions are embraced within an arc of $111^{\circ} 11'$ from S. 34° W. to N. $34^{\circ} 49'$ W.

In reference to the relative prevalence of winds in different months it is to be observed that the winds are in general more northerly in the first half of the year, and more southerly in the other half, than the annual average; therein corresponding with observations made elsewhere within the United States, but the opposite to that noticed in Europe. This is attributed by Prof. Coffin, in the memoir above cited, to the fact that, during the winter, the Atlantic Ocean is warmer than the adjacent continents, and that, necessarily, there must be a tendency of the colder air from the land to the sea; while in the opposite season, the land being warmer, the direction of the winds is reversed; thus giving to them of our latitude the character of *monsoons*, although in a slight degree, compared with that of the Indian Ocean, where, from peculiar

* "Winds of the Northern Hemisphere, by James H. Coffin, A. M., Professor of Mathematics and Natural Philosophy in Lafayette College, Easton, Pa," Washington, 1853. Smithsonian Contributions to Knowledge: Vol. VI., Part V.

circumstances, they are strongly characterized, and return with much regularity. The winds of July are, in general, nearly coincident in direction with the annual mean.

The aspect of sky, as observed throughout the State for a quarter of a century, indicates a prevalence of clear over cloudy, in the proportion of $15\frac{1}{2}$ to $14\frac{3}{4}$, and a progressive increase of serene sky from December to July, from which it declines to the following December.* The number of cloudy days exceeds those that are clear, at 27 of the 62 stations. At Clinton academy, near the east end of Long Island, the greatest amount of clear sky is recorded, and at Springville, near Lake Erie, the least; the extremes differing about 28 per cent of the whole time. So far as a generalization can be applied, those stations adjacent to lakes, and those exceeding 800 feet in altitude above tide, have an excess of cloudy days. The relative amount of clear and cloudy sky in the several months, is shown on page 462, and by fig. 28, in which the shaded portion bears the same proportion to the whole area of the figure, as the number of cloudy days, to the whole number of days in a year. The months of March and October have a mean approaching that of the whole year, the relative amount of serene sky being greater in summer, and of cloudiness in winter. As no scale of cloudiness was adopted in these observations, they do not show how far the formation of cloud is influenced by the direction of the wind, by temperature, barometer pressure or hygrometric conditions. These must remain to reward the future comparison of simultaneous observations over an extended district. It is commonly noticed in this State, that continued north and northwest winds bring a clear sky and low temperature, while southerly and easterly winds almost invariably bring clouds and rain, especially if they continue with violence during a few hours.

Easterly winds in North America, bear the same relation to rains, that westerly winds do in Europe, for in each case the humid air from the Atlantic is brought over the continent, where (upon cooling) it must precipitate its moisture. With us, northeasterly storms are proverbial for their inclemency, while northerly and northwesterly winds (bringing atmosphere from which the moisture has been previously condensed,) have a chilling, but not a rainy character.

Observations upon the *rain gage*, indicate that the maritime region of the State, and the valleys of the Hudson, Mohawk and Susquehanna, receive more rain than other sections; that the least rain falls in the valley of the St. Lawrence, and that the rains of the western part of the State, and the region of the great lakes, are below the general average. The annual mean for the whole period was 34.90 inches, being at 29 stations greater, and at 30 stations less, than this average. The greatest mean depth reported, was at New-York (46.26), and the least at Lewiston (22.23); the annual mean being less than 28 inches at Lewiston, Buffalo, Gouverneur, Monroe, Ogdensburgh and Potsdam, while it was 40 inches and upwards at Albany, Bridgewater, Cambridge, Cherry Valley, Delaware, Jamaica, New-York, North Salem, Oyster Bay, Schenectady and Utica.

The depth of rain falling in the different seasons is found to be greatest in summer and autumn, while it is least in winter and spring, thus affording a harmonious coincidence between the prevalence of ocean winds, as above stated, and depth of rain, and between land winds and drouth. The least depth of rain (including snow), falls in February, and the greatest in June; the quantity falling in August being nearly equal to the annual mean. From May to November it is greater, and during the remainder of the year it is less, than the general average. The curve drawn in fig. 29 exhibits the relative quantity of rain falling in the different months, and a comparative view of several interesting facts in connection with this subject. The quantity of rain falling in different years is found to vary considerably, as shown by a comparison of the annual summaries (p. 466 - 471), which were prepared for the purpose of showing the distinguishing features of the several seasons, and the extent to which the general result might have been affected by any peculiarities of individual years.

A comparison of this table, shows that the temperature of 1829, 1835, 1836, 1837, 1838, 1839, 1841, 1842 and 1843 was below the general average, while that of the other years was above. In the years 1826, 1829, 1834, 1835, 1836, 1838, 1839, 1841, 1844, 1845, 1846 and 1849, the quantity of rain was below the general average, while in all the other years it was above, being greatest in 1850 and least in 1834. The year 1830 was characterized by drouth in August, September

* The relative amount of clear sky, is greater with us than in Europe, from the reason, that their westerly winds are from the ocean, while ours are from the continent.

and October, followed by heavy rains, and unusual mildness of temperature in November and December, which occasioned vegetation to start up with the vigor of spring growth. In many places buds put forth, and trees blossomed in November. At Flatbush a second crop of pears attained half size; and peas and beans grew to their full size. At Potsdam, December 4th, marigolds were in full bloom, and thrifty mustard plants were seen six inches high.

In the month of August, 1831, an extraordinary atmospheric condition was noticed both in Europe and America. At many places in the former, an unusual brightness appeared in the west after sunset, enabling persons to read long after the usual hour, and the sun at times appeared shorn of its beams, as if by a scarcely perceptible vapor, giving it a violet tinge.

At Canajoharie on the 4th, the sun at 5 P. M., was endurable to the naked eye and presented a pale violet hue; and at Albany from the 12th to the end of the month, every evening after sunset, the western sky appeared tinged with a deep red.

On one afternoon, between the 12th and the 17th, the sun's disc was pale and silvery like the full moon and slightly tinged with green, and its light so diminished that the eye could rest upon it without pain. Similar conditions were described to the west and south.

On the morning of the 13th of November, 1833, a most extraordinary meteoric shower was observed, not only throughout the State, but over a great part of North America and at sea. The details of this, embracing all the observations reported by the academies of this State, have been often published in scientific journals and text books, to which the reader is referred for a particular description.

The year 1834, was noted for the early budding and blossoming of trees, followed by frosts and snow in May, proving destructive to fruit and destroying in the northern part of the State, hundreds of orchards. During the previous winter the snow had been deep and the ground had not frozen.

The relative forwardness of the seasons may be inferred from the times of the opening and closing of canals, lakes and rivers. The following table gives the date of the beginning and end of navigation on the Hudson, at Albany, during a long period:

River closed or obstructed by ice.	River open or free from ice.	Days closed.	River closed or obstructed by ice.	River open or free from ice.	Days closed.
February 3, 1790	* March 23, 1786		December 24, 1823	March 24, 1823	90
December 8, 1790	* March 27, 1790	52	December 16, 1823	March 3, 1824	78
December 8, 1791	* March 17, 1791	99	January 5, 1825	March 6, 1825	60
December 12, 1792			December 13, 1825	* February 26, 1826	75
December 26, 1793	* March 6, 1793	81	December 24, 1826	* March 20, 1827	86
January 12, 1795	* March 17, 1794	81	November 25, 1827	* February 8, 1828	50
January 23, 1796			* December 23, 1828	* April 1, 1829	100
November 28, 1796			* January 11, 1830	* March 15, 1830	63
November 26, 1797			* December 23, 1830	* March 15, 1831	82
November 23, 1798			* December 5, 1831	* March 25, 1832	111
January 6, 1800			* December 21, 1832	* March 21, 1833	80
January 3, 1801			* December 13, 1833	* February 21, 1834	73
February 3, 1802	February 28, 1801	56	* December 15, 1834	* March 25, 1835	100
December 16, 1802			* November 30, 1835	* April 4, 1836	125
January 12, 1804	April 6, 1804	84	* December 7, 1836	* March 28, 1837	111
December 13, 1804			* December 13, 1837	* March 19, 1838	94
January 9, 1806	* February 20, 1806	42	* November 25, 1838	* March 21, 1839	116
December 11, 1806	* April 8, 1807	121	* December 18, 1839	* February 21, 1840	65
January 4, 1808	* March 10, 1808	65	* December 5, 1840	* March 24, 1841	109
December 9, 1809			* December 19, 1841	* February 4, 1842	47
January 19, 1810			* November 29, 1842	* April 13, 1843	136
December 14, 1810			* December 9, 1843	* March 14, 1844	95
December 20, 1811			* December 11, 1844	* February 24, 1845	74
December 21, 1812			* December 4, 1845	* March 15, 1846	100
December 22, 1813	* March 12, 1813	83	* December 15, 1846	* April 6, 1847	112
December 10, 1814			* December 24, 1847	* March 22, 1848	89
December 2, 1815			* December 27, 1848	* March 19, 1849	82
December 16, 1816			* December 25, 1849	* March 9, 1850	73
December 7, 1817	March 25, 1818	108	* December 17, 1850	* February 25, 1851	69
December 14, 1818	April 3, 1819	110	* December 13, 1851	* March 28, 1852	105
December 13, 1819	March 25, 1820	102	* December 22, 1852†	* March 21, 1853	91
November 13, 1820	March 15, 1821	123	* December 21, 1853	* March 17, 1854	87
December 13, 1821	March 15, 1822	92	* December 8, 1854	* March 20, 1855	102

* The dates thus marked are from authentic records or personal observation.

† Opened again on the 26th, and remained open to the close of the year.

The time of the beginning and end of navigation on the Erie canal, and of the opening of navigation on Lake Erie, at Buffalo, since 1824, is given in the following table :

COMMENCEMENT AND CLOSE OF NAVIGATION OF THE ERIE CANAL.			No. days of navigation.	OPENING OF THE LAKE.
Canal open.	Canal closed.			
April 30, 1824	December 4, 1824		219	
April 12, 1825	December 5, 1825		238	
April 20, 1826	December 18, 1826		243	
April 22, 1827	December 18, 1827		241	April 21, 1827
March 27, 1828	December 20, 1828		269	April 1, 1828
May 2, 1829	December 17, 1829		230	May 10, 1829
April 20, 1830	December 17, 1830		242	May 5, 1830
April 16, 1831	December 1, 1831		230	May 8, 1831
April 25, 1832	December 21, 1832		241	April 27, 1832
April 19, 1833	December 12, 1833		238	April 23, 1833
April 17, 1834	December 12, 1834		240	April 6, 1834
April 15, 1835	November 30, 1835		230	May 8, 1835
April 25, 1836	November 26, 1836		216	April 27, 1836
April 20, 1837	December 9, 1837		234	May 16, 1837
April 12, 1838	November 25, 1838		228	March 31, 1838
April 20, 1839	December 16, 1839		241	April 11, 1839
April 20, 1840	December 3, 1840		228	April 27, 1840
April 24, 1841	November 30, 1841		221	April 14, 1841
April 20, 1842	November 28, 1842		222	March 7, 1842
May 1, 1843	November 30, 1843		214	May 6, 1843
April 18, 1844	November 26, 1844		222	March 14, 1844
April 15, 1845	November 23, 1845		228	April 3, 1845
April 16, 1846	November 25, 1846		224	April 11, 1846
May 1, 1847	November 30, 1847		214	April 23, 1847
May 1, 1848	December 9, 1848		223	April 9, 1848
May 1, 1849	December 5, 1849		219	March 25, 1849
April 22, 1850	December 11, 1850		234	March 25, 1850
April 15, 1851	December 5, 1851		235	April 2, 1851
April 20, 1852	December 16, 1852		239	April 20, 1852
April 20, 1853	December 20, 1853		245	April 14, 1853
May 1, 1854	December 3, 1854		217	April 29, 1854

There has been observed in the great lakes, an alternation of high and low water, extending through an indefinite term of years, and probably dependent upon the variable supply of rain which these lakes receive. The range extends through about five feet, and on Lake Erie, was observed highest in 1838, and lowest in 1819. At the east end of Lake Ontario, low water was observed, in 1803, 1804; 1808 to 1811; 1822 to 1828; and 1844 to 1850. High water was noticed in 1798; 1805 to 1807; 1812 to 1819; 1829 to 1831; 1837 to 1839; 1852, 1853. Charlevoix in 1721, noticed the changes of level in the surface of this lake. Long prevailing gales of west wind, cause a rise of several feet in the great lakes, as occurred at Buffalo, October 18, 1844, doing immense damage to property and destroying many lives.

The annual reports of the Regents, contain occasional records of phenomena which possess much interest from their unusual character, being such as are noticed and remembered by the most casual observer; such as destructive storms and tornadoes, unusual atmospheric refractions, dark days from dense clouds and smoke, water spouts, slight shocks of earthquakes, meteors of uncommon brilliancy and number, rain water covered with pollen dust, unusual radiations at sunset and physical phenomena of similar character, of which the limits of this volume do not admit the details.

The most common atmospheric refraction is noticed in distant objects seen across sheets of water, in which they appear raised above their proper places, and at distances beyond the ordinary horizon of the observer. Such refractions are of frequent occurrence upon Lake Ontario and elsewhere, in which the distant object appears elevated a little distance into the air, the sky appearing below as well as above it. These illusions commonly appear in warm days and clear weather. Water spouts have been repeatedly seen upon this lake, and on one occasion one was noticed, which upon reaching the shore, became a tornado, uprooting trees, and leveling whatever came within its track.

One of the most remarkable tornadoes on record, traversed the northern part of the State, September 20th, 1845, originating in Jefferson county, and crossing St. Lawrence, Franklin and Clinton counties, Lake Champlain, and a part of Vermont. The greater part of its course was through the forest, and its track was marked by prostrate and broken

trees, over a breadth of from forty to eighty rods. Many buildings were leveled, but no lives were lost. On the same day that this tornado occurred, a remarkable ebb and flow of the waters of Lake Ontario was noticed on the north shore, which was attributed to an earthquake. Other tornadoes were observed; in Clinton county, June 11, and at Cayuga, July 20, 1831; at Utica, August 14, 1834; at Kinderhook, June 19, 1835; at Redhook, June 3, 1836; and at other places.

Earthquake shocks were noticed; at Johnstown and vicinity, January 16th, at Potsdam, May 10, and at Malone, May 11, 1840; at Ellisburgh, September 28, 1842; at Rochester and Millville, September 19, and at Batavia, October 22, 1844; at North Salem, February 21, and October 26, 1845. The latter was noticed on Long Island in many places. At Mount Pleasant, September 3, and at Jamaica, Montgomery, New-York and North Salem, September 8, 1848; and in Jefferson and Lewis counties, March 12, 1853, earthquake shocks were sensibly felt. These convulsions were mostly limited to a rumbling, subterranean noise, and slight tremor of the earth's surface, but at times, the shocks have been sufficient to throw down chimneys and walls.

At Kinderhook, November 11, 1833, in the evening, phosphorescent lights were seen on the tops of sticks, posts and other pointed objects, some as large as the flame of a candle, having a dim white light pointing upwards. The atmosphere appeared unusually red.

The records of periodical phenomena, including the progress of vegetation, flight of birds, &c., as published in the annual reports of the Regents, embody a vast amount of useful data for reference, but are too varied and deficient for generalization until extended by future observation. In general they indicate the approach of spring and autumn about three weeks earlier on Long Island than in the northern part of the State.

Previous to May, 1841, the Hon. GIDEON HAWLEY, as secretary of the Board of Regents, had the general direction of the system of observations contained in the following pages, and subsequent to that period, Dr. T. ROMEYN BECK acted in the same capacity. To these gentlemen, and to the Board of Regents generally, is the public indebted for the care and general accuracy with which the system of observations embodied in the following pages were conducted.

F. B. H.

SUMMARY OF METEOROLOGICAL OBSERVATIONS,

MADE AT SUNDRY ACADEMIES IN THE STATE OF NEW-YORK, UNDER THE DIRECTION OF THE REGENTS OF THE UNIVERSITY,
FROM 1825 TO 1850 INCLUSIVE.

The following list embraces the names of the institutions at which these observations were made, their location, number of entire years during which they were complete, and the number in which the temperature, direction of winds, aspect of sky and depth of rain were recorded.

[In the following table, T. represents TEMPERATURE; W., WIND; S., ASPECT OF SKY; and R., RAIN GAGE.]

NAMES OF ACADEMIES.	WHERE LOCATED.	YEARS REPORTED.					YEARS DURING WHICH RECORDS WERE KEPT.
		Entire.	Temper- ature.	Winds.	Aspect of Sky.	Rain gage.	
Albany Academy,.....	Albany, Albany Co.,.....	24	24	24	24	24	1826 to 1849 inclusive.
Amenia Seminary,.....	Amenia, Dutchess Co.,	0	1	1	1	0	1849 (ex. R.)
Auburn Academy,.....	Auburn, Cayuga Co.,	22	22	22	22	22	1827, '8, '9, 1830, 1832 to 1849 inclusive.
Bridgewater Academy,.....	Bridgewater, Oneida Co.,.....	4	4	4	4	4	1833, '4, '5 '7.
Buffalo Lit' and Scient' Academy,	Buffalo, Erie Co.,.....	1	2	2	2	1	1831 (ex. R.); 1832. [(ex. R.)
Cambridge Washington Academy,	Cambridge, Washington Co.,.....	13	14	14	14	13	1827, '8, '9, 1830 to 1839 inclusive, 1841
Canajoharie Academy,	Canajoharie, Montgomery Co.,...	0	3	2	2	0	1830 (T.); 1833 (ex. R.); 1835 (ex. R.)
Canandaigua Academy,.....	Canandaigua, Ontario Co.,.....	10	10	10	10	10	1829 to 1838 inclusive.
Cayuga Academy,.....	Ledyard (Aurora), Cayuga Co.,...	7	13	13	13	7	1830, '1, '2, '4; 1838 (ex. R.); 1840 (ex. R.); '2 (ex. R.); '3 (ex. R.); '4, '5 (ex. R.); 1846 (ex. R.); 1850.
Cherry Valley Academy,	Cherry Valley, Otsego Co.,	14	15	15	15	14	1827 to 1831 inclusive; 1832 (ex. R.); 1833, '4, '5, '6; 1841 to 1845 inclusive.
Clinton Academy,	East Hampton, Suffolk Co.,	16	17	17	17	16	1827 to 1842 inclusive; 1843 (ex. R.)
Cortland Academy,.....	Homer, Cortland Co.,	0	18	18	18	0	(R. not recorded) 1832, '3, '5, '6, '7, '8, '9; 1840 to 1850 inclusive.
Delaware Academy,	Delhi, Delaware Co.,	2	2	2	2	2	1828, 1837.
Dutchess County Academy,.....	Poughkeepsie, Dutchess Co.,	14	16	16	16	14	1829 (ex. R.); 1830, '1, '2, '3, '4 (ex. R.); '5, '6; 1841 to 1847 inclusive, 1849.
Erasmus Hall,	Flatbush, Kings Co.,	24	24	24	24	24	1826 to 1849 inclusive.
Fairfield Academy,	Fairfield, Herkimer Co.,.....	18	19	19	19	18	1827, '8, 1831, '2, '3 (ex. R.); 1835 to 1845 inclusive; 1847, '8, '9.
Farmers' Hall,	Goshen, Orange Co.,.....	8	11	11	11	8	1835, '8, '9, 1840, '1 (ex. R.); '2, '4 (ex. R.); '5 (ex. R.); '6, '7, '9.
Franklin Academy,.....	Malone, Franklin Co.,.....	3	3	3	3	3	1839, 1840, '2. [R.]
Franklin Academy,.....	Prattsburgh, Steuben Co.,.....	9	10	10	10	9	1829, 1830, '9, 1840, '1, '2, '3, '4, '5, '6 (ex.
Fredonia Academy,.....	Pomfret, Chautauque Co.,.....	16	18	18	18	16	1830, '1, '2, '4 (ex. R.); 1835 to 1840 inclu- sive; 1841 (ex. R.); 1842 to '8 inclusive.
Gaines Academy,.....	Gaines, Orleans Co.,.....	4	4	4	4	4	1839 to 1842 inclusive.
Gouverneur Wesleyan Seminary,	Gouverneur, St. Lawrence Co.,...	9	12	12	12	9	1831 (ex. R.); 1832 (ex. R.); 1833, '4, '5, '8, '9, 1841, '2, '3 (ex. R.); '4, '5.
Granville Academy,	Granville, Washington Co.,.....	14	14	14	14	14	1835, '6; 1838 to 1849 inclusive.
Greenville Academy,.....	Greenville, Greene Co.,.....	1	1	1	1	1	1826.
Hamilton Academy,	Hamilton, Madison Co.,.....	17	18	17	17	18	1827 (ex. W. & S.); 1828, '9, 1830, '1; 1832 (R.); 1833, '4, '5 (ex. R.); '6, '9, 1842 to '9 inclusive.
Hartwick Seminary,	Hartwick, Otsego Co.,.....	14	16	16	16	14	1826 to 1832 inclusive; 1835, '7, '9, 1845, '6, '7 (ex. R.); '8, '9 (ex. R.); 1850.
Hudson Academy,	Hudson, Columbia Co.,.....	17	17	17	17	17	1827, '8, '9, 1831, '2, '3, '4, '5, 1841 to 1849 inclusive.

LIST OF STATIONS REPORTED.

NAMES OF ACADEMIES.	WHERE LOCATED.	YEARS REPORTED.					YEARS DURING WHICH RECORDS WERE KEPT.
		Entire.	Temper- ature.	Winds.	Aspect of sky.	Rain gauge.	
Ithaca Academy,	Ithaca, Tompkins Co.,	13	17	16	16	13	1827 (T.); 1828, 1830, '3, '5 (ex. R.); '6 (ex. R.); '7, '8, '9; 1840 (ex. R.); '2, '3, '4, '5, '6, '7, '8.
Johnstown Academy,	Johnstown, Fulton Co.,	14	14	14	14	14	1828, '9, 1831, '2, '4, '5, '6, '7, '8, 1841, '2, '3, '4.
Kinderhook Academy,	Kinderhook, Columbia Co.,	17	17	17	17	17	1830 to 1846 inclusive.
Kingston Academy,	Kingston, Ulster Co.,	19	19	20	20	19	1829 to 1842 inclusive; 1843 (ex. T. & R.); 1845, '6, '7, '8, '9. [sive.
Lansingburgh Academy,	Lansingburgh, Rensselaer Co.,	20	20	20	20	20	1826 to 1837 inclusive; 1839 to 1846 inclu-
Lewiston High School Academy,	Lewiston, Niagara Co.,	12	17	18	18	13	1831 to 1845 inclusive; 1836 (ex. R.); 1837, 1839 (ex. T.); 1840, '1, '2; 1843 (ex. R.); '4 (ex. R.); 1845 (ex. R.); 1846, '7 (ex. R.); 1848, '9. [1840 to 1848 inclusive.
Lowville Academy,	Lowville, Lewis Co.,	18	19	19	19	18	1827 to 1833 inclusive; 1835 '7 (ex. R.); '9.
Mexico Academy,	Mexico, Oswego Co.,	11	11	11	11	11	1837, '8; 1840 to 1846 inclusive; 1848, '9.
Middlebury Academy,	Middlebury, Wyoming Co.,	17	19	18	18	17	1826 to 1835 inclusive; 1839 (ex. R.); 1840 to 1845 inclusive; 1846 (T.); 1848.
Millville Academy,	Millville, Orleans Co.,	6	8	8	8	6	1840 (ex. R.); 1841 (ex. R.); 1842 to 1847 inclusive.
Monroe Academy,	Henrietta, Monroe Co.,	2	3	3	3	2	1835, '6; 1839 (ex. R.).
Montgomery Academy,	Montgomery, Orange Co.,	13	13	13	13	13	1828 to 1838 inclusive; 1840, 1842.
Mount Pleasant Academy,	Mount Pleasant, Westchester Co., ..	12	12	12	12	12	1831, '2, '4, '5, '7, '8, '9, 1841, '1, '2, '3, '4.
Newburgh Academy,	Newburgh, Orange Co.,	17	18	18	18	17	1828, '9; 1832 to 1836; 1838, '9; 1840, '2, '3, '4, '5 (ex. R.); '6, '7, '8, '9.
New-York Ins' for Deaf and Dumb,	New-York City,	3	6	5	5	3	1844 (ex. R.); 1846, '7 (T.); '8 (ex. R.); '9, 1850.
North Salem Academy,	North Salem, Westchester Co., ...	18	19	19	19	18	1829 (ex. R.); 1830 to 1835 inclusive; 1838, 1840 to 1850 inclusive.
Ogdensburgh Academy,	Ogdensburgh, St. Lawrence Co., ..	1	1	1	1	1	1838. [sive; 1847 (T.); 1848, '9.
Oneida Conference Seminary,	Cazenovia, Madison Co.,	18	19	18	18	18	1830 to 1835 inclusive; 1837 to 1846 inclu-
Oneida Institute of Science and Ind	Whitestown, Oneida Co.,	7	7	7	7	7	1834 to 1840 inclusive.
Onondaga Academy,	Onondaga Hollow, Onondaga Co., ..	16	16	16	16	16	1826, '7, '8, '9, 1832, '3, '5, '6, '7, '8, '9, 1840, '1, '2, '3, '4. [sive; 4848.
Oxford Academy,	Oxford, Chenango Co.,	16	16	17	17	17	1829, 1830; '1, '2 (ex. T.); 1833 to 1844 inclu-
Oyster Bay Academy,	Oyster Bay, Queens Co.,	1	2	2	2	1	1834, 1837 (ex. R.)
Palmyra High School,	Palmyra, Wayne Co.,	1	1	1	1	1	1835.
Plattsburgh Academy,	Plattsburgh, Clinton Co.,	3	5	5	5	3	1841 (ex. R.); 1842 (ex. R.); 1847, '8, '9.
Pompey Academy,	Pompey, Onondaga Co.,	15	17	17	17	15	1826 (ex. R.); 1827, '8, '9, 1830; 1831 (ex. R.); '2, '3, '5, '6, '7, '8, '9, 1840, '1, '2, '3.
Redhook Academy,	Redhook, Dutchess Co.,	10	12	12	12	10	1830, '1, '2, '3; 1834 (ex. R.); '5 (ex. R.); 1836, '7, '9; 1840, '1, '2. [sive.
Rochester Collegiate Institute, ...	Rochester, Monroe Co.,	18	19	19	19	18	1830; 1833 (ex. R.); 1834 to 1850 inclu-
St. Lawrence Academy,	Potsdam, St. Lawrence Co.,	20	21	21	21	20	1828 to 1846 inclusive; 1847 (ex. R.); 1848.
Schenectady Academy,	Schenectady, Schenectady Co., ...	2	3	3	3	2	1829, 1836; 1837 (ex. R.)
Springville Academy,	Springville, Erie Co.,	0	7	7	8	2	1834 (ex. W.); 1835 (ex. T.); 1839 (ex. R.); 1842 (ex. R.); '3 (ex. R.); '7 (ex. R.); '9 (ex. R.); 1850 (ex. R.)
Syracuse Academy,	Syracuse, Onondaga Co.,	1	1	1	1	1	1843.
Union Hall,	Jamaica, Queens Co.,	25	25	25	25	25	1826 to 1850 inclusive.
Union Literary Society,	Ellisburgh (Belleville), Jefferson Co.,	9	9	9	9	9	1830, '1, '3, '4, '5, '6, 1842, '3, '4.
Utica Academy,	Utica, Oneida Co.,	19	22	22	22	19	1826 to 1836 inclusive; 1837 (ex. R.); 1838 (ex. R.); 1839 to 1845 inclusive; 1846 (ex. W. & S.); 1848 (ex. R.)
Washington Academy,	Salem, Washington Co.,	7	10	10	11	7	1828 (ex. R.); 1829 (ex. R.); 1830 (ex. W. & R.); 1838 (ex. T. & R.); 1840, '1, '3, '4, '5, '6, '7.
[Total number 62.]	Total,	682	773	770	772	687	

SUMMARY OF OBSERVATIONS AT ALBANY ACADEMY,

ALBANY, N. Y., DURING TWENTY-FOUR YEARS.

Latitude N. $42^{\circ} 31'$; Longitude W. $73^{\circ} 44'$ from Greenwich. Elevation above tide 130 feet. On the west side of the valley of the Hudson, and on the edge of a plain extending back to the valley of the Mohawk.

OBSERVERS.

From 1826 to 1841, inclusive, T. ROMEYN BECK, M. D., Principal.

" 1842 to 1847 " T. ROMEYN BECK, M. D., Principal, and Dr. TEN EYCK, Professor.

1848, T. ROMEYN BECK, M. D., Rev. WM. H. CAMPBELL, and Professors TEN EYCK and COOK.

1849, REV. WM. H. CAMPBELL, Principal, and GEORGE H. COOK, Professor of Mathematics.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	32,80	23,70	53	- 3,56	4				2	11	4	6,5	3,5	17	14	4	4		2,43
1827	19,89	14,92	42	-18,60	13			,5	1	4,5	1,5	7	3,5	15,5	15,5	2	10		5,40
1828	35,46	25,01	46	2,44	5	1			3	9	4,5	5,5	3	12	19	4	6		2,25
1829	19,70	27,24	48	-10,58	9,5				1	6,5		6	8	13	18	3	5	2	4,56
1830	30,22	18,90	45	- 8,53	3				,5	9,5	3	8	7	15	16	2	10	1	1,76
1831	25,70	16,34	55	-10,65	4				1,5	5	1,5	10	9	17,5	13,5	1	7	1	1,88
1832	25,40	23,31	50	- 8,58	6				1	13	2	5	4	16	15	2	7	1	4,21
1833	32,80	26,52	60	- 6,66	1	1			7	6	3,5	3	9,5	12	19	1	3	1	1,48
1834	21,53	21,06	44	- 3,47	2,5	,5				14,5	2	4,5	7	17,5	13,5	3	3	1	1,35
1835	9,18	33,93	49	-23,72	5,5				3	6,5	1,5	7,5	7	18	13	3	4	3	4,64
1836	29,42	16,91	39	-12,51	4,5				1,5	10,5	1,5	8	5	9	22	1	8		7,30
1837	14,99	17,58	39	-10,49	9	4,3	3,6		,3	2,3	3,3	,6	7,3	18	13		6		2,25
1838	35,42	27,51	54	- 3,57	2	2,5			,5	9	6	1,5	9,5	19	12	6	2	1	2,25
1839	28,03	18,73	55	-12,67	6	2,5	2	2,5	8,5	3,5	,5	5,5	14	17	3	5			2,17
1840	13,85	19,06	43	-23,66	4,5	6,5			1	3	7	2	7	16	15	2	7		2,16
1841	25,48	31,16	49	-12,61	5	2			1	14	2	,5	6,5	8	23	5	6	2	4,19
1842	25,64	31,38	50	- 4,54	3	2			1	14	1,5	,5	9	15,5	15,5	2	6	1	1,15
1843	29,69	30,13	53	-12,65	7,5	5,5			1	8,5		,5	8	12,5	18,5	5	4	1	2,13
1844	20,12	11,04	43	-12,55	3	11	1			4	,5	,5	11	17,5	13,5	3	6	2	1,89
1845	28,42	24,88	45	0,45	9	2	,5			8	1	1	9,5	11,5	16,5	7	5	1	3,93
1846	32,05	20,21	46	- 6,52	7,5	5,5				8,5	,5		9	13,5	17,5	5	6	2	3,03
1847	30,86	22,14	47	5,42	7	1,5	,5	1		8	2	1,5	9,5	11,5	16,5	2	1	7	2,54
1848	27,42	32,42	57	-15,72	2	3,5	,5			13,5			11	15,5	15,5	7	2	1	2,07
1849	15,98	25,69	46	-10,56	3,5	1	,5	,5		6,5	,5	5	13,5	17,5	13,5	5	2	1	,76
Mean.	25,42	23,28				5,29	2,17	,40	1,26	8,50	2,19	3,55	7,63	11,52	16,48	3,25	5,20	1,20	2,82
Total.						127	52	9,5	30	204	52,5	85	183	358,5	385,5	78	125	29	67,78

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	28,59	32,55	53	-12	65	3,5	,5		3	8,5	2,5	6	4	11	12	4	5	1	1,36
1827	22,15	32,83	48	-8	56	3			3	11	5	4	2	14	14	2	3	1	3,07
1828	35,04	35,45	55	18	37	3		1	2	11,5	2	6	3,5	15	14	6	4		2,53
1829	19,93	19,99	42	-5	47	3,5	2,5			4,5	1,5	6,5	9,5	17	11	1	5	1	2,26
1830	14,81	34,83	55	-12	67	,5			1,5	6,5	3	4,5	11,5	16,5	11,5	2	7		1,41
1831	19,62	25,88	44	-2	46	3			4	3	1,5	8,5	8	16,5	11,5	1	4	1	4,17
1832	25,24	21,01	44	-11	55	10,5	,5			8,5	,5	5,5	3,5	10,5	18,5	3	5	3	3,12
1833	19,08	25,03	47	-10	57	2,5			,5	5,5	2,5	6,5	10,5	16,5	11,5	2	4	2	2,56
1834	28,85	38,08	56	2	54	5				13		5	5	15	13	4	3		2,04
1835	15,83	27,56	46	-	450	3	1		1	8	2,5	6,5	6	14	14	2	7		1,79
1836	13,97	18,70	44	-16	60	1,3	5,3	,6	1,3		5	2	13,3	13,5	15,5	1	7	1	4,39
1837	22,49	24,41	46	-10	56	7,3	4,3	,6	,3	8,6	1,3	,6	4,6	12	16	2	8		2,77
1838	18,85	13,25	39	-6	45	2	5,5	,5	1	3	,5	1	14,5	18	10		6		2,20
1839	21,11	36,35	50	-5	55	2,5	3,5	1	2,5	9	4,5	1,5	3,5	10	18	4	4	4	1,57
1840	25,44	38,82	60	-6	66	1,5	2			13	1,5		8	14	15	9	1		2,44
1841	20,27	26,61	49	-5	54	3,5	2	,5		4	7,5	1,5	9	16,5	11,5		8	1	2,12
1842	35,01	29,29	56	5	51	3	1,5		,5	9	2,5	,5	11	12	16	8	1	2	3,21
1843	17,94	18,44	36	-14	50	2,5	2,5	1	1	6	,5	1	13,5	12	16	1	8	1	3,21
1844	21,88	27,59	48	-5	53	6	8	,5	,5	5	2,5	,5	6	15,5	13,5		7	2	1,61
1845	14,00	35,46	56	-7	63	6	1	2,5		6		1	11,5	17	11	5	4		2,94
1846	23,66	18,09	43	-11	54	6,5	6			5,5		1	9	17,5	10,5		7	2	3,72
1847	27,54	22,28	49	-6	55	7,5	8			6,5		6	9,5	18,5	18,5	1	8	2	3,80
1848	21,67	29,59	48	-3	51	6	7	,5		6,5		9	17,5	11,5	11,5		5	3	2,37
1849	19,58	22,06	46	-7	53	1,5	2,5	1		8	1	1	13	13	15		8	1	1,25
Mean.	22,19	27,26				4,08	2,68	,43	,91	7,10	2,00	2,98	8,14	14,33	13,72	2,42	5,37	1,17	2,58
Total.						98	64,5	10,5	22	170,5	48	71	195,5	344	329	58	129	28	61,91

MARCH.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	40,29	36,91	69	13	56	5,5			3	8	1,5	10,5	2,5	10	14	5	2	1	3,81
1827	33,99	40,95	72	7	65	5				12	1	8,5	1,5	21	10	5	2	1	2,38
1828	34,62	41,60	69	18	51	3,5	1	1	1	11	2	4	7,5	19,5	11,5	5	3		1,94
1829	32,74	33,11	62	13	49	4,5	2,5			6,5	2,5	11,5	3,5	14,5	16,5	2	3	1	2,78
1830	33,54	42,57	70	14	56	4,5	,5	,5	3	8,5	2	4,5	7,5	15,5	15,5	8	5	1	4,86
1831	39,75	42,46	66	18	48	4			2	13,5		8,5	3	16,5	14,5	9	2		2,38
1832	35,39	35,17	63	8	55	1	1,5			13,5	,5	7,5	7	20,5	10,5	5	2	2	2,59
1833	23,91	40,66	66	0	66	5			,5	11,5		9	5	22,5	8,5	3	5		1,62
1834	36,72	36,07	63	14	49	,5			2	14	1	9	4,5	16	15	4	5	1	1,60
1835	30,15	35,19	56	5	51	4,5				11	2	6	7,5	17,5	13,5	2	5		2,60
1836	23,31	30,87	52	1	51	3,6	4		,6	8,6	2,6	1,3	10	19	12	3	2		1,70
1837	26,06	34,98	52	-12	64	6,6	3,3	,3	,6	7,6	3,6	,6	8	17,5	13,5	6	3	2	3,47
1838	35,46	38,69	58	3	55	8,5	4,5	1,5	2,5	6,5		,5	7	17	14		6	3	2,09
1839	31,22	39,18	64	-2	66	9	2	1	1,5	7,5	2	,5	7,5	18,5	12,5	6	3	2	1,52
1840	34,92	37,56	65	7	58	3,5	4	1,5	2	7,5	2	1	9,5	13,5	17,5	6	6		3,99
1841	29,16	35,28	61	1	60	10,5	3	2,5	,5	2	4,5	,5	7,5	16	15	3	2	2	3,15
1842	39,26	39,78	70	11	56	4,5	3,5	,5	2	9,5	1	1,5	8,5	11,5	19,5	8	3	3	2,69
1843	23,05	27,55	47	2	45	2	3	1	1	3	1	1,5	18,5	16,5	14,5		8	1	7,37
1844	37,45	33,53	55	10	45	8,5	2,5	1		8	1	,5	9,5	11	17	9	4		2,82
1845	38,39	40,53	73	17	56	5,5		1,5		11,5	,5	1,5	10,5	15	16	6	4	1	3,75
1846	32,03	42,01	59	-6	65	7	2,5		,5	7	2	2	10	21,5	9,5	6			3,34
1847	28,45	32,25	56	8	48	6,5	4,5			7,5	1		11,5	19	12	3	4	3	4,39
1848	27,03	39,91	69	-1	70	5,5	4		,5	9,5	1		10,5	19,5	11,5	5	1	4	2,78
1849	33,14	40,67	64	15	49	3	1		5	4		7	11	15	16	5	1	1	2,86
Mean.	32,50	37,39				5,17	1,96	,50	1,13	8,71	1,59	4,09	7,85	16,96	14,01	4,75	3,37	1,33	3,02
Total.						124	47	12	27	209	38	98	189	107	330	114	81	32	72,48

OBSERVATIONS AT ALBANY ACADEMY.

5

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	12,58	48,50	83	19,64	3,5				4,5	6	3,5	7	5,5	16	10	6	3		1,77
1827	55,20	47,77	77	32,45	3,5		,5		1,5	15	3,5	3,5	2,5	18	12	8		1	4,66
1828	43,00	48,70	65	28,37	9,5			1	1	6	4	5	3,5	19	11	10		2	2,52
1829	43,82	52,38	80	30,50	2		,5	,5	,5	10,5	3	8	5	17	13	10		1	4,77
1830	51,71	60,32	88	31,57	3,5	2			1,5	9,5	1,5	1	11	19,5	10,5	7			2,37
1831	50,25	53,91	80	32,18	,5	2,5		,5	1,5	10	3,5	4,5	7	15	15	12	1		4,59
1832	42,96	46,91	79	18,61	2	3			3,5	6,5	1	3	11	17,5	12,5	9			2,90
1833	19,73	53,79	84	25,59	1,5	1,5			1	13,5	,5	4	8	20	10	7	1		1,33
1834	50,70	48,01	82	28,54	7		,5		,5	10,5	1,5	5	5	18	12	10	1		2,35
1835	46,11	42,39	70	22,48	4,5		,5		1,5	9,5	2,5	6	5,5	17	13	7	3	2	4,54
1836	37,36	48,06	72	17,55	7	3				7	7,3	1	4,6	16,5	13,5	6	3	1	2,30
1837	47,37	45,19	72	24,48	8,6	2				3,6	2	1,6	12	18,5	11,5	4	4		1,63
1838	39,72	42,13	68	21,47	3,5	2,5		1,5	1	4,5	2,5	3,5	11	17	13	7	2	2	1,53
1839	49,09	50,12	74	30,44	7	4,5		,5	1,5	9,5	,5	1	5,5	17	13	8		1	4,75
1840	15,35	56,23	85	24,61	2,5	2,5			,5	14	,5	1	9	20,5	9,5	8		1	5,23
1841	38,01	46,04	76	21,55	8,5	5			,5	5,5	2	1	7,5	11,5	18,5	12	2	1	3,75
1842	46,11	52,36	85	15,70	5	7		1,5	,5	6,5	1	2	6,5	17,5	12,5	14			4,90
1843	40,31	52,55	75	15,60	7,5	4		2,5	1	7			8	15,5	14,5	10		4	4,25
1844	53,13	55,91	84	9,75	4	3		2	,5	13,5	2,5	1	3,5	18,5	11,5	7			,92
1845	41,11	53,50	80	25,55	5,5					13	,5		11	16,5	13,5	11	2	1	2,38
1846	46,73	58,07	86	26,60	5,5	4		1	,5	10	,5	,5	8	20,5	9,5	6		1	,74
1847	12,10	46,45	80	6,74	2,5	3				12	1		11,5	18	12	5	1	2	2,79
1848	47,29	50,48	75	27,48	2	3,5		2		8		1	13,5	24	6	7	1	1	1,08
1849	43,59	44,66	67	24,43	3			,5	,5	8,5	1,5	5	11	19	11	4		2	,75
Mean.	45,60	50,18				4,58	2,29	,58	1,02	9,12	1,91	2,75	7,78	17,81	12,19	8,12	1,	,96	2,87
Total.						110	55	14	24,5	219,5	46,3	65,6	186,6	127,5	288,5	19,5	24	23	68,80
MAY.																			
1826	64,85	69,17	93	43,50	7		,5	,5	5,5	7	3	4	3,5	19	4	4			,76
1827	53,61	65,80	84	37,47	10		1		1	11	3	2,5	2,5	22,5	8,5	7		1	3,43
1828	61,46	61,46	80	43,37	1,5			,5	4,5	10,5	2,5	6	5,5	18,5	12,5	11			4,48
1829	58,32	70,58	92	39,53	2,5	1			5,5	11	2	5,5	3,5	24,5	6,5	7			2,68
1830	60,33	58,21	87	30,57	2		,5		3	12,5	2	2	9	21	10	10			4,63
1831	57,20	67,12	89	36,53	,5	1			1	15	2	4	7,5	17,5	13,5	12	1		2,88
1832	58,51	54,94	86	38,18	2	3			2,5	10	2	2,5	9	17,5	13,5	8			2,69
1833	60,42	66,06	82	36,46	2		,5		6	11		6	5,5	15,5	15,5	14			8,47
1834	49,29	70,00	88	28,60	3,5		,5		,5	17,5	4,5	,5	4	16,5	14,5	6	1	1	3,70
1835	52,14	64,81	86	34,52	4	1			3	11	3	5,5	3,5	20,5	10,5	9			2,70
1836	58,09	61,15	86	34,52	3	3,3		2,6	3	9	3,3	3	3,6	21,5	9,5	12			3,86
1837	54,51	50,42	89	28,61	2,3	1		2	1	12,3	2,3	3,3	6,6	15,5	15,5	15			7,34
1838	51,91	61,93	89	33,56	3,5	2,5		2	1	11	2	5,5	3,5	15,5	15,5	18			7,45
1839	54,87	61,10	83	34,49	4	2,5		1	3	6	3,5	1,5	9,5	18,5	12,5	12			3,83
1840	54,15	69,66	92	39,53	3	4		4	2	11	2	,5	4,5	22	9	7			2,28
1841	48,60	65,83	87	31,56	4	3		,5	1,5	8,5	1,5	2,5	9,5	17,5	13,5	10		1	2,24
1842	52,15	58,51	79	37,42	3	1		1	1	10	4	4,5	6,5	13,5	17,5	15			1,44
1843	58,70	58,03	85	36,49	5	3,5		1	,5	11,5	2	1,5	6	21	10	8			2,07
1844	59,47	68,12	80	36,44	3	1,5		,5		16	1	3	6	14	17	16			5,94
1845	58,73	59,69	91	38,53	7			,5	,5	10,5	3	3	6,5	18,5	12,5	12		1	3,92
1846	62,90	63,70	87	40,47	3	2		,5	1,5	16,5	1	1	5,5	14,5	16,5	16			3,45
1847	59,93	63,00	83	40,43	6,5	3,5		1,5	1,5	11	,5	1,5	5	21	10	9			2,25
1848	58,98	67,08	83	39,44	3,5	3		1,5	1	13,5	,5		8	12,5	18,5	15			8,11
1849	51,39	62,80	79	35,44	1			,5	,5	10		3,5	15,5	16	15	13			5,40
Mean.	56,69	63,29				3,63	1,69	,84	2,11	11,38	2,14	3,04	6,17	18,10	12,90	11,09	,08	,17	4,00
Total.						87	40,5	20	50,5	273,5	51,5	73	148	434,5	301,5	266	2	4	96,00

OBSERVATIONS AT ALBANY ACADEMY.

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1826	71,98	68,93	88	58	30	1,5	1,5		8,5	8,5	6	1	3	8	10	12			6,22
1827	68,75	67,60	86	49	37	3	,5		,5	15	2	3	6	22	8	9			3,75
1828	70,22	77,86	91	52	39	2,5	,5	,5	3	18,5	2	2,5	,5	22	8	10			2,87
1829	70,30	65,95	87	54	33	2	1		3	12,5	3	6	2,5	21,5	8,5	11			3,90
1830	65,75	66,22	85	50	35	2	,5		1	14	2	3,5	7	17,5	12,5	15			7,58
1831	74,60	71,03	94	48	46	,5	,5		2,5	14,5	2,5	2,5	7	18	12	11			4,04
1832	65,54	71,41	91	49	42	2,5	,5		2	12	1	2,5	9,5	22	8	8			3,57
1833	63,85	61,70	86	42	44	1,5	1		2	13	5	4,5	3	20	10	9			2,36
1834	64,38	66,67	90	48	42	1,5			4	8,5	1	7	8	18	12	9			2,32
1835	70,63	63,94	89	50	39	1,5			3	14,5	1	3	7	19,5	10,5	11			6,48
1836	66,77	63,47	86	45	41	7	1,6	2	5,6	5	3	,6	5	16,5	13,5	14			5,67
1837	69,50	66,90	90	53	37	4,3		1,3	,6	12	3	2,3	6,3	17,5	12,5	13			5,06
1838	71,11	72,99	94	52	42	3	,5	,5	2	13,5	4	,5	6	20	10	13			7,60
1839	62,65	65,41	86	48	38	3,5	3	2	,5	8,5	1	1,5	10	15	15	14			5,12
1840	64,80	70,67	93	45	48	4	1,5	2	2	9,5	1	2,5	7,5	18,5	11,5	12			3,47
1841	72,06	72,60	94	56	38	4,5	1		1	13,5	2	1,5	6,5	18,5	11,5	8			2,10
1842	61,75	69,95	86	40	46	4		,5	1	15	3		6,5	19,5	10,5	13			4,44
1843	61,63	71,57	88	40	48	1,5	2	1,	1,5	13,5	,5	,5	9,5	20	10	13			5,54
1844	63,96	70,82	84	48	36	3	1,5	2,	13	13	1,5	,5	8,5	19,5	10,5	9			4,60
1845	71,89	67,13	92	50	42	2,5		1,	,5	15	,5	,5	10	23	7	13			3,42
1846	68,80	67,64	84	49	35	6	4	2,	,5	12		1	4,5	18,5	11,5	10			3,84
1847	64,05	69,60	88	49	39	3,5	1	,5		12	,5	1	11,5	17,5	12,5	13			5,06
1848	64,20	75,68	93	42	51	2	1	1		13	1,5		11,5	19,5	10,5	14			4,72
1849	62,99	72,27	92	49	43	,5	3		6,5	3	5,5	4	7,5	22,5	7,5	11			4,45
Mean.	67,17	69,08				2,83	1,10	,68	2,17	12,04	2,19	2,17	6,83	18,92	11,08	11,46			4,51
Total.						68	26,5	16,5	52	289	52,5	52	164	454,5	253,5	275			108,18
JULY.																			
1826	74,78	72,85	91	53	33	3,5	1	,5	9,5	6	1	3,5	6	20	3	7			5,53
1827	75,28	71,31	88	60	28	3	,5		6	10	1,5	5	5	23,5	7,5	10			5,43
1828	69,36	72,86	93	56	37	1	1		1,5	16	2	7	2,5	19,5	11,5	17			5,40
1829	66,54	70,59	86	51	35	1	1	1	4	10	3	1,5	9,5	18,5	12,5	11			3,22
1830	69,93	77,80	97	56	41	2,5	1		5	10,5	4,5	1,5	6	22,5	8,5	11			2,37
1831	72,11	73,43	90	50	40	,5	1	,5		18,5	1,5	4,5	4,5	19,5	11,5	10			4,32
1832	71,65	70,91	91	56	35	1,5	2		8	9	2	5	3,5	16,5	14,5	12			4,28
1833	70,27	69,03	91	54	37	1			3,5	11,5	5	4	6	22,5	8,5	15			4,48
1834	76,83	74,40	96	56	40	1,5			8,5	6,5	3	7	4,5	23,5	7,5	10			5,25
1835	70,66	71,49	88	54	34	,5	1		3	15,5	4,5	4	2,5	18,5	12,5	12			5,39
1836	75,47	69,51	93	53	40	4,6	4,6	,6	1	10,3	1,6	3,6	4,3	21,5	9,5	8			2,43
1837	70,21	69,60	88	55	33	3,3	1	,6	1	11,3	2,6	1	10	21	10	13			4,38
1838	71,04	74,02	96	54	42	3,5	1,5		2	10,5	3,5	1	9	21,5	9,5	10			1,72
1839	69,33	75,43	92	55	37	3,5	,5	2,5	3	15,5	1	1	4	17,5	13,5	15			5,77
1840	73,99	74,31	96	50	46	4	1	3	1,5	11,5	2	1	7	23	8	12			3,40
1841	70,12	73,96	96	54	42	4,5	2	,5	,5	10	2,5	1	10	25	6	6			1,56
1842	71,87	73,45	91	54	37	6	1	1	1,5	15	2	,5	4	22	9	13			3,42
1843	70,15	71,45	93	56	37	4,5	3,5		,5	10,5	1	,5	10,5	20,5	10,5	14			4,42
1844	70,69	70,69	86	53	33	9,5	2,5	,5	15		1,5		7	21,5	9,5	11			3,29
1845	74,96	72,70	97	54	43	4	3	2,5		9,5		,5	11,5	23,5	7,5	10			2,51
1846	73,84	72,04	97	56	41	6,5	3,5		1	13,5		,5	6	21	10	18			5,58
1847	75,53	73,53	90	53	37	9,5	2	1	,5	16		2		23	8	11			5,47
1848	69,95	73,30	88	58	30	4	2	1	,5	15		,5	7,5	20,5	10,5	9			7,92
1849	71,48	72,92	93	50	43	6	1	2	2,5	12		3,5	4	27,5	3,5	6			,70
Mean.	71,92	72,56				3,52	1,58	,75	2,73	12,12	1,92	2,29	6,08	21,40	9,60	11,29			4,09
Total.						84,5	38	18	65,5	291	46	55	146	513,5	222,5	271			98,24

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	71,36	73,40	89	55	34	3	5,5	,5	4,5	3	1,5	5	8	16	6	8			2,46
1827	73,93	66,26	91	52	39	4,5	1	1,5	3	9,5	1,5	4,5	5,5	20,5	10,5	9			4,69
1828	72,56	73,28	96	53	43	,5	2	,5	2,5	11,5	1,5	8	4,5	26	5	4			,88
1829	71,27	66,68	89	46	43	,5	1		3,5	12,5	2	6	5,5	21,5	9,5	5			1,46
1830	71,79	69,24	87	52	35	2	1		5	6	2	5,5	9,5	25	6	6			1,55
1831	71,67	72,72	91	50	41	3,5	2		4	6	2,5	2	11	22	9	8			3,25
1832	73,45	64,99	90	46	44	1	2	,5	6	10,5	4	,5	6,5	17	14	12			7,51
1833	68,55	64,70	83	46	37	4,5	2		4,5	11	2	2	5	22	9	10			3,36
1834	75,06	64,64	94	47	47	,5	3,5		1	10	3	3,5	9,5	22	9	9			2,77
1835	68,64	67,16	87	49	38	2,5	,5		1	15,5	2	4	5,5	21,5	9,5	11			5,34
1836	65,16	63,95	84	46	38	3,3	2,6	3,6	2	9,6	1,6	2,6	5,3	21,5	9,5	7			2,25
1837	70,40	65,05	87	51	36	3	1,5	3	1,5	9,5	3,5	2	7	18,5	12,5	13			3,96
1838	72,76	68,28	90	50	40	1,5	2,5		1,5	8	4	4,5	9	23,5	7,5	8			4,91
1839	69,30	69,90	88	47	41	4,5	,5	1,5	1	9,5	2	3	9	20	11	8			1,24
1840	70,23	73,27	87	55	32	1,5	2	1,5	2	9,5	7,5		7	19	12	12			4,77
1841	74,16	71,24	91	52	39	5	4,5		2	5,5	6	2,5	5,5	20,5	10,5	10			4,27
1842	69,24	71,18	85	51	34	3,5	3,5	1,5	1,5	13	,5	1,5	6	14	17	13			4,15
1843	71,45	71,31	88	56	32	5,5	3,5		1,5	11	3	2	4,5	16	15	14			6,05
1844	70,76	68,26	86	52	34	6,5	1	1,5	,5	14,5	1,5	1	4,5	20	11	14			2,58
1845	79,92	73,25	90	55	35	5	4,5	1,5	3	11,5	,5		5	22,5	8,5	9			2,42
1846	75,35	69,71	94	49	45	6,5	2	1,5	,5	12	3,5	1,5	3,5	19	12	10			2,07
1847	73,02	69,04	84	55	29	6,5	1,5	1	1,5	10	4	2,5	4	22	9	12			1,94
1848	74,81	69,02	89	55	34	6	3	,5	1,5	12	4		4	24	7	5			3,79
1849	68,83	71,00	82	56	26	5	3	,5	,5	12,5	4,5	1,5	3,5	21,5	9,5	12			4,83
Mean.	71,61	69,06				3,59	2,35	,83	2,31	10,17	2,83	2,75	6,17	20,65	10,35	9,54			3,44
Total.						86	56,5	20	55,5	244	68	66	148	495,5	239,5	229			82,50

SEPTEMBER.

1826	69,97	59,89	84	44	40	6	3	,5	8	5	1,5	3,5	2,5	12	8	9			3,58
1827	67,70	57,00	83	42	41	6	3	,5	1	5	,5	5	9	18	12	7			5,67
1828	64,06	60,29	88	44	44	2	,5	1,5	1	11	3	2,5	8,5	16	14	11			8,08
1829	58,24	55,84	84	36	48		,5	,5	6,5	4	2,5	11,5	4,5	19	11	9			2,73
1830	64,14	59,51	84	35	49	3,5			3,5	8		6	9	20	10	6			,93
1831	66,35	60,93	86	43	43	,5	1		10,5	4	3	4,5	6,5	12	18	9			3,93
1832	60,65	64,52	86	42	44	,5	1		3,5	12	2	5,5	5,5	21,5	8,5	11			2,76
1833	59,58	60,75	78	41	37	2			2	10	5,5	6,5	4	19	11	10			3,14
1834	63,90	60,08	86	30	56	,5	,5		,5	16,5	4	4,5	3,5	16	14	7			2,34
1835	60,23	52,41	83	32	51	5	,5		,5	17,5		,5	6	19	11	4			1,28
1836	61,31	59,72	84	39	45	4,3	1,6	,3	1	11	4,3	2	5,3	8,5	21,5	14			3,49
1837	61,69	58,41	80	38	42	5,5	2	1	2	15	,5		4	18,5	11,5	5			1,95
1838	63,35	61,04	84	43	41	5,5	7	1	2	6	4,5	,5	3,5	20	10	7			4,46
1839	66,07	58,57	86	37	49	3,5	1,5	,5	2	12	2,5	3	5	17	13	8			2,75
1840	62,64	56,03	81	42	39	5,5	3,5	2,5	,5	7	3	2	6	15	15	10			5,76
1841	68,20	62,50	84	42	42	3,5	4	1	2	12	1,5		6	19	11	8			5,65
1842	64,75	53,11	85	34	51	7	4	,5		10	2		6,5	17	13	14			6,40
1843	64,29	62,32	86	38	48	4,5	2,5	1	2	9	1,5	2	7,5	18	12	6			2,19
1844	67,90	58,13	83	37	46	9	4	2	,5	8	1,5		5	21,5	8,5	6			2,20
1845	62,37	59,65	79	41	38	3,5	,5	1,5	1	11,5	1	1	10	18,5	11,5	15			3,87
1846	74,86	61,76	89	48	41	1,5	4,5	,5		16,5	,5	,5	6	24	6	9			2,22
1847	65,63	58,22	83	41	42	9	1,5	1	,5	8,5		,5	8	15,5	14,5	12			3,56
1848	63,62	53,95	83	34	49	4,5		,5		5,5	5	3	11,5	16,5	13,5	13			3,22
1849	62,22	57,35	75	42	33	5,5	,5		,5	13,5	2,5	3	4,5	21,5	8,5	5			1,06
Mean.	64,34	58,85				4,11	1,97	,69	2,12	9,92	2,19	2,81	6,17	17,65	12,35	8,96			3,47
Total.						98,5	47,5	16,5	51	238,5	52,5	67,5	14,8	423	297	215			83,22

OCTOBER.																				
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1826	57, 14	47, 84	74	30	44	4, 5			5, 5	6	2, 5	7	5, 5	18	6	7			2, 37	
1827	56, 33	47, 21	68	33	35	4	1		3, 5	7, 5	1, 5	7, 5	6	17	14	10			4, 65	
1828	52, 35	44, 66	73	23	50	2				12, 5	2	5, 5	9	22	9	6			1, 56	
1829	52, 33	50, 22	73	26	47	1, 5	, 5	, 5	9, 5	7, 5	, 5	4	7	21	10	5			2, 41	
1830	55, 24	49, 55	74	33	41	1	3, 5	1	6	5	4	4	6, 5	19	12	9			3, 15	
1831	52, 79	52, 43	76	29	47	1, 5	1		1	12	, 5	5, 5	9, 5	20	11	11			4, 82	
1832	54, 21	47, 22	69	27	42	, 5	2		4, 5	9, 5	, 5	3, 5	10, 5	17	14				4, 20	
1833	51, 99	43, 93	70	22	48	2, 5	1		2	10, 5	2, 5	6	6, 5	15	16	10		1	7, 50	
1834	51, 22	41, 30	71	26	45	1, 5	, 5		2	13, 5	2, 5	4	6	16	15	9		1	3, 77	
1835	48, 56	56, 35	75	30	45	4			1, 5	20	1, 5	2	2	19, 5	11, 5	6			2, 22	
1836	44, 99	39, 66	62	21	41	7, 3	2, 6	, 6	, 3	3, 6	5, 6	2	8, 6	15	16	9	1	1	3, 99	
1837	47, 19	47, 21	72	24	48	8, 5	3, 5		1, 5	8	2		7, 5	18, 5	12, 5	9	1		3, 59	
1838	52, 87	42, 46	75	23	52	2, 5	2		1	11	3, 5	2, 5	8, 5	15	16	11	2		3, 32	
1839	52, 83	50, 04	74	21	53	6	4, 5	2	1, 5	12	2, 5		2, 5	20	11	5			1, 35	
1840	53, 20	46, 47	74	25	49	3, 5	1, 5	2	, 5	8	5, 5		10	15, 5	15, 5	12		2	4, 81	
1841	48, 06	42, 62	67	24	43	8	2, 5	1	, 5	4, 5	3, 5	, 5	10, 5	16	15	11			1, 34	
1842	52, 22	45, 62	70	32	38	3, 5	2, 5	1, 5		11	, 5	1	10, 5	19	12	8			4, 22	
1843	51, 09	41, 71	70	30	40	7, 5	3	1		9	1	2	7, 5	16	15	9	1	2	5, 72	
1844	50, 90	47, 60	69	31	38	5	1, 5	3		10, 5		1	10	13	18	13	1		3, 61	
1845	59, 67	46, 89	72	25	47	1, 5	1, 5	1, 5	1, 5	16, 5	, 5	1	7	18, 5	12, 5	9	1		2, 56	
1846	56, 30	43, 44	80	24	56	5, 5	3		, 5	14, 5		2	5, 5	15	16	10		2	3, 53	
1847	52, 53	46, 47	68	21	47	5	1	2		11, 5	, 5	, 5	10, 5	21	10	8			3, 08	
1848	52, 52	49, 29	68	35	33	6	2, 5		1	7	1, 5	2	11	17	14	9			4, 31	
1849	48, 26	50, 09	67	33	34	5	2		, 5	15	, 5	1	7	18, 5	12, 5	13			8, 04	
Mean.	52, 28	46, 48				4, 09	1, 77	, 66	1, 88	10, 25	1, 89	2, 71	7, 74	17, 58	13, 42	8, 71	, 29	, 37	3, 78	
Total.						98	42, 5	16	45	246	45, 5	65	185, 5	422, 5	314, 5	209	7	9	90, 12	

NOVEMBER.																			
1826	42, 39	37, 37	58	24	34	2	, 5		5	7, 5	5	6	4	14	8	8	1		1, 56
1827	37, 01	31, 37	52	21	31	2	1, 5		1	5	4	10, 5	6	12, 5	17, 5	3	3	2	2, 76
1828	43, 43	36, 12	64	15	49	2		1	2	8, 5	2, 5	4	10	13	17	10	3	1	4, 91
1829	42, 32	38, 06	66	22	44	1, 5	1	, 5	1, 5	8, 5	2, 5	8	6, 5	12, 5	17, 5	7	1	1	3, 86
1830	49, 90	43, 45	69	34	35	4, 5	1, 5		1	6, 5	2	4, 5	10	22	8		4		7, 29
1831	42, 84	36, 12	56	21	35				1, 5	6, 5	5, 5	13, 5	3	15	15	5	1	2	1, 71
1832	41, 37	39, 92	59	22	37	2	, 5		2	13, 5	1, 5	4	6, 5	13, 5	16, 5	6	2	2	3, 28
1833	40, 94	32, 44	59	17	42	2, 5	, 5		, 5	15, 5	3, 5	3, 5	4	15	15	5	4	1	2, 43
1834	39, 85	34, 64	58	17	41	3				7, 5	, 5	10, 5	8, 5	13	17	6	1	1	1, 37
1835	44, 88	32, 62	63	8	55	3, 5	1, 5		1	12, 5	1	7, 5	3	14	16	3	1		2, 66
1836	39, 79	33, 54	62	16	46	6	2, 3	1	2, 3	2, 3	6	2, 6	7, 3	15, 5	14, 5	6	1		3, 31
1837	38, 94	38, 64	70	3	67	3, 5	3, 5		1, 5	7, 5	2	2	10	17, 5	12, 5	8	3		2, 14
1838	41, 20	28, 29	60	15	9	2	1, 5	, 5	1	6, 5	4, 5	, 5	13, 5	17, 5	12, 5	6	3		3, 55
1839	39, 20	32, 71	56	13	43	4, 5	2	1	1, 5	7	2	1, 5	10, 5	16	14	5	2	1	2, 95
1840	42, 65	34, 74	57	23	34	8	5, 5	2		2	2, 5	1, 5	8, 5	13, 5	16, 5	7	2	1	3, 13
1841	41, 61	32, 31	70	15	55	5	5, 5		, 5	5	, 5	1	12, 5	9	21	7	5	1	3, 34
1842	41, 20	30, 42	58	14	44	3, 5	4, 5	, 5		6	3, 5	2	10	12	18	4	3	3	4, 76
1843	32, 58	38, 58	60	18	42	3	2			9	2	1	13	11	19	5	2	3	3, 04
1844	42, 64	32, 58	53	10	43	5, 5	1, 5	1, 5		7, 5	2, 5	, 5	11	14	16	10	5		2, 47
1845	47, 21	39, 33	68	16	52	3, 5	1	1	, 5	11, 5	1	2	9, 5	11, 5	18, 5	11	4		4, 42
1846	50, 35	39, 12	64	23	41	9, 5	4	2		4, 5	1, 5	, 5	8	8, 5	21, 5	8	2	2	5, 37
1847	48, 29	39, 96	68	6	62	1, 5	1, 5	2, 5		10, 5	, 5	, 5	13	15	15	9	1	1	2, 19
1848	37, 89	38, 73	58	19	39	3, 5	2		, 5	10	2, 5	2	9, 5	14	16	3	3	1	2, 61
1849	48, 53	43, 82	62	27	35	1	5	, 5	3	4	5	1	10, 5	17, 5	12, 5	7			4, 51
Mean	42, 38	36, 03				3, 46	2, 05	, 58	1, 09	7, 71	2, 66	3, 79	8, 66	14, 04	15, 96	6, 21	2, 50	, 96	3, 33
Total.				83	49	14	26	185	64	91	208	337	375	149	60	23			80, 02

DECEMBER.																									
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]											
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.						
	First Half.	Second Half.																							
1826	34	26	23	88	52	—	6	58	2,5	,5		1,5	8	2	10,5	6	11	13	3	6		1,27			
1827	34	51	25	53	46		7	39	7,5	1		1,5	8,5	3	5	4,5	11	20	7	4		3,91			
1828	39	57	29	48	54		5	49	3			1	14	1,5	10	1,5	20,5	10,5	3			0,24			
1829	36	41	36	50	59		13	46	,5			12	3,5	5,5	9,5	15,5	15,5	8	2			2,44			
1830	35	81	31	90	49		6	43	1	1		,5	5,5	6	2	5	10	12	19	9	3	2	3,95		
1831	16	82	17	52	37		0	37	3			9	7,5	2,5	9	17	14	17	14	9			1,57		
1832	33	30	26	71	44		6	38	2,5	1		1	8	,5	8	10	11	20	4	6	1		3,34		
1833	29	45	27	93	42		8	34	14,5			3,5	2	6	5	10,5	20,5	1	4	2			1,86		
1834	31	15	20	33	48		—	8	56	1,5	1		,5	9,5	1,5	3	14	10,5	20,5	3	7		3,59		
1835	19	69	23	10	40		—	13	53	5		,5	11,5	1,5	4,5	8	14,5	16,5	3	6			1,19		
1836	31	37	21	03	45		—	2	47	2	4		,6	1,6	7,3	2	2,3	11	18	13	2	1	4	3,91	
1837	31	13	23	21	53		—	9	62	6,5	5,5		1	6	2	1	9	14,5	16,5	3	2			2,63	
1838	26	74	20	33	41		—	2	43	2	,5	1,5	10	6	2	9	13,5	17,5		8				,95	
1839	35	63	20	08	50		0	50	11	5		,5	3	1,5	,5	9,5	15	16	2	9	1		5,09		
1840	28	29	22	60	44		3	41	6,5	3		,5	6	3,5	,5	11	13,5	17,5	3	5				2,94	
1841	37	49	22	93	50		—	2	52	8,5	2		,5	10,5	2	1	6,5	9	22	7	6	2		4,14	
1842	26	93	22	03	43		—	5	48	6,5	3,5		6	,5	3	11,5	9	22	3	5	4			5,21	
1843	27	05	33	69	43		1	42	5,5	3		13,5	,5	1	7,5	7	24	1	8	3				2,36	
1844	30	66	28	02	50		5	45	4,5	2,5	2	,5	9	2	,5	10	10	21	5	4	3			3,04	
1845	21	22	24	12	39		—	11	50	8	4		,5	9,5		,5	8,5	15	16		7	3		3,33	
1846	27	54	28	27	48		4	44	3,5	5		7	2	,5	13	13,5	17,5	2	8	4				2,96	
1847	41	90	26	46	62		3	59	6	1,5	,5	14	1	,5	7,5	12	19	6	4	7				4,31	
1848	40	79	30	48	62		5	57	1,5	2		2,5	6	2	6	11	8	23	10	6	1			5,24	
1849	29	86	27	97	43		5	38	5	3,5	,5	1	8,5		2,5	10	8	23	5	6	3			2,11	
Mean.	31	15	29	75			4,92	2,09	,30	,79	8,61	2,04	3,42	8,84	12,49	18,29	3,75	5,25	1,66						2,98
Total.							118	50	7	19	206	549	82	212	5	299	5	437	5	90	126	40			71,58

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.							Rain gage, total fall.		
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.				
	First Half.	Second Half.																								
January, --	25,42	23,32	60	—23	83	5,29	2,17	,40	1,26	8,50	2,19	3,55	7,63	4	42	W	21	6,40	14,52	16,48	3,25	5,20	1,20	2,82	67,75	
February, --	22,19	27,26	60	—16	76	4,08	2,68	,43	,91	7,10	2,00	2,98	8,14	4	42	W	26	7,49	14,33	13,72	2,43	5,37	1,17	2,55	61,91	
March, ---	32,50	37,39	72	—12	84	5,17	1,96	,50	1,13	8,71	1,59	4,09	7,85	4	42	W	27	8,21	16,96	14,04	4,75	3,37	1,33	3,02	72,48	
April, ----	45,60	50,18	88	—9	97	4,68	2,29	,58	1,02	9,12	1,91	2,75	7,78	4	42	W	22	6,75	17,81	12,19	8,12	1,00	,96	2,87	68,80	
May, -----	56,69	63,29	93	—30	63	3,63	1,69	,84	2,11	11,38	2,14	3,04	6,17	4	42	W	56	16,18	18,10	12,90	11,09	,08	,17	4,00	96,10	
June, -----	67,17	69,08	94	—42	52	2,83	1,10	,68	2,17	12,04	2,19	2,17	6,08	4	42	W	43	13,01	18,92	11,08	11,46			4,51	108,18	
July, -----	71,92	72,56	97	—50	47	3,52	1,58	,75	2,73	12,12	1,92	2,29	6,08	4	42	W	26	7,97	21,40	9,60	11,29			4,09	98,24	
August, -----	71,61	69,06	96	—31	65	3,59	2,35	,83	2,31	10,17	2,88	2,75	6,17	4	42	W	29	8,89	20,65	10,35	9,54			3,44	82,50	
September, --	64,34	58,85	83	—30	58	4,11	1,97	,69	2,12	9,92	2,19	2,51	6,17	4	42	W	17	5,22	17,65	12,35	8,96			3,47	82,50	
October, ----	52,28	46,48	80	—21	59	4,09	1,77	,66	1,85	10,25	1,89	2,71	7,74	4	42	W	22	6,78	17,58	13,42	8,71	,29	,37	3,75	90,12	
November, ---	42,33	36,03	70	—8	67	3,46	2,05	,58	1,09	7,71	2,66	3,79	8,66	4	42	W	21	6,38	14,04	15,96	6,21	2,50	,96	3,33	80,02	
December, --	31,15	29,75	62	—13	75	4,92	2,09	,30	,79	8,61	2,04	3,42	8,84	4	42	W	30	9,03	12,49	18,29	3,75	5,25	1,66	2,98	71,58	
Mean, ----	48,60	48,60				4,11	1,98	,60	1,63	9,64	2,18	3,02	7,34	8	76	51	W	30	9,01	17,04	13,36	7,46	1,92	,63	3,40	81,74

Highest degree, July 10, 1846. - - - - - 97°
 Lowest degree, January 4, 1835, and January 17, 1840. - - - - - 23°
 Extreme range in 24 years. - - - - - 120°
 Greatest monthly range in March.
 Least monthly range in July.

Mean monthly range, 67½°
 Driest month, February.
 Wettest month, June.
 Total fall of rain and snow in 24 years. 81 feet 8.13 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. rain.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1826	28.25	30.57	38.60	45.54	67.01	70.45	78.66	72.38	64.93	52.49	39.88	29.07	51.07	93	-12	105	65	February 1.	May 16.		November 7.
1827	17.40	27.49	37.47	51.48	59.70	68.17	73.29	70.09	62.35	51.77	34.19	30.02	48.62	91	-18	109	65	January 21.	August 6.		November 12.
1828	30.24	35.24	39.61	45.85	61.46	74.04	71.11	72.92	62.17	48.50	39.77	35.42	51.36	96	2	94	51	January 22.	August 31.	October 15.	November 11.
1829	23.47	19.96	32.92	48.10	64.45	68.12	68.57	68.97	57.04	51.27	39.19	36.45	48.20	92	-10	102	58	January 8.	May 27.	September 9.	November 11.
1830	24.66	24.83	38.05	56.02	59.27	65.98	73.86	70.52	61.82	62.39	46.67	33.87	50.65	97	-12	109	67	February 6.	July 21.	September 18.	November 29.
1831	21.02	22.75	41.11	52.08	62.16	72.81	72.77	72.19	63.64	62.61	39.48	17.17	49.15	94	-10	104	65	January 21.	June 1.	October 23.	November 22.
1832	24.35	23.12	35.23	44.93	56.72	65.47	71.25	69.22	62.58	50.71	40.65	30.00	48.10	91	-11	102	61	January 27.	July 1.	October 12.	November 13.
1833	29.66	22.06	32.28	51.76	68.24	62.77	69.65	62.62	60.16	47.96	36.60	28.69	47.62	91	-10	101	66	February 1.	July 1.	September 30.	October 20.
1834	21.29	31.47	36.89	49.35	59.64	65.53	75.61	69.85	61.99	46.26	37.24	25.74	48.53	96	-8	104	60	December 15.	July 9.	September 30.	November 24.
1835	21.55	21.69	32.67	44.25	58.47	67.28	71.07	67.90	51.57	62.45	38.75	21.89	46.17	89	-23	112	72	December 16.	August 13.		November 23.
1836	23.16	16.38	27.04	42.11	59.62	65.12	72.49	64.55	60.51	42.32	36.66	26.20	44.73	93	-16	109	60	February 5.	July 5.		October 13.
1837	16.28	28.45	30.52	43.28	56.98	68.20	69.90	67.72	60.05	47.20	38.79	27.17	45.79	90	-12	102	67	March 12.	June 6.	October 5.	October 29.
1838	31.46	16.05	37.07	40.92	56.92	72.05	72.73	70.52	62.19	47.66	34.74	23.53	47.15	96	-6	102	59	February 1.	July 10.	October 8.	October 29.
1839	28.38	28.73	35.20	49.60	57.98	64.03	72.38	69.60	62.32	51.43	35.97	24.85	48.20	92	-12	104	67	January 24.	July 19.	October 5.	November 10.
1840	16.46	25.13	36.24	50.19	61.90	67.73	74.15	71.75	59.33	49.83	33.69	25.44	48.70	96	-23	119	66	January 17.	July 6.	October 10.	November 23.
1841	28.32	25.44	32.22	42.02	57.21	72.33	72.04	72.70	65.35	45.34	36.96	30.21	48.18	96	-12	108	61	January 4.	July 25.	October 25.	November 8.
1842	28.51	23.15	39.52	49.23	55.35	65.85	72.66	70.23	58.93	48.92	35.81	24.45	48.46	91	-14	107	70	December 24.	July 30.	September 23.	November 16.
1843	29.01	18.19	25.30	46.43	63.86	66.60	70.80	71.88	63.30	46.40	35.57	30.37	46.88	93	-12	96	79	January 14.	July 1.	September 13.	October 22.
1844	15.53	24.73	38.49	54.52	60.90	67.39	70.69	69.51	63.04	49.37	37.61	29.34	48.18	96	-12	98	75	January 28.	August 17.	October 21.	October 31.
1845	28.65	24.73	39.46	47.30	59.21	69.51	73.83	74.91	63.35	43.27	32.67	20.67	49.58	97	-11	108	63	December 12.	July 13.	October 16.	October 20.
1846	26.13	20.87	37.51	52.40	63.30	65.22	72.94	72.53	63.40	49.87	44.79	27.00	50.39	97	-11	108	65	February 26.	July 10.	October 19.	November 25.
1847	26.50	21.91	39.35	44.25	61.47	66.82	74.59	71.03	61.92	49.50	44.12	34.15	49.13	90	-6	96	74	February 24.	July 19.	October 25.	November 29.
1848	29.92	25.63	37.47	48.78	63.03	69.04	71.62	71.92	58.78	50.90	38.31	35.68	49.83	93	-15	107	72	January 11.	June 16.	September 27.	November 12.
1849	29.83	29.82	36.30	44.12	57.10	67.63	72.20	69.91	59.78	49.18	46.18	28.91	47.80	93	-10	103	56	January 11.	July 13.	October 2.	October 31.
Mean.	24.37	24.72	37.63	47.74	60.66	65.12	72.71	70.17	61.38	49.48	39.16	28.46	48.43								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]					
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Percent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	
1826	46.5	13	2	60.5	84.5	34	70.5	54	N 54° E	1° W	26	96.46	162	108	77	21	9
1827	64.5	10	12.5	23	114	31	66	54	N 67° 4 W		29	108.33	215.5	149.5	79	23	6
1828	35.5			22.5	140	29.5	66	59.5	N 46° 57 W		38	139.21	223	143	97	23	6
1829	29	11.5	3	35	106	26	80	74.5	N 62° 54 W		35	129.49	215.5	149.5	79	20	6
1830	30	12	2	36.5	102.5	28	50	104	N 75° 63 W		31	112.96	225.5	139.5	93	25	6
1831	21.5	9	1	29.5	117	31.5	70.5	85	N 59° 51 W		39	144.19	206.5	158.5	89	25	4
1832	32	17	1.5	34	126	17.5	52.5	86.5	N 57° 25 W		29	160.24	200.5	165.5	85	22	9
1833	42	6.5		24	132.5	29	62	60	N 55° 48 W		39	132.69	213.5	151.5	89	22	6
1834	28.5	7		20	141.5	24.5	64	79.5	N 54° 51 W		39	144.82	202	163	80	21	5
1835	48.5	6.5		18.5	153	23	57	63.5	N 45° 32 W		37	134.09	213.5	151.5	75	26	5
1836	54	35.3	12.8	20.3	84.3	44.3	31.3	83.6	N 63° 23 W		19	70.62	196	170	83	28	7
1837	68.6	32	12.6	11.3	104	28.3	15.3	92.3	N 67° 4 W		17	62.29	207.5	157.5	91	27	2
1838	39.5	33	9	15.5	99.5	41	23.5	104	N 57° 49 W		22	82.1	217.5	147.5	86	29	6
1839	55	32	15	21	108	26.5	15.5	82	N 57° 25 W		11	39.40	166.5	138.5	90	23	9
1840	51	37	18.5	12.5	102	38	12	95	N 75° 48 W		14	52.97	204	162	100	21	4
1841	70.5	36.5	6.5	10	95	35.5	13.5	97.5	N 60° 48 W		21	75.09	156.5	178.5	87	29	10
1842	52.5	34	8.5	9	125.5	22	17	90.5	N 57° 41 W		11	61.94	182.5	182.5	115	18	14
1843	56.5	33	8.5	10	111.5	13	13.5	114	N 59° 15 W		19	79.82	156	179	89	31	15
1844	62.5	40.5	17.5	2.5	124	18	9	92	N 59° 38 W		12	44.99	199	167	103	27	7
1845	61	17.5	14.5	7	184	8.5	12	110.5	N 63° 27 W		18	65.75	214	151	108	27	7
1846	68.5	46	7.5	5	127.5	11.5	11	88	N 51° 48 W		13	45.92	207	158	100	23	13
1847	71	31.5	10.5	5	127.5	11	8.5	100	N 63° 34 W		15	56.59	208	157	91	19	22
1848	47	33.5	7.5	7.5	119.5	18.5	14.5	118	N 77° 44 W		21	76.27	208.5	157.5	97	21	11
1849	40	23	5.5	21	105.5	21	8.5	111	N 88° 34 W		26	94.76	217.5	147.5	88	17	8
Mean.	48.79	28.09	7.13	19.33	116.04	25.46	36.89	88.20	N 74° 34 W		22	82.15	203.25	162	90.37	22.17	8
Total.	1171	563.5	172	461.5	2785	611	573.5	2114.5				4878	3733	2169	552	192	

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1826	2.43	1.36	2.81	1.77	1.76	6.22	5.53	2.46	8.58	2.37	1.56	1.27	33.12	May.	June.
1827	5.40	3.07	2.33	4.66	3.43	3.75	5.43	4.69	5.67	4.65	2.76	3.91	49.80	March.	September.
1828	2.25	2.53	1.94	2.52	4.48	3.47	5.40	7.74	8.08	1.56	4.91	3.4	37.66	December.	September.
1829	4.56	2.26	2.74	4.77	2.67	3.90	3.22	1.46	2.73	2.41	3.56	2.44	38.07	August.	September.
1830	1.76	1.41	4.76	2.37	4.63	7.58	2.37	1.55	3.93	3.15	7.29	3.95	41.35	August.	April.
1831	1.82	4.17	2.33	4.50	2.45	4.04	4.32	3.25	8.93	4.82	1.71	1.57	39.52	September.	June.
1832	4.21	2.12	2.59	2.90	3.69	3.57	4.24	7.51	2.76	4.29	3.24	3.34	44.45	December.	October.
1833	1.63	2.56	1.63	1.33	2.47	2.36	4.44	3.36	3.14	7.50	2.13	1.86	41.74	March.	August.
1834	1.35	1.04	1.60	2.35	2.70	2.32	5.25	2.77	2.41	3.77	1.37	3.59	32.45	April.	May.
1835	4.64	1.79	2.60	4.57	2.71	6.48	5.39	5.34	1.28	2.22	2.26	1.19	40.44	January.	July.
1836	7.30	4.39	1.70	2.30	2.56	5.67	2.43	2.25	3.49	3.99	3.31	3.91	44.60	June.	June.
1837	3.25	3.47	1.63	1.63	7.34	5.06	4.34	3.96	1.95	3.69	2.14	2.63	41.17	March.	January.
1838	2.15	2.77	2.00	1.53	7.45	1.60	1.72	4.91	4.46	3.82	3.55	.95	42.03	April.	May.
1839	2.17	1.57	1.52	4.75	3.33	5.12	5.77	1.24	1.75	1.35	2.95	6.09	33.11	December.	June.
1840	2.16	4.44	3.99	5.23	2.23	3.47	3.40	4.77	5.76	4.80	3.13	2.94	44.33	July.	September.
1841	4.19	3.15	3.15	3.15	2.10	1.56	4.27	5.05	1.84	3.34	4.18	4.18	37.93	January.	September.
1842	1.15	3.21	2.69	4.90	1.44	4.44	3.42	4.15	6.40	4.22	4.76	5.21	45.99	October.	September.
1843	2.13	3.21	2.37	4.25	2.07	5.54	4.42	6.05	2.19	5.72	3.04	2.36	45.35	January.	March.
1844	1.49	1.61	2.82	.92	5.94	4.60	3.29	2.58	2.23	3.61	2.47	3.04	35.00	May.	May.
1845	3.92	3.94	2.38	2.38	3.92	3.42	2.51	2.42	3.87	2.56	4.42	3.33	39.45	April.	November.
1846	3.03	3.72	3.34	.74	3.43	3.34	5.58	2.07	2.22	3.53	5.37	2.96	39.55	April.	July.
1847	2.54	3.80	4.39	2.79	2.25	5.06	5.47	1.91	3.56	3.08	2.19	4.31	41.33	August.	July.
1848	2.67	2.37	2.78	1.08	3.11	4.72	7.92	3.79	3.22	4.31	2.61	5.24	45.22	April.	May.
1849	.76	1.25	2.86	.75	6.40	4.45	.70	4.83	1.06	3.04	4.51	2.11	36.72	July.	October.
Mean.	2.91	2.62	3.02	2.88	4.04	4.50	4.09	3.44	3.47	3.76	3.30	2.93	40.93		
Total.	69.92	62.99	72.39	69.18	96.99	108.18	98.24	82.50	83.80	90.21	79.22	71.58	982.24		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1826	10	31	25	1	10	17	19	11	16	1	11	6	10	15	20	24	4	17	8	27	17	24	17	29
1827	28	21	28	12	26	4	11	25	27	1	16	1	12	25	6	16	3	30	9	31	3	26	15	23
1828	7	22	7	12	28	5	29	7	23	8	29	3	26	11	31	19	1	27	9	17	4	18	3	31
1829	17	3	7	5	29	16	20	4	27	10	5	30	22	3	8	26	1	9	25	22	18	13	7	4
1830	16	30	20	6	30	9	20	3	5	24	15	8	21	9	7	26	13	17	1	26	1	29	3	22
1831	4	21	16	7	23	17	18	12	31	9	2	23	19	11	21	28	10	30	17	28	11	31	24	22
1832	19	26	12	24	24	18	26	9	13	24	16	4	7	11	13	25	19	13	20	29	2	21	8	22
1833	5	19	19	1	21	5	29	15	18	4	30	10	1	29	5	29	20	13	17	31	8	5	5	13
1834	18	25	23	7	19	22	16	4	27	15	9	2	9	18	7	27	4	30	2	16	10	17	1	15
1835	26	4	22	4	16	3	9	18	19	9	10	21	13	1	12	31	6	30	21	26	4	30	26	16
1836	13	28	23	5	31	2	26	11	21	13	8	20	8	17	8	30	19	28	1	26	12	26	10	30
1837	30	14	1	18	28	3	29	1	31	1	30	17	1	24	2	31	10	20	2	30	21	27	1	22
1838	17	31	8	1	24	1	29	17	22	3	11	2	9	22	4	27	7	23	6	31	4	25	5	13
1839	26	24	27	10	27	4	24	13	26	4	10	5	19	5	22	29	7	30	9	20	15	21	8	31
1840	30	17	23	4	4	10	25	7	28	5	29	7	16	20	21	8	9	28	2	26	4	27	15	25
1841	7	4	28	12	26	17	26	11	24	2	29	19	25	3	3	25	3	30	31	25	1	30	4	22
1842	30	13	3	17	4	12	22	1	18	4	30	11	30	31	19	1	2	23	1	20	6	29	5	24
1843	8	4	26	17	28	23	26	3	14	2	27	1	1	30	31	6	21	27	2	31	24	30	25	13
1844	17	28	21	24	13	5	14	1	26	21	26	11	10	25	9	22	16	29	10	28	12	28	7	20
1845	4	31	21	2	30	16	24	8	12	16	9	30	13	1	8	28	2	22	12	21	1	28	18	13
1846	30	18	3	26	20	2	21	13	26	11	4	22	10	17	5	24	7	28	8	18	3	25	31	16
1847	15	31	3	24	25	12	21	1	25	2	27	15	19	27	10	19	3	30	7	27	3	29	10	21
1848	1	11	21	11	31	15	22	19	19	11	16	12	21	7	15	19	4	22	16	18	4	10	8	23
1849	25	11	28	18	31	3	7	14	22	5	22	10	13	2	30	31	6	27	17	31	8	1	20	25

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1826	53	-3	53	-12	69	13	83	19	93	43	88	58	91	53	89	55	84	44	74	30	58	24	52	-6
1827	42	-18	48	-8	72	7	77	32	84	37	86	49	88	60	91	52	83	42	68	33	52	21	46	7
1828	46	2	55	18	69	18	65	28	80	43	91	52	93	56	96	53	88	44	73	23	64	15	54	5
1829	48	-10	42	-5	62	13	80	30	92	39	87	54	86	51	89	46	84	36	73	26	66	22	59	13
1830	45	-8	55	-12	70	14	88	31	87	30	85	50	97	56	87	52	84	35	74	33	69	34	49	6
1831	55	-10	44	-2	66	18	80	32	89	36	94	48	90	50	91	50	86	43	76	29	56	21	37	0
1832	50	-8	44	-11	63	8	79	18	86	38	91	49	91	56	90	46	86	42	69	27	59	22	44	6
1833	60	-6	47	-10	66	0	84	25	82	36	86	42	91	54	83	46	78	41	70	22	59	17	42	8
1834	44	-3	56	2	63	14	82	28	88	28	90	48	96	56	94	47	86	30	71	26	58	17	48	-8
1835	49	-23	46	-4	56	5	70	22	86	34	89	50	88	54	87	49	83	32	75	30	63	8	40	-13
1836	39	-12	44	-16	52	1	72	17	86	34	86	45	93	53	84	46	84	39	62	21	62	16	45	-2
1837	39	-10	46	-10	52	-12	72	24	89	28	90	53	88	55	87	51	80	38	72	24	70	3	53	-9
1838	54	-3	39	-6	58	3	68	21	89	33	94	52	96	54	90	50	84	43	75	23	60	10	41	-2
1839	55	-12	50	-5	64	-2	74	30	83	34	86	48	92	55	88	47	86	37	74	21	56	13	50	0
1840	43	-23	60	-6	65	7	85	24	92	39	93	45	96	50	87	55	81	42	74	25	57	23	44	3
1841	49	-12	49	-5	61	1	76	21	87	31	94	56	96	54	91	52	84	42	67	24	70	15	50	-2
1842	50	-4	56	5	70	14	85	15	79	37	86	40	91	54	85	31	85	34	70	32	58	14	43	-5
1843	53	-12	36	-14	47	2	75	15	85	36	88	40	93	56	88	56	-6	38	70	30	60	18	43	1
1844	43	-12	48	-5	55	10	84	9	80	36	84	48	86	53	86	52	83	37	69	31	53	10	50	5
1845	45	0	56	-7	73	17	80	25	91	38	92	50	97	54	90	55	79	41	72	25	68	16	39	-11
1846	46	-6	43	-11	59	-6	86	26	87	40	84	49	97	56	94	49	89	48	80	24	64	23	48	4
1847	47	5	49	-6	56	8	80	6	83	40	88	49	90	53	84	55	83	41	68	21	68	6	62	3
1848	57	-15	48	-3	69	-1	75	27	83	39	93	42	88	58	89	55	83	34	68	35	58	19	62	5
1849	46	-10	46	-7	64	15	67	24	79	35	92	49	93	50	82	56	75	42	67	33	62	27	43	5
Highest.	60		60		73		88		93		94		97		96		88		80		70		62	
Lowest.		-23		-16		-12		6		28		40		50		31		30		21		3		-13
Range.		83		76		85		72		65		54		47		65		58		59		67		75

SUMMARY OF OBSERVATIONS AT AMENIA SEMINARY,

AMENIA, DUTCHESS COUNTY, N. Y., DURING THE YEAR 1849.

Latitude N. 41° 48'; W. 73° 36'. Elevation 540 feet above the medium line in Haerlem River.

OBSERVER.*

ALEXANDER WINCHELL, A. B., Teacher

MONTHS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]				
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]
	First Half.	Second Half.																
January,	17,33	26,26	48	—10	56	8,5				8,5	4	1,5	8,5	17	14	5	1	
February, -	20,25	20,00	46	—16	62	1	3,5		4	5	1,5	1	12	13	15		8	1
March, -	30,12	41,01	57	8	49	1,5	3	,5	5	4	3,5	,5	13	12,5	18,5	7	2	1
April,	43,43	39,65	69	19	50	1	1		3,5	4,5	3,5	1,5	15	17,5	12,5	3	2	
May,	50,15	63,18	80	34	46	4	7,5	2,5	2,5	5,5	2,5	3,5	3	10,5	20,5	9		
June, -	62,28	70,82	93	44	49	4,5	4		4	3,5	4,5	2	7,5	20	10	5		
July,	68,60	70,09	96	59	37	9,5	3,5	1		9	5,5		2,5	22	9	9	5	
August, -	67,54	68,18	86	50	36	7	,5	,5		16,5	6		,5	20	11	6		
September,	58,31	57,22	80	39	41	10	1		2,5	7	4	1	4,5	20	10	5		
October,	46,47	47,51	62	30	32	6	4		2	6,5	7	1	4,5	12	19	11	1	
November,	46,59	43,72	64	22	42	8	3	1	3	3	6,5	2	3,5	13,5	16,5	6	1	
December,	29,43	27,05	46	1	45	7,5	5,5		4	4,5	5,5	1	3	11,5	19,5	3	6	5
Mean,	45,04	47,88				5,71	3,04	,46	2,54	6,46	4,50	1,25	6,46	15,79	14,62	5,75	2,16	,58
Total,	-	-				68,5	36,5	5,5	30,5	77,5	54	15	77,5	189,5	175,5	69	26	7

Annual mean temperature, 46,73.

Annual range, 112.

Greatest monthly range, 62.

Mean direction of winds, N. 77° 52' W.

Percentage of this direction, 15.

Value of resultant in days, 56,37.

Coldest day in the year, February 16th.

Warmest day in the year, July 13th.

First frost in autumn, October 9th.

First fall of snow, October 30th.

	Coldest days.	Warmest days.
January	11th,	14th.
February	16th,	28th.
March	4th,	31st.
April	14th,	3d.
May	6th,	21st.
June	10th,	22d.
July	3d,	13th.
August	15th,	28th.
September	19th,	17th.
October	31st,	29th.
November	1st,	5th.
December	21st,	15th.

SUMMARY OF OBSERVATIONS AT AUBURN ACADEMY,

AUBURN, CAYUGA COUNTY, N. Y., DURING TWENTY-TWO YEARS.

Latitude N. 42° 55'; Longitude W. 76° 28'. Elevation above tide 650 feet. In the valley of the outlet of the Owasco lake, about 100 feet below the lake, and 250 feet above the Erie canal at Port Byron.

OBSERVERS.

1827, '8, '9, Rev. JOHN C. RUDD, Principal.	1836, A. FISK and WILLIAM HOPKINS, Principals.
1830, Rev. J. C. RUDD and OLIVER S. TAYLOR, Principals.	1837 to 1843, WILLIAM HOPKINS, Principal.
1832, '3, '4, '5, ALLEN FISK, Principal.	1844, not stated.
1845 to 1849, WILLIAM HOPKINS, Principal.	

JANUARY.																			
THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
YEARS.	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	24,55	17,60	42—	5 47	13			,5	1	4,5	1,5	7	3,5	15,5	15,5	2	10		5,40
1828	36,08	24,42	55—	4 59	7,5		,5	,5		12,5	2	3	5	9,5	21,5	4	3	1	1,65
1829	21,21	24,89	48—	5 53	11		1,5			7,5	3,5	3	4,5	7,5	23,5		5	2	2,85
1830	29,11	15,97	42—	4 46	3,5					9,5	5	8,5	4,5	8,5	22,5		6	,5	1,04
1832	18,29	18,91	37—	7 44	13		1,5			1	1	2,5	12	19,5	11,5	,5	3,5	,5	1,88
1833	32,32	25,65	62—	7 69	1		1		7	6	3,5	3	9,5	12	19	1	3	1	1,48
1834	25,17	25,18	48—	2 46	4,5		1		4,5	7,5		6	7,5	16	15	1,5	3,5	,5	,78
1835	20,02	36,16	50—	6 56			2,5	,5	2,5	8,5	2,5	6,5	8	12,5	18,5	2,5	1		1,77
1836	31,51	20,91	42—	5 47	1		1	1,5	5	5,5	1,5	5,5	10	10,5	20,5	,5	4	,5	6,70
1837	16,45	25,20	38—	2 40			4,5		3	3	2,5	4	14	6	25		1,5		1,05
1838	35,46	27,70	54—	1 55	1		1		3	6,5	9	1	9,5	12,5	18,5				1,13
1839	39,33	18,65	48—	4 52	2				2,5	3,5	12		11	8	23		1,5	1	2,70
1840	16,53	16,52	40—	14 54	21		1		7			2	23	8		1	2,5		3,10
1841	27,94	29,77	52—	2 54	1,5		1,5	1,5	1	18	4	1	4	10,5	20,5	1,5	3		3,48
1842	22,04	35,24	50—	2 52	,5		,5	,5	1	12,5	9,5	1	5,5	18,5	12,5	1	3	3	1,25
1843	28,65	31,06	50—	10 40					10	6	3,5	4,5	7	10	21				2,78
1844	20,77	13,12	40—	6 46	,5		4	1,5	6,5	3	1		14,5	2	29	,5	3,5		2,70
1845	29,13	24,39	48—	0 48	7,5		1	,5	2	8,5	2,5	5	4	6,5	21,5	2	4	3	4,72
1846	27,14	19,89	42—	6 44	5		1		3,5	3	6,5	2,5	9,5	8	23	1	5		2,46
1847	21,75	17,10	50—	4 46	,5		,5		5	5	5,5	4	10,5	8	23	4	5	1	2,49
1848	23,47	27,58	48—	2 50	2				6,5	9,5	2		11	7,5	23,5	4	4	2	1,91
1849	14,66	26,48	48—	4 52	3		,5		,5	2	9	,5	15,5	5	26	5	5		4,38
Mean.	25,52	23,74				4,50	1,04	,32	2,93	6,82	3,98	3,11	8,30	10,91	20,09	1,66	3,85	,80	2,62
Total.						99	23	7	64,5	150	87,5	68,5	182,5	240	442				57,70

OBSERVATIONS AT AUBURN ACADEMY.

15

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	23,16	34,18	48	4	44	1				7	4	12	4	9	19	3	4	1	1,51
1828	34,91	33,78	57	6	51	6,5			1	13,5	1	2,5	4,5	10	19	4	3	1	1,40
1829	20,36	18,17	46	2	44	1		,5		7	3	9	7,5	8,5	19,5		4		1,77
1830	16,47	30,78	49	0	49	1	,5	,5		9	1,5	9	6,5	11,5	16,5		2,5		,48
1832	26,08	23,40	50	—	6	56	7		,5	11	,5	3	5	12,5	16,5	2	4,5	2	2,50
1833	22,48	25,03	48	0	48	4,5	,5			5,5	1,5	1,5	12,5	15	13		2,5		1,65
1834	31,75	37,29	60	10	50	5			2	8,5	4,5	3,5	3,5	17,5	10,5	3	1	,5	1,38
1835	15,99	28,75	49	0	49		2	,5	4	2	6,5	3	10	11,5	16,5	,5	7	1	1,47
1836	16,01	22,34	42	—	13	55	2		4	4,5	4	5,5	8	12	17	2	3,5		3,20
1837	23,66	24,91	42	0	42	2,5	1,5		1,5	6,5	5	1,5	9,5	8	20		1		1,20
1838	18,59	12,24	40	—	3	43				3,5	2		22,5	7,5	20,5			2,5	1,78
1839	24,71	36,02	48	—	10	58		,5	1	7	16,5		3	14	14				,75
1840	30,59	41,45	56	—	2	58	9,5		1	13	3		2,5	18	11	2			2,55
1841	15,13	26,04	42	—	14	56	11			2,5	2,5	2,5	9,5	17	11		1		3,59
1842	41,35	32,90	54	10	44	2		1,5	2	4,5	7,5	3,5	7	9,5	18,5	3	2	1	4,10
1843	16,67	16,87	32	—	10	42		2	1	5	2	10	2	6	22				2,12
1844	23,80	28,32	46	0	46	2,5	,5	1	3,5	6,5	3,5	1,5	10	7	22		2		2,26
1845	18,30	39,89	64	—	4	68	1,5	3		7,5	4	1	4,5	6,5	8	20	1	3	2,74
1846	25,07	15,56	42	—	4	46	1	2	1,5	1	4	8,5	1,5	8,5	6	22		7	2,90
1847	23,57	20,78	44	—	5	49		2		6	2	1,5	9,5	4	24		6	2	2,24
1848	20,57	26,37	42	—	2	44		1		9	3,5	1	3,5	11	14,5	2	7	1	,83
1849	18,19	20,34	42	—	6	48	10		2	2	5,5		8,5	10,5	17,5	2	2	1	2,52
Mean.	23,06	27,07				3,31	,81	,31	2,25	6,04	4,29	3,22	7,98	10,79	17,47	1,22	3,15	,70	2,04
Total.						73	18	7	50	133	94,5	71	175,5	237,5	384,5				44,94

MARCH.

1827	32,28	38,74	70	8	62	4	1		,5	10	1	7,5	7	17,5	13,5	2	2	1	,93
1828	32,61	42,72	78	8	76	7,5				15,5	3	1,5	3,5	16	15	3	1	2	1,84
1829	30,60	29,35	62	8	54	1,5	2			5	3,5	4,5	14,5	13,5	17,5	1	3	5	1,01
1830	29,53	39,57	66	10	56	1	1		1,5	12,5	1	4,5	9,5	10,5	20,5	1	4,5		4,02
1832	34,36	35,35	68	4	64	4,5				16,5		1	9	19	12	2	2		1,19
1833	24,22	38,53	70	—	2	72	3,5	1	,5	1,5	10,5	2,5	4	7,5	18,5	12,5	1	2,5	1,45
1834	37,99	36,83	62	14	48	2,5	1,5			4,5	8,5	5,5	,5	8	14	17	3	3,5	1,00
1835	29,77	36,04	53	1	52	2	3			4	4,5	7,5	2	8	15,5	15,5	,5		1,77
1836	25,70	31,78	48	6	42	,5		,5	6,5	7,5	3,5	6	6,5	20	11	2	2,5	,5	1,28
1837	26,17	33,41	54	0	54	,5	2,5	,5	5	4,5	1	1	16	16	15	1,5		2,5	2,50
1838	31,64	39,72	58	—	4	62		5	3	8,5	6	,5	8	15	16	1		1,5	1,30
1839	27,41	35,86	54	6	48	,5	2,5	2		13	3,5	1,5	8	20,5	10,5	1			1,60
1840	34,30	38,07	56	19	37		1			8	8		14	22	9		2		1,20
1841	36,06	36,30	50	14	36	4				4,5	7,5	1,5	13,5	18	13	1		,5	1,56
1842	43,96	42,92	64	28	36	1,5	2,5	1	1,5	6	11	3,5	4	12,5	18,5	11		2	3,28
1843	17,41	38,14	50	—	4	54	6	1	2	5	6	1	10	10,5	20,5	1			3,89
1844	36,70	31,33	60	10	50	5	2,5	1	,5	7	4,5	,5	10	10,5	20,5	1	1,5	1	5,40
1845	37,60	40,52	78	12	66	2			5,5	6	5,5	6,5	5,5	10	21	3	3		1,47
1846	31,88	37,09	58	—	6	64	1	1,5	,5	4,5	7,5	1,5	3,5	11	13,5	17,5	2	5	2,28
1847	26,38	22,23	48	10	38	3,5	1		2	9	3	1	11,5	8,5	22,5	1	2		1,72
1848	22,35	34,71	72	—	2	74		1	4,5	6	4	4	9,5	10,5	20,5	4	3	3	2,44
1849	29,34	35,53	48	10	38	5,5			,5	3,5	7	,5	14	12,5	18,5	4	1	2	3,78
Mean.	30,83	36,12				2,66	1,23	,41	2,16	8,14	4,36	2,57	9,47	14,75	16,25	2,14	1,86	1,09	2,13
Total.						58,5	27	9	47,5	179	96	56,5	208,5	324,5	357,5	47	39	24	46,91

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	53,15	60,85	74	30,44	7,5	1				9,5	2,5	4	5,5	21,5	8,5	5			2,27
1828	38,85	46,53	57	29,28	12	1	1,5	,5	5,5	1	4	4,5	13	17	4		1		2,93
1829	41,06	47,48	72	29,43	8		,5	1,5	10,5	2	3,5	4	11	19	2				1,48
1830	45,67	55,59	82	29,53	2,5	1	1,5	3,5	9	1,5	3	8	19	11	1				1,75
1832	41,88	45,99	78	17,61	6,5	2			6,5		1,5	13,5	18,5	11,5	3				1,46
1833	46,55	52,72	80	26,54	4,5	,5	,5	10	6,5	3,5	1	3,5	21	9	2				1,65
1834	50,10	47,95	75	29,46	3,5	3	4	6	2	1	2,5	8	17,5	12,5	4,5		,5	1	1,30
1835	46,54	41,68	76	16,54	2,5	3,5		5,5	6	1,5	4,5	6,5	15	15	5,5	3,5	2		4,68
1836	36,68	46,86	70	22,46	4		,5	1,5	6	6,5	1	3	7,5	19,5	10,5	4,5	1,5	1,5	2,80
1837	42,12	42,57	68	24,44			,5		5	1	2		21,5	16	14			1,5	,50
1838	37,66	37,10	54	20,34					1		3,5	1,5	24	13,5	16,5	1			,99
1839	48,19	44,22	75	28,47	1	2				7,5	4,5	,5	14,5	22	8	1			2,20
1840	42,53	44,37	76	26,50	1,5					15,5	4		9	24	6	2,5			2,65
1841	37,66	46,44	56	28,30	3		,5	,5	3	7	2,5	13,5	10,5	19,5	2,5				3,26
1842	48,53	32,45	78	34,44	1,5	1,5	3	2	4,5	5	6	6,5	12	18	12				3,32
1843	50,13	44,92	70	30,40	2		,5	2	1,5	8,5	5	1,5	9	14	16	2			3,16
1844	58,79	47,39	83	40,43	1,5	1			7	10,5	1,5	8,5	14	16	4				4,68
1845	30,56	51,83	82	24,58	1				4	3,5	3,5	1,5	16,5	13	17	7	1		2,61
1846	45,24	52,79	72	24,48	2,5	2			4,5	6	5		10	14	16	4	1		,92
1847	34,66	40,26	76	6,70	,5				1	6,5	3	,5	18,5	5,5	24,5	5	2		2,68
1848	38,57	36,70	62	26,36	3					1,5	8		17,5	10,5	19,5	3	1		1,07
1849	40,90	36,96	70	18,52						4	8,5	1,5	16	14,5	15,5	3	2	1	,70
Mean.	43,45	45,62				3,12	,99	,68	2,39	5,93	3,80	2,00	11,09	15,43	14,57				2,23
Total.						68,5	20	15	52,5	130,5	83,5	44	246	339,5	20,5				49,06
MAY.																			
1827	50,35	61,03	84	35,49	12,5	2			1	5	3,5	3	4	22,5	8,5	3		1	2,03
1828	60,43	58,51	78	41,37	6,5	1,5	,5			13,5	2	2,5	4,5	19	12	4			3,21
1829	53,08	66,98	88	35,53	6		,5		1	10,5	5	4	4	23	8	1			1,94
1830	55,46	55,35	80	31,49	8	1	1	1	6,5	2,5	4,5	6,5	15,5	15,5	2,5				4,20
1832	60,80	54,10	78	30,48	4	1,5	,5	1,5	11	4	3	5,5	18,5	12,5	4				2,37
1833	60,07	62,16	80	37,43	4,5	2			6,5	5	3,5	4,5	5	18,5	12,5	5,5			7,82
1834	47,21	63,83	81	24,57	1,5	,5			2,5	7,5	8,5	3	7,5	19	12	4,5	,5		2,82
1835	51,25	63,18	79	34,45	4	2,5	1	2,5	5	1,5	5	9,5	21	10	2				1,13
1836	57,19	59,73	79	34,45	4,5	1	2,5	6	3	6,5	2	5,5	17	14	6,5		,5		3,80
1837	49,75	51,92	74	29,45		1			8	,5	2,5	,5	18,5	17	14	3,5			4,55
1838	49,81	53,88	78	34,44		5,5	,5	1	1,5	11	,5	11	14,5	16,5	1,5				1,20
1839	54,97	60,01	74	14,60	,5	2		2		11,5	,5	14,5	21	10	2				5,10
1840	55,68	60,99	82	40,42	7,5	,5				15	2		6	23,5	7,5	1,5			4,70
1841	42,62	44,97	74	38,36	2,5			,5	11,5	9	1,5	6	12	19	2,5				3,25
1842	37,86	41,48	78	40,38			1,5	1	4	10	5	9,5	14,5	16,5	7				2,67
1843	49,30	56,76	71	30,41	3	1,5	,5	3	7	4	1	11	11,5	19,5	3				5,12
1844	56,66	62,38	78	45,33	3	1	,5	,5	5,5	14	,5	6	10,5	20,5	3				3,51
1845	41,29	52,96	88	28,60	2,5			1	7	3		17,5	20	11	9				2,67
1846	54,33	63,62	86	30,56	4	,5	1	4	2	3	3	13,5	17,5	13,5	8				1,67
1847	51,79	59,05	76	29,47	2,5	,5		2,5	17,5	3,5		4,5	14,5	16,5	4				1,75
1848	46,78	61,99	84	36,48	,5	1	,5		16,5	4		8,5	16	15	8				6,12
1849	43,25	50,59	74	34,40	1	3		5	2	12,5		7,5	8,5	22,5	8				4,30
Mean.	51,36	57,52				3,57	1,32	,41	2,34	7,14	5,77	2,00	8,45	17,04	13,96				3,45
Total.						78,5	29	9	51,5	157	127	41	186	375	307				75,93

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	66,50	65,31	87	42	45	7,5				14	3,5	2	3	21	9	5			4,88
1828	66,56	74,58	94	50	54	3				15	3,5	5	3,5	24	6	3			3,31
1829	68,53	62,70	91	51	40	6,5	1	,5	1,5	6	2,5	2	10	23,5	6,5	4			3,95
1830	61,98	62,14	90	44	46	5			2	13	5	2	3	8,5	21,5	9,5			7,83
1832	64,72	70,13	86	46	40	1	3		,5	9	10	4	2,5	20,5	9,5	2			1,49
1833	58,83	64,33	80	45	35	1	2,5		5,5	2,5	5,5	3	10	16,5	13,5	3,5			1,43
1834	62,16	65,98	81	41	40	3		1	7	7,5	1	3,5	7	19	11	6			3,42
1835	68,82	62,68	86	47	39	4	2		5	5	5,5	3,5	5	16,5	13,5	6,5			6,39
1836	66,27	64,92	84	44	40	2	3	6	7,5	4	1	3	3,5	14	16	8			3,02
1837	64,42	62,24	80	50	30	1	1		2				8	23,5	6,5	2,5			3,00
1838	63,34	69,20	84	50	34	2	,5			3	12,5	,5	11,5	22	8	,5			3,00
1839	49,66	59,23	77	46	31				6	14			10	19,5	10,5	2			7,46
1840	68,10	64,26	85	48	37	1,5			1	16,5	5		6	19,5	10,5	,5			3,39
1841	62,81	67,84	78	48	30					11,5	13,5	1	4	14	16	1,5			1,30
1842	46,16	42,27	84	28	56	2,5				10,5	10,5	1,5	5	15	15	3			3,17
1843	64,75	70,67	82	40	42	2	,5	,5	3	13	4,5	1	5,5	14,5	15,5	2,5			3,49
1844	62,83	65,40	79	48	31			2	,5	7	13,5	2,5	4,5	15	15	2,5			3,03
1845	63,84	62,50	92	40	52	1			3,5	11	10	1,5	3	18	12	7			1,76
1846	68,37	65,62	87	42	45	,5	,5	,5	6	4,5	5,5	1,5	11	20	10	9			2,73
1847	59,16	64,73	84	42	42		,5			22	4,5	1	2	18	12	6			2,16
1848	56,81	69,24	88	36	52	3,5				13,5	4		9	19	11	8			4,03
1849	58,76	63,41	88	42	46	,5	1		5,5	4,5	11	,5	7	24,5	5,5	7			4,30
Mean.	62,42	64,52				2,16	,70	,48	2,30	9,04	7,46	1,77	6,09	18,45	11,55				3,52
Total.						47,5	15,5	10,5	50,5	199	164	39	134	406	254				77,54
JULY.																			
1827	74,65	67,19	90	57	33	9,5				9	3	3,5	6	24,5	6,5	7			2,76
1828	66,40	72,34	87	58	29	4,5		,5		3,5	5	9	8,5	21,5	9,5	4			2,45
1829	65,59	69,00	86	51	35	8		,5	1	6	5	7	3,5	21	10	3			4,07
1830	66,04	76,78	96	47	49	3,5	1,5			3,5	12	6	4,5	16,5	14,5	6,5			2,91
1832	70,62	66,75	89	52	37	1,5			2,5	4	12,5	2,5	8	17,5	13,5	5			3,35
1833	68,18	67,11	87	53	34	2	1		3,5	3	11,5	1	9	18	13	5,5			5,63
1834	72,97	72,29	92	50	42	3	1,5		1,5	3,5	7,5	7	7	22,5	8,5	1			2,25
1835	67,13	70,60	84	49	35	2	,5		3,5	5	5,5	9	5,5	22	9	3,5			3,12
1836	72,73	68,19	86	51	35	5,5	2	,5	3	5	6	3	6	25	6	3			1,05
1837	65,16	66,41	82	54	28	,5	2,5	,5	4		9,5		14	21	10	1			3,80
1838	70,20	70,12	89	50	39						10,5		20,5	28,5	2,5				2,50
1839	79,04	77,44	84	60	24					19	8	1	3	21,5	9,5	1			1,00
1840	76,62	74,01	87	64	13	,5			1,5	19,5	6,5		3	20	11	1			3,23
1841	76,12	75,64	88	60	28				2	20	7		2	19,5	11,5	1			2,09
1842	69,10	74,92	86	60	26				2	19,5	6,5	1	2	17,5	13,5	3			4,43
1843	71,20	74,02	91	58	33	2,5	,5		,5	6,5	8,5	1,5	11	23,5	7,5	2			2,09
1844	68,68	71,31	89	58	31	,5	,5	1	2	15,5	9	,5	2	17,5	13,5	1,5			2,27
1845	70,84	69,26	96	45	51	,5			1,5	16,5	4,5	1	7	24	7	5			2,89
1846	70,44	69,34	96	52	44		1		5,5	5	4	1,5	14	19,5	11,5	7			2,27
1847	69,93	69,34	89	44	45	4	1,5	,5	3,5	20	1	,5		22	9	6			3,86
1848	65,96	63,05	82	48	34	1	1,5	1,5	4	10,5	10		2,5	22,5	8,5	7			4,99
1849	60,54	70,34	93	46	47	5,5	,5		10	5	4,5	,5	5	27,5	3,5	6			,95
Mean.	69,91	70,70				2,34	,77	,29	2,34	9,06	7,15	2,52	6,53	21,45	9,55				2,91
Total.						51,5	16	6,5	51,5	199,5	157,5	55,5	144	472	208				64,06

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1827	70,81	65,85	90	49	41	12	1,5		,5	8	3	1,5	4,5	19,5	11,5	3			3,15
1828	63,66	71,62	88	55	33	10,5				10	3	2	5,5	22,5	8,5	1			4,65
1829	68,70	65,62	88	47	41	13,5		1	,5	3,5	5	5	2,5	26	5	2			3,45
1830	67,23	64,28	94	42	52	5,5		,5	2	9	5	2,5	6,5	16,5	14,5	4,5			1,35
1832	72,52	64,06	86	48	38	1			2	13,5	8	2,5	4	22,5	8,5	3,5			6,75
1833	67,45	65,29	83	47	36	3	1		6	3,5	9	2	6,5	20,5	10,5	5,5			3,62
1834	73,30	65,22	88	47	41	6			4	4,5	5,5	2,5	8,5	26	5	,5			2,35
1835	66,12	63,62	84	44	40	1,5	3		2	3,5	8	3	10	24	7	4			4,30
1836	63,98	61,44	80	45	35	2	,5	1	9	4,5	1,5	1	11,5	20	11	2,5			2,32
1837	61,80	62,37	84	48	36		,5	,5	1,5		13,5	1,5	13,5	21	10	1			4,55
1838	68,55	64,80	84	52	32				1	,5	10,5	5,5	13,5	18	13	4			2,64
1839	65,44	65,86	80	52	28	3			1	15,5	5,5		6	28,5	2,5				3,70
1840	67,67	64,17	80	50	30	1	,5	,5	,5	16	6		6,5	23,5	7,5	2			2,89
1841	71,21	74,85	84	53	31	2	1		3	14	6	,5	4,5	20	11	,5			1,15
1842	66,55	60,75	84	50	34	4	2		3,5	4	6,5	4	7	11	20	10			3,89
1843	72,96	67,51	82	49	33	4	1,5		2,5	5	7		11	15	16	2			3,78
1844	74,50	70,16	89	54	35		1	1	1,5	13	11	2	1,5	16	15	2			3,01
1845	74,60	65,40	92	52	40	2	,5		1	15,5	10,5		1,5	23	8	4			2,05
1846	74,58	75,60	90	52	38	1,5	1,5		2	11,5	8,5		6	23,5	7,5	4			2,58
1847	70,31	68,24	90	52	38	2,5	2,5	1	2	15	5	,5	2,5	20	11	4			3,70
1848	71,93	65,92	88	54	34	,5	,5		3	15,5	4		7,5	20	11	5			3,88
1849	71,41	70,93	88	52	36		,5		9,5	6	10	1,5	3,5	20	11	7			1,29
Mean.	69,33	66,52				3,44	,81	,25	2,65	8,71	6,91	1,65	6,55	20,77	10,23				3,23
Total.						75,5	18	5,5	58	191,5	152	37,5	144	457	225				71,05

SEPTEMBER.

1827	67,45	57,00	83	42	41	6	3	,5	1	5	,5	5	9	18	12	7			5,67
1828	62,37	59,31	78	48	36	4	1		,5	6,5	6,5	4,5	7	15,5	14,5	5			3,46
1829	56,74	53,28	82	36	46	12	1			5	5,5	2	4,5	17	13	5			4,36
1830	60,97	53,68	81	30	51	2	1		1	2	10,5	9	4,5	9,5	20,5	6,5			3,25
1832	56,69	58,94	80	43	37				6	9,5	5,5	2	7	17,5	12,5	2,5			3,22
1833	63,89	59,43	80	40	40	3,5	1,5			5,5	6	2,5	11	19	11	3			2,80
1834	65,25	60,51	83	34	49		1,5		5	8,5	4,5	3,5	7	18,5	11,5	5			4,14
1835	54,14	53,20	80	35	45	1,5			4,5	5,5	6,5	3	9	21,5	8,5	1,5			2,02
1836	61,14	60,91	85	33	52	1	,5	1,5	5,5	9	3,5	1,5	7,5	15,5	14,5	16,5			3,20
1837	60,23	57,12	77	40	37	1	1		7,5	5	5,5		10	20	10	3,5			1,68
1838	62,92	61,96	78	46	32		2,5	1,5	1	1,5	6	1	16,5	23,5	6,5	,5			1,70
1839	57,77	55,88	78	36	42				1	,5	20		8,5	25	5	1	,5		1,80
1840	60,10	56,47	78	44	34	1	,5		1	12,5	7,5		7,5	24,5	5,5	1,5			2,57
1841	68,34	58,70	78	45	33	1,5	,5	1	6,5	12	2,5	1	5	17,5	12,5				1,86
1842	52,44	54,15	85	48	37	3,5			1	6,5	11	2	6	11,5	18,5	3			4,34
1843	50,58	56,23	75	38	37	3,5	1,5		,5	2	6,5		16	4,5	25,5	3			6,14
1844	68,30	60,30	86	40	46				2	14,5	7,5	2	4	22	8	1			1,51
1845	63,28	59,48	84	47	37	2			11	11		3	3	19,5	10,5	8			4,10
1846	70,55	60,52	86	46	40	1	2,5	,5	,5	3,5	11,5	1,5	9	17,5	12,5	7			4,37
1847	65,33	63,41	82	50	32	2	2,5	1	1,5	14	7		3	20	10	4			3,50
1848	63,66	52,58	80	38	42	4				5,5	7	,5	13	16	14	6			2,77
1849	57,28	58,96	78	44	34	1			3,5	5,5	11		9	18	12	5			5,56
Mean.	61,33	57,81				2,30	,93	,27	2,21	6,84	7,41	2,00	8,04	17,79	12,21				3,36
Total.						50,5	20,5	6	48,5	150,5	163	44	177	391,5	268,5				74,02

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	56,33	47,21	68	33	35	4	1		3,5	7,5	1,5	7,5	6	17	14	10			4,65
1828	51,92	47,55	72	31	41	6,5				12,5	2,5	3,5	6	16,5	14,5	2	1	1	2,70
1829	50,63	50,14	72	31	41	7	,5	1		15	3,5	2,5	1,5	18,5	12,5	4			2,70
1830	52,65	49,13	80	30	50	1,5	,5	1,5	3	3	13,5	4	4	14,5	16,5	5			2,95
1832	51,05	53,20	72	21	51	4,5			8	6,5	4	,5	7,5	17,5	13,5	4,5			2,05
1833	53,75	45,05	71	27	44	,5	,5		6,5	6	2	2,5	13	14,5	16,5	5	1		3,43
1834	52,05	44,00	72	28	44	4	1,5	2,5	3	8,5	2	2	7,5	16	15	3			2,20
1835	50,19	58,89	75	35	40	,5	,5		6	10	7	1	6	15	16	4,5			3,65
1836	44,05	38,80	68	24	44	2	3	,5	3	4	7,5	3,5	7,5	9,5	21,5	3	1	1	2,49
1837	45,08	45,27	73	24	49	1,5			3	7	4,5	,5	14,5	17,5	13,5	4,5			3,30
1838	51,43	40,93	70	26	44		1			3	15		12	11,5	19,5	2			2,35
1839	55,04	60,19	72	24	48					9,5	12,5		9	27,5	3,5	1			1,00
1840	58,19	41,64	74	26	48	4,5	,5		2,5	11,5	2,5	2,5	7	16,5	14,5	2,5	1	1	4,55
1841	40,95	40,97	62	30	32	4,5	,5		5,5	6	3,5	3,5	7,5	11,5	19,5	,5			,90
1842	48,00	38,19	70	32	38	4			1,5	9,5	10	,5	5,5	14,5	16,5	4			3,97
1843	44,03	38,61	56	38	18	3	2			2,5	4	2,5	17	2	29	4			6,40
1844	53,37	37,89	70	28	42	2,5	1	,5	1	5,5	7,5	1	12	12,5	18,5	2			3,07
1845	47,91	48,55	76	22	54	5			1	11	10	1	3	19	12	6			3,66
1846	58,57	40,74	78	22	56	2,5	1	1	3	5,5	12		6	2	29	9	1	2	4,40
1847	46,61	42,75	66	18	48	1			2,5	12	3	4	8,5	9	22	11		1	5,55
1848	53,55	49,39	68	34	34	5	1		,5	5	4	,5	15	15,5	15,5	7			2,99
1849	55,62	47,41	74	36	38		1,5		4	1,5	9,5		14,5	11	20	7			4,79
Mean.	50,95	45,75				2,91	,73	,32	2,61	7,38	6,44	1,95	8,66	14,04	16,96				3,35
Total.						64	16	7	57,5	162,5	141,5	43	190,5	309	373				73,75

NOVEMBER.																			
1827	38,86	30,25	52	23	29	12		2		8	1	,5	6,5	11	19	2	3		1,55
1828	46,79	36,56	64	23	41	2				14,5	4	4,5	5	8,5	21,5	4	3	1	1,26
1829	37,48	35,10	54	19	35	1,5		,5	1	6,5	10	4	6,5	9	21	3	2		2,30
1830	48,81	40,24	62	32	30	1	3	3		5	9,5	3	5,5	4,5	25,5	6,5	3,5		3,70
1832	40,66	35,07	62	20	42	1,5	,5	,5	2,5	3,5	10,5	3	8	11	19	3	1		2,66
1833	44,89	34,67	64	25	39	1	3		2	6	7	6	5	19	11		2		,79
1834	41,61	35,85	56	18	38	4	1	2	3	8	1,5	1,5	9	12	18	7		1	1,18
1835	46,39	34,55	64	15	49	1,5	1,5	1	3,5	7	2,5	6,5	6,5	14,5	15,5	2,5	1	,5	2,40
1836	34,05	33,84	58	16	42				5,5	3,5	9	2,5	9,5	7	23	1,5			,87
1837	38,25	42,35	66	19	47	1			2	1	15		11	12	18	,5		1	1,80
1838	40,69	25,90	33	9	24		3		3	4	12,5		7,5	10	20	2,5			2,00
1839	40,13	32,86	48	16	32	5			1	1	10	5,5	12	11	19	1,5		2,5	2,96
1840	34,71	33,92	50	24	26	6	,5	1		2	7	2	11,5	17,5	12,5	1,5			3,45
1841	41,62	28,15	68	14	54	4				1	7	6,5	11,5	7	23	1	2,5	1	3,49
1842	34,16	30,28	42	14	28	,5			1,5	7	9	1,5	10,5	9	21	2	2	1	3,59
1843	41,56	32,60	54	18	36	10	4	1,5	,5		1		13	2	28	5			6,22
1844	41,44	38,68	50	30	20	4	2			1,5	7,5	1	14	3,5	26,5	3			3,79
1845	43,39	35,38	66	20	46	4	1			9,5	9	3	3,5	7	23	11	7	1	4,27
1846	46,19	34,00	62	18	44	3,5	5		5,5	4	2	3	7	2	28	6	1	3	3,30
1847	43,60	32,42	70	0	70				1	8	7	1	13	5,5	24,5	8	1		2,19
1848	35,06	33,24	50	18	32	6	2,5		2,5	4	6	3	6	3	27	4		3	3,00
1849	43,84	42,22	54	34	20	4	2,5		2	1	4,5	2	14	11,5	18,5	5	1	1	4,73
Mean.	41,07	34,46				3,08	1,33	,53	1,67	4,82	6,94	2,72	8,91	8,95	21,5				2,79
Total.						68	29,5	11,5	36,5	106	152,5	60	196	197,5	462,5				61,50

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1827	35, 78	26, 16	51	8 43	10, 5	1				7	1, 5	5, 5	5, 5	7	24	5	2	1	4, 09
1828	40, 24	29, 47	58	14 44	6					11, 5	5	6, 5	2	16, 5	14, 5	1	1		1, 05
1829	37, 26	38, 87	63	12 51	6, 5				5	7, 5	9, 5	5, 5	1, 5	14	17	3	1		, 66
1830	33, 68	28, 92	55	3 52	1, 5	1, 5			3	3	5, 5	11	5, 5	3	28	3, 5	4, 5		4, 40
1832	33, 70	28, 86	45	16 29	3, 5	5		5	6, 5	3, 5	5, 5	2, 5	8, 5	7	24	1, 5	1, 5		1, 95
1833	31, 63	33, 11	46	10 36	1, 5	4, 5	2	6	4	5	7, 5	3		8	23	1	2, 5	, 5	2, 25
1834	32, 28	26, 90	50	10 40	4	5	1			5	7	1, 5	12	8	23	1	4, 5	, 5	1, 88
1835	23, 49	28, 20	45	5 50	5	1			3, 5	8	4	6, 5	7, 5	6	25	1, 5	4, 5	, 5	1, 63
1836	32, 61	23, 81	47	4 43	3				3, 5	6, 5	6, 5	5	11	9	22	5			, 57
1837	30, 22	26, 74	50	2 48	2	1	2	1		2, 5	11, 5	5	10, 5	15	16				1, 10
1838	31, 62	18, 94	40	8 32						1	23		7	10	21		1		1, 15
1839	24, 21	32, 34	45	6 39	2	2, 5			1		4, 5	3, 5	17, 5	8, 5	22, 5		3, 5		3, 15
1840	28, 39	22, 50	45	10 35	15	1, 5					6		8, 5	15	16	1	3		3, 10
1841	23, 79	19, 78	38	0 38	11						5	5	14, 5	14	17		1		2, 25
1842	29, 35	29, 92	45	18 27	4	5				2	10	1	13, 5	11, 5	19, 5	1	3	3	2, 82
1843	25, 66	28, 22	46	12 34	9, 5	2, 5			1, 5	5	1		16	2, 5	28, 5	5	1		4, 42
1844	37, 41	30, 99	50	14 36	8, 5	1, 5					5	5	15, 5	4	27			, 5	4, 55
1845	17, 84	20, 66	42	6 48	7	1, 5	5		5	5, 5	8	4, 5	3, 5	6, 5	24, 5	4	3		1, 48
1846	34, 16	29, 80	56	10 46	1, 5				5	1, 5	3		24, 5	2	29	2		3	3, 25
1847	35, 46	25, 83	54	2 52	4	2			5	12	5		7, 5	1, 5	29, 5	4	3	1	6, 21
1848	37, 91	30, 56	54	12 42	2	2, 5	5	1		4	10	5	10, 5	5, 5	25, 5	3	3	4	4, 74
1849	35, 49	27, 00	46	6 40	7, 5	6, 5				1	1, 5	1, 5	13	3	28	5	2		3, 41
Mean.	31, 55	27, 66				4, 91	1, 55	, 30	1, 32	3, 91	6, 38	2, 70	9, 93	8, 07	22, 93				2, 73
Total.						108	34	6, 5	29	86	140, 5	59, 5	218, 5	177, 5	504, 5				60, 11

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.		WEATHER. MEAN RESULTS.						Rain gauge, total fall.	
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.		Rain gauge, Monthly mean.
	First Half.	Seco'd Half.																					
January, --	25.52	23.74	62	-14	76	4.50	1.04							N 71° 06' W	4	8.63	10.91	21.09			2.62	57.70	
February, --	23.06	27.07	64	-14	78	3.31	1.34							N 54° 08' W	4	9.54	10.79	17.47			2.62	14.34	
March, ---	36.83	36.12	73	-6	77	2.66	1.23							N 44° 09' W	32	9.22	11.75	16.25			2.62	46.34	
April, ----	49.45	45.62	75	6	74	3.12	.99							N 44° 49' W	32	9.56	15.43	14.57			2.62	49.06	
May, -----	51.36	57.52	84	14	74	3.57	1.32							N 45° 09' W	29	9.16	17.14	13.86			2.62	75.36	
June, -----	62.42	64.52	94	28	66	3.16	.70							N 44° 16' W	42	12.54	18.45	11.55			2.62	77.54	
July, -----	69.91	70.70	96	44	52	3.34	.77							N 43° 25' W	47	14.13	21.45	9.55			2.62	64.06	
August, ----	69.33	66.52	94	42	52	3.14	.81							N 54° 20' W	35	10.47	20.77	10.22			2.62	71.05	
September, --	61.38	57.81	86	30	56	2.39	.96							N 63° 20' W	37	11.12	17.79	12.21			2.62	74.02	
October, ---	50.35	45.75	80	21	59	2.91	.73							N 71° 57' W	31	10.25	14.04	16.96			2.62	73.75	
November, --	41.07	34.46	70	0	70	8.08	.33							N 81° 17' W	42	12.84	8.95	21.05			2.62	61.50	
December, --	31.55	27.66	62	-6	69	4.91	1.55							N 81° 17' W	41	12.16	8.07	22.33			2.62	60.11	
Mean, ----	47.23	46.44				3.19	1.10							N 78° 19' W	33	11.58	14.55	15.56			2.56	63.05	

Highest degree, July 21, 1830, July 3, 1845 and July 15, 1846, = 96°
 Lowest degree, January 16, 1840, and February 12, 1841, = -14°
 Extreme range in 22 years, = 110°
 Greatest monthly range in March.
 Least monthly range in July and August.

Mean monthly range, 65°
 Driest month, February.
 Wettest month, June.
 Total fall of rain and snow in 22 years, 63 feet 0.57 inches.

OBSERVATIONS AT AUBURN ACADEMY.

21

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1827	21.07	25.67	35.51	57.00	55.69	65.90	70.92	68.33	60.48	49.82	34.55	20.97	18.24	90	-5	95	62	January 20.	August 8.	October 17.	
1828	30.25	31.34	38.16	42.69	50.47	57.57	69.37	67.64	60.84	49.73	31.67	31.85	19.96	91	-4	98	70	January 21.	June 27.	October 17.	October 31.
1829	33.05	19.26	29.97	44.27	60.03	65.61	67.29	67.16	55.01	50.88	36.29	38.06	16.36	91	-5	96	54	January 3.	June 17.	September 9.	November 13.
1830	32.54	31.62	34.55	50.63	53.90	62.06	71.41	65.75	57.32	50.89	44.52	31.30	17.37	96	-4	100	56	January 23.	July 18.	September 17.	November 25.
1831	18.60	24.78	34.88	43.94	57.45	67.42	68.68	68.29	57.81	52.12	37.87	31.28	16.92	84	-7	96	64	January 27.	July 1.	October 15.	October 28.
1832	25.98	23.75	31.38	49.63	61.12	61.55	67.64	66.37	61.66	49.40	39.78	32.37	17.89	84	-7	94	72	January 11.	July 13.	September 14.	October 29.
1833	25.17	34.52	37.41	49.02	55.53	64.07	72.63	69.28	62.88	48.02	38.73	29.09	18.93	94	-8	90	57	January 21.	July 26.	October 11.	October 27.
1834	28.09	22.37	33.70	44.11	57.21	65.75	68.86	64.87	53.67	54.54	40.47	25.81	16.51	86	-6	82	56	January 7.	June 10.	September 15.	November 23.
1835	26.21	19.17	28.74	41.77	58.46	65.50	70.46	62.71	61.02	49.71	33.94	25.21	14.75	86	-13	99	55	February 7.	July 8.	September 6.	September 23.
1836	29.82	24.27	29.79	42.34	53.83	63.32	66.03	62.69	58.67	45.17	40.30	25.50	16.17	84	-12	86	54	January 2.	July 8.	September 6.	September 23.
1837	31.58	15.41	25.18	37.33	51.84	66.27	70.16	66.67	62.44	46.19	32.99	25.28	15.11	89	-4	93	62	March 1.	July 9.	August 5.	November 7.
1838	23.26	30.86	31.68	46.21	57.48	64.45	75.88	65.65	56.83	57.61	36.49	28.42	17.29	84	-10	94	60	January 23.	July 30.	September 27.	
1839	16.52	36.02	36.18	45.45	58.33	66.18	75.38	65.97	58.48	49.91	33.81	25.46	17.55	87	-11	101	58	January 16.	July 4.	October 25.	October 26.
1840	28.85	20.58	35.18	42.05	43.78	65.32	75.88	73.03	63.52	40.96	34.88	21.78	15.56	88	-11	102	56	February 12.	July 12.	October 25.	October 18.
1841	28.64	17.22	43.44	50.49	59.66	67.21	72.01	68.65	53.29	43.09	32.22	29.63	14.62	86	-2	85	56	January 5.	July 17.	October 15.	November 27.
1842	29.85	16.77	27.77	47.52	53.03	67.71	72.67	70.23	53.02	41.32	37.08	26.94	15.52	91	-10	101	54	February 4.	July 19.	September 14.	November 24.
1843	16.91	26.06	34.01	53.09	59.52	64.11	69.33	73.33	64.30	45.63	40.06	34.15	18.32	89	-6	95	50	January 27.	August 7.	October 22.	December 17.
1844	26.16	28.94	39.06	42.19	47.13	63.17	70.65	70.03	60.88	48.23	39.38	19.25	15.13	96	-6	102	65	February 1.	July 13.	October 15.	October 15.
1845	23.51	20.81	31.48	49.01	58.97	66.99	69.90	75.09	65.53	49.65	40.09	31.48	18.76	96	-5	95	70	March 1.	August 30.	October 11.	October 18.
1846	19.42	22.17	24.30	37.46	55.92	61.94	69.63	69.30	64.41	44.63	38.01	30.64	14.84	90	-5	95	74	January 21.	July 19.	October 3.	October 15.
1847	25.52	23.47	28.53	37.63	54.28	63.02	64.50	68.92	58.12	51.46	34.15	34.23	15.21	88	-2	90	74	January 19.	August 10.	October 25.	November 6.
1848	20.57	19.26	32.43	38.90	46.32	60.08	65.44	71.17	58.12	51.51	43.43	28.31	14.64	93	-6	99	52	February 16.	July 12.	October 27.	November 10.
Mean.	24.57	24.63	33.47	45.26	54.39	63.56	69.84	68.18	59.44	48.22	47.75	29.54	16.62								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Percent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1827	101	9.5	4	4.2	103	29	55	59	N 77° 32' W	29	105.80	190	175			
1828	76.5	4	3	2	134	38.5	48.5	59.5	N 70° 54' W	32	118.01	192.5	173.5	43	14	6
1829	82.5	6.5	4.5	7	90	58	52	64.5	N 84° 42' W	34	124.59	192.5	172.5	28	16	3
1830	36	11	8	17	85	72.5	67	68.5	N 68° 5 W	41	149.79	138	227	46.5	21	1
1831	48	11	1.5	30	95.5	61.5	28	90.5	N 68° 58' W	31	112.52	201.5	164.5	38	12.5	0
1832	30.5	19	3	56.5	64	58	38.5	95.5	N 69° 15' W	26	96.65	200.5	164.5	33	13.5	2.5
1833	38	13.5	12	44	79.5	48.5	37	92.5	N 64° 34' W	25	93.06	206	159	40	13.5	3.5
1834	20	22	3	46.5	70	58.5	53.5	91.5	N 70° 19' W	31	114.88	195	170	35	19	5.5
1835	24.5	15.5	15.5	64.5	63.5	51.5	37.5	93.5	N 57° 7' W	22	80.94	179	187	50.5	12.5	4
1836	10	16	3.5	43.5	31	90.5	9.5	161	N 86° 17' W	39	142.08	194	171	18	2.5	5
1837	3	18.5	2	13	33	121.5	10.5	163.5	N 89° 47' W	51	187.79	186.5	178.5			
1838	9.5	9	2.5	9.5	82.5	122.5	12.5	117	N 65° 3 W	50	183.34	227	138	10.5	5.5	3.5
1839	69	5	2.5	7.5	136.5	57.5	4.5	83.5	N 61° 22' W	29	105.89	247	119	18	8.5	1
1840	45	2	3	19	104	74.5	22	95.5	S 65° 41' W	37	136.47	171.5	193.5	12	8	
1841	24	7	7.5	17	90.5	106.5	30.5	82	S 56° 57' W	46	166.24	157	208	60	10	10
1842	45.5	16.5	6.5	30	58	61	15	132.5	N 75° 52' W	31	115.98	116	249	25		
1843	28	15	8.5	18	86	94.5	13.5	102.5	S 62° 35' W	37	136.38	134.5	231.5	20.5	17	1.5
1844	36	7	1	27.5	109	78.5	31.5	74.5	S 52° 16' W	40	144.96	174.5	190.5	67	21	5
1845	24	18.5	5	49.5	58	71	18	130	S 86° 32' W	31	113.69	145.5	219.5	59	20	9
1846	25.5	12	2.5	23.5	147	49.5	14	91	S 41° 6' W	36	131.85	136.5	228.5	57	19	5
1847	29.5	10	3.5	31	95	64	12	121	S 70° 6' W	32	117.26	160.5	205.5	61	18	13
1848	38	16		42.5	38	94.5	8.5	127.5	N 89° 21' W	34	124.19	166.5	198.5	64	13	5
Mean.	38.36	12.02	4.66	27.02	84.23	71.00	28.14	99.82	S 71° 52' W	33	121.66	177.81	187.45			
Total.	844	264.5	102.5	749.5	1853	1562	619	2196								

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1827	2.75	1.51	.93	2.27	2.03	4.88	2.76	3.15	2.09	5.78	1.55	4.09	33.79	March.	October.
1828	1.65	1.40	1.84	2.93	3.21	3.31	7.45	4.65	3.46	2.70	1.26	1.05	34.91	December.	July.
1829	2.85	1.77	1.01	1.48	1.94	3.95	4.07	3.45	4.36	2.70	2.30	.66	30.54	December.	September.
1830	1.04	.48	4.02	1.75	4.20	7.83	2.91	1.85	3.25	2.95	3.70	4.40	37.88	February.	June.
1832	1.88	2.5	1.19	1.46	2.37	1.43	3.35	6.75	3.23	2.05	2.66	1.95	31.7	March.	August.
1833	1.48	1.6	1.45	1.65	7.82	1.43	5.61	3.62	2.80	3.43	.79	2.25	34.00	November.	May.
1834	.75	1.38	1.00	1.30	2.82	3.42	2.25	2.35	4.14	2.20	1.18	1.88	24.70	January.	September.
1835	1.77	1.47	1.77	4.68	1.13	6.39	3.12	4.30	2.02	3.65	2.40	1.63	34.33	May.	June.
1836	6.70	3.20	1.28	2.80	3.80	3.02	1.05	2.32	3.20	2.49	.87	.57	31.20	December.	January.
1837	1.05	1.20	2.50	.50	4.55	3.00	3.50	4.55	1.68	3.30	1.80	1.10	31.20	December.	May & August.
1838	1.13	1.78	1.30	.99	1.20	3.00	2.50	2.64	1.70	2.35	2.00	1.15	29.63	April.	June.
1839	2.70	.75	1.60	2.20	5.10	7.16	1.00	3.70	1.80	1.00	2.06	3.15	33.42	March.	May.
1840	3.10	2.55	1.20	2.05	4.70	3.39	3.23	2.49	2.57	4.55	3.45	3.10	37.88	March.	February.
1841	3.45	3.39	1.56	3.26	3.25	1.30	2.09	1.15	1.86	.90	2.49	2.25	28.18	October.	July.
1842	1.25	4.10	3.28	3.32	2.67	3.17	4.43	3.89	4.34	3.97	2.49	2.25	40.83	January.	October.
1843	2.74	2.12	3.9	3.61	5.12	3.49	2.09	3.73	6.14	6.40	6.22	4.22	50.06	July.	March.
1844	2.70	2.12	3.9	4.63	3.51	3.08	2.27	3.01	1.31	3.07	3.79	4.55	39.78	September.	January.
1845	4.72	2.25	1.47	2.61	2.67	1.76	2.89	2.05	4.10	3.66	4.27	1.48	31.42	March.	October.
1846	2.46	1.90	2.28	.92	1.67	2.73	2.27	2.58	4.37	4.40	3.30	3.25	32.13	April.	February.
1847	2.40	2.24	1.72	2.63	1.75	2.10	3.86	3.70	2.50	5.55	3.30	6.21	39.76	March.	December.
1848	1.91	.83	2.44	1.07	6.12	4.03	4.99	3.84	2.77	2.99	3.00	4.74	38.77	February.	May.
1849	4.38	2.52	3.78	.70	4.30	4.30	.95	1.20	5.56	4.79	4.73	3.41	40.71	April.	September.
Mean.	2.50	2.04	2.13	2.22	3.45	3.57	3.13	3.23	3.20	3.35	2.85	2.72	34.52		
Total.															

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1827	27	19	27	11	27	3	10	26	27	1	13	1	31	5	28	6	26	2	26	3	25	14	22	22
1828	5	23	6	12	29	4	28	5	5	7	27	9	22	3	25	18	1	8	10	15	3	17	3	18
1829	6	3	7	12	29	6	19	6	24	10	6	25	14	1	8	26	1	27	25	21	22	24	7	17
1830	3	30	20	6	30	9	30	3	4	25	26	8	21	9	7	26	5	17	2	3	9	26	3	22
1832	19	27	2	24	25	18	13	5	14	4	16	4	1	13	14	25	19	13	10	28	4	20	31	22
1833	4	11	17	24	21	2	29	14	18	2	23	9	13	31	21	29	4	22	16	30	11	4	5	14
1834	17	24	22	12	20	22	16	27	23	14	8	2	26	29	10	27	4	29	1	29	4	16	1	14
1835	30	7	22	3	26	3	11	17	28	8	10	21	24	8	13	31	5	29	18	7	4	29	26	16
1836	6	28	23	2	31	2	26	11	16	13	10	13	8	26	28	9	19	28	1	25	11	25	9	27
1837	30	2	20	13	13	1	29	9	14	1	30	17	14	16	2	51	10	23	22	28	20	24	1	20
1838	17	31	8	17	23	1	28	11	19	1	11	7	9	21	5	22	25	2	2	27	4	25	1	27
1839	11	23	26	9	27	3	5	25	24	4	8	1	30	5	23	18	7	27	9	20	14	26	7	31
1840	27	16	18	1	1	10	24	1	31	18	30	21	4	12	1	29	12	27	7	27	8	27	10	16
1841	7	18	25	12	14	11	28	2	28	19	28	11	12	10	23	24	9	30	30	25	1	30	14	22
1842	19	5	6	17	5	26	16	1	17	20	19	10	17	15	26	31	1	18	1	26	13	29	3	22
1843	20	26	4	17	27	7	25	28	31	3	16	7	19	10	13	1	22	13	6	19	3	30	17	13
1844	23	27	26	9	11	21	7	1	24	3	30	3	23	11	7	19	1	24	4	31	7	30	7	25
1845	28	31	21	1	31	20	24	8	12	15	3	13	13	3	2	24	1	11	28	21	18	29	29	12
1846	31	22	3	26	13	1	24	12	28	11	27	21	10	15	30	11	7	9	7	18	9	26	27	23
1847	15	21	2	5	24	17	26	1	11	3	27	15	19	26	15	12	19	30	18	26	3	29	10	21
1848	1	10	20	11	8	15	8	24	29	1	17	1	25	31	10	18	1	22	16	23	24	10	19	21
1849	23	10	23	16	26	4	7	14	31	7	20	5	12	1	6	31	23	8	13	21	1	29	3	28

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1827	42	— 5	48	4	70	8	74	30	84	35	87	42	90	57	90	10	84	43	66	32	52	23	57	8
1828	55	— 4	57	6	78	8	57	29	76	41	94	50	87	58	88	55	78	48	72	31	64	23	58	14
1829	42	— 5	46	2	62	8	72	29	88	35	91	51	86	51	88	47	82	36	72	31	54	19	63	12
1830	42	— 4	49	0	66	10	82	29	80	31	90	44	96	47	94	42	81	30	80	30	62	32	55	2
1832	37	— 7	50	— 6	68	4	78	17	78	30	86	46	89	52	86	48	80	42	72	21	62	20	45	16
1833	62	— 7	48	0	70	— 2	80	26	80	37	80	45	87	53	83	47	80	40	71	27	64	25	46	10
1834	48	— 2	60	10	62	14	75	29	81	24	81	41	92	50	88	47	83	34	72	28	56	18	50	10
1835	50	— 6	49	0	53	1	70	16	79	34	86	47	84	49	84	44	80	35	75	35	64	15	45	— 5
1836	42	— 5	42	— 13	48	6	70	22	79	34	84	44	86	51	80	45	85	33	68	24	58	16	47	4
1837	38	— 2	42	0	54	0	68	24	74	20	80	50	82	54	84	48	77	40	73	24	66	19	50	2
1838	54	— 1	40	— 3	58	— 4	54	20	78	34	84	50	89	50	84	52	78	46	70	26	33	9	40	8
1839	48	— 4	48	— 10	54	6	75	28	74	14	77	46	84	60	80	52	78	36	72	24	48	16	45	6
1840	40	— 14	56	— 2	56	19	76	26	82	42	85	48	87	64	80	50	78	44	74	26	50	24	45	10
1841	52	— 2	42	— 14	50	14	58	28	74	38	78	48	88	60	84	53	78	45	62	30	68	14	38	0
1842	50	— 2	54	10	64	28	78	34	78	40	84	28	86	60	84	50	85	48	70	32	42	14	45	18
1843	50	— 10	32	— 10	50	— 4	70	30	71	30	82	40	91	58	82	49	75	38	56	38	54	18	46	12
1844	40	— 6	46	0	60	10	83	40	78	45	79	48	89	58	89	54	86	40	70	28	50	30	50	14
1845	48	0	64	— 4	78	12	84	24	88	28	92	40	96	45	92	52	84	47	76	22	66	20	42	— 6
1846	42	— 2	42	— 4	58	— 6	72	24	86	30	87	42	96	52	90	52	86	46	78	22	62	18	56	10
1847	50	4	44	— 5	48	10	76	6	76	29	84	42	89	44	90	52	82	50	66	18	70	0	54	2
1848	48	— 2	42	— 2	72	— 2	62	26	84	36	88	36	82	48	88	54	80	38	68	34	50	18	54	12
1849	48	— 4	42	— 6	48	10	70	18	74	34	88	42	93	46	88	52	78	44	74	23	54	34	46	6
Highest.	62		64		78		84		88		94		96		94		86		80		70		63	
Lowest.		— 14		— 14		— 6		6		14		36		44		42		30		18		0		— 6
Range.		76		78		84		78		74		58		52		52		56		62		70		69

SUMMARY OF OBSERVATIONS AT BRIDGEWATER ACADEMY,

BRIDGEWATER, ONEIDA COUNTY, N. Y., DURING FOUR YEARS.

Latitude N. 42° 55'; Longitude W. 75° 17'. Elevation 1,286 feet above tide. In the valley of the west branch of the Unadilla river.

OBSERVERS.

1833, J. F. TROWBRIDGE, Trustee, and U. WHIFFEN, Principal.

1834, U. WHIFFEN and HIRAM WHEELER, Principals.

1835, (ex. clear and cloudy days,) HIRAM WHEELER and THOS. I. KUGER, Teachers.

1837, HENRY O. SOUTHWORTH, Principal.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]							WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1833	31,41	29,91	64	-14	78	,5		1		18,5	,5	3,5	7	6	25	2	4,5		2,75
1834	16,64	20,16	48	-10	58	,5		,5	2	4	6	13,5	4,5	13,5	17,5	2,5	6		4,19
1835	10,04	30,53	54	-31	85	1		1	1,5	7	4	9,5	7			2,5	1,5	1,5	4,10
1837	12,66	17,78	40	-12	52			,5		8,5	6	8	8	6	25		6		5,99
Mean.	17,69	24,59				,50		,75	,88	9,50	4,12	8,62	6,63	8,50	22,50				4,26
Total.						2		3	3,5	38	16,5	34,5	26,5	25,5	67,5				17,03
FEBRUARY.																			
1833	14,90	21,77	46	-16	62	2				10		8,5	7,5	10	18	,5	7		2,24
1834	27,82	33,63	58	-6	64			1	,5	13,5	3,5	3,5	6	16	12	3,5	2,5	,5	1,26
1835	10,86	25,74	48	-18	66			,5	3	7	8	8,5	1			1	4		5,01
1837	18,39	21,90	44	-18	62	3,5	1,5		,5	11,5	3	3,5	4,5	7,5	20,5	1,5	5		2,87
Mean.	17,99	25,76				1,38	,37	,38	1,00	10,50	3,62	6,00	4,75	11,16	16,86				2,84
Total.						5,5	1,5	1,5	4	42	14,5	24	19	33,5	50,5				11,38
MARCH.																			
1833	31,57	37,47	66	5	61	4				16,5		3,5	7	18	13	2	4,5		3,37
1834	32,35	30,21	58	1	57	,5	,5	2	1	11	1,5	9	5,5	19,5	11,5	1	4,5	1	1,98
1835	26,67	32,80	55	-10	65	1	,5	1,5	3,5	4	4,5	12	4				4,5	1	4,96
1837	26,99	31,08	48	-16	64	,5	1	1,5		10	2,5	6,5	9	11	20	2,5	2,5		1,72
Mean.	29,39	32,89				1,50	,50	1,25	1,12	10,38	2,12	7,75	6,38	16,16	14,83				3,01
Total.						6	2	5	4,5	41,5	8,5	31	25,5	48,5	48,5				12,03

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1833	45,10	50,44	83	15	68			,5	1	6,5	2,5	13,5	6	21	9	4	,5		,72
1834	43,37	41,09	78	18	60	4,5	,5	7	2	3,5	2,5	5,5	4,5	15	15	4,5	2		2,63
1835	42,35	36,52	75	21	54		,5	3,5	3,5	5,5	2,5	14	,5			2,5	3,5	2,5	11,31
1837	38,95	40,60	62	20	42	2		,5		4,5	2,5	13,5	7	11,5	18,5	1	1,5		2,40
Mean	42,44	42,16				1,62	,25	2,88	1,62	5,00	2,50	11,63	4,50	15,83	14,16				4,26
Total.						6,5	1	11,5	6,5	20	10	46,5	18	47,5	42,5				17,06
MAY.																			
1833	54,17	56,59	88	36	52	1	1,5	5	4,5	5,5	1,5	9,5	2,5	11	20	8,5			6,34
1834	41,36	60,08	84	17	67	1,5	1	5	2,5	5,5	2	12	1,5	15	16	6,5	1,5		2,16
1835	47,24	58,64	89	32	57	,5		2,5	,5	5	4	16,5	2			3			2,49
1837	53,12	52,71	80	26	54	,5	,5	1,5		13	4	9,5	2	11,5	19,5	4	,5		2,28
Mean	48,99	57,00				,87	,75	3,50	1,87	7,25	2,87	11,87	2,00	12,50	18,50				3,32
Total.						3,5	3	14	7,5	29	11,5	47,5	8	37,5	55,5				13,27
JUNE.																			
1833	56,17	58,77	84	30	54	1			2,5	6,5	5,5	11	3,5	14	16	4			3,42
1834	50,49	60,40	84	32	52				2	8	7	7,5	5,5	17	13	7,5			3,50
1835	65,91	58,19	93	38	55	,5		1	1,5	9	4	13	1			5			8,69
1837	65,70	61,04	85	46	39	4,5	3	1		5,5	5	8,5	2,5	14,5	15,5	4,5			5,85
Mean	59,57	59,60				1,50	,75	,50	1,50	7,25	5,37	10,00	3,12	15,16	14,83				5,12
Total.						6	3	2	6	29	21,5	40	12,5	45,5	44,5				20,46
JULY.																			
1833	60,86	67,79	91	43	48			1	1,5	2,5	6,5	15	4,5	21,5	9,5	5,5			7,16
1834	68,10	66,90	94	38	56			1,5		6	6	15	2,5	21	10	1,5			3,27
1835	64,97	67,20	90	40	50			,5	1	7,5	6,5	15	,5			6			4,70
1837	64,10	63,48	86	44	42	,5			,5	9	4,5	13,5	3	13,5	17,5	3			4,14
Mean	64,51	66,34				,12		,75	,50	6,25	5,87	14,62	2,62	18,66	12,34				4,82
Total.						,5		3	2	25	23,5	58,5	10,5	56	37				19,27
AUGUST.																			
1833	64,42	60,31	85	42	43					2	6	16,5	6,5	17,5	13,5	5,5			2,48
1834	69,21	57,86	93	33	60	1,5				9	3	13	4,5	17	14	1,5			2,26
1835	62,33	61,43	88	33	55	1				9,5	7,5	11	1			5,5			4,38
1837	66,10	61,59	88	40	48		,5		1	8	8,5	7,5	5,5	14	17	3			1,86
Mean	65,51	61,05				6,25	,12		,50	7,12	6,25	12,00	4,37	16,16	14,83				2,74
Total.						2,5	,5		2	28,5	25	48	17,5	48,5	44,5				10,98

SEPTEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1833	54,38	57,08	84	28	56			,5	1	2,5	5	13,5	7,5	21	9	5			3,09
1834	59,09	54,89	88	21	67					14,5	7,5	8		11	19	3			4,42
1835	54,93	48,18	86	27	59	,5			2,5	7	9,5	8	2,5			2,5		,5	1,31
1837	59,33	54,64	76	34	42	,5		1	1	17	2,5	7,5	,5	16	14	2,5			1,40
Mean.	56,93	53,70				,25		,37	1,12	10,25	6,12	9,25	2,62	16,00	14,00				2,55
Total.						1		1,5	4,5	41	24,5	37	10,5	48	42				10,22
OCTOBER.																			
1833	46,18	38,36	68	21	47		1	2,5	3,5	8	3	10,5	2,5	6	25	5,5	3,5		4,70
1834	46,57	38,68	74	17	57		,5	1		11,5	7	6,5	4,5	10,5	20,5	4,5	1		3,01
1835	45,83	52,35	75	24	51				2	10,5	9	8	1,5			2			5,15
1837	44,24	44,97	76	18	58	4	,5			8,5	3	3	12	13	18	5			4,61
Mean.	45,70	43,59				1,00	,50	,87	1,37	9,62	5,50	7,00	5,25	9,82	21,16				4,37
Total.						4	2	3,5	5,5	38,5	22	28	21	29,5	63,5				17,47
NOVEMBER.																			
1833	37,33	26,72	62	4	58			1	1	11,5	4	11	1,5	8,5	21,5	,5	3,5		1,45
1834	33,59	28,80	52	5	47	,5	,5	1,5	2	7	3,5	6	9	7,5	22,5	4	2,5		2,79
1835	39,05	27,96	58	—	462		,5		2,5	7,5	9,5	7,5	2,5			2	2		2,20
1837	39,08	38,86	68	16	52	3,5			,5	9	3	8	6	9,5	20,5	2	1,5		2,05
Mean.	37,26	30,58				1,00	,25	,62	1,50	8,75	5,00	8,12	4,75	8,50	21,50				2,12
Total.						4	1	2,5	6	35	20	32,5	19	25,5	64,5				8,49
DECEMBER.																			
1833	24,46	30,44	46	—	854	1	3	7	3,5	2	1,5	7	6	10	21	,5	5,5	,5	5,15
1834	25,96	18,85	44	—	1660		,5	2	,5	4,5	11	7,5	5	5,5	25,5	2	4		8,65
1835	16,49	21,56	45	—	2368			1	1	6	6	15	2			2	9	,5	1,66
1837	29,01	22,66	52	—	1062	1,5	1	,5	,5	7,5	3	8,5	8,5	7,5	23,5	1,5	5		1,95
Mean.	23,98	23,38				,62	1,12	2,62	1,37	5,00	5,37	9,50	5,37	7,66	23,33				4,35
Total.						2,5	4,5	10,5	5,5	20	21,5	38	21,5	23	70				17,41

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gauge, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gauge, Monthly mean.	
	First Half.	Seco'd Half.																					
January, --	17.69	21.59	64	- 31	95	.50		.75	.87	9.50	4.12	8.62	6.62	S 61° 35' W	56	16.79						4.26	17.03
February, --	17.99	25.76	58	- 17	76	1.37	.87	.87	1.00	10.50	3.62	6.00	4.75	4 56 19' W	46	13.75	11.16	16.86				2.54	11.38
March, ----	29.39	32.89	66	- 16	82	1.50	.60	1.25	1.12	10.37	2.12	7.75	6.33	4 61 01' W	43	13.00	16.16	14.33				3.01	12.33
April, ----	42.44	42.16	82	15	67	1.62	.25	2.87	1.62	5.00	2.50	11.62	4.50	4 76 35' W	42	12.72	15.83	11.06				4.26	17.06
May, ----	48.99	57.00	89	17	72	1.87	.75	3.50	1.87	7.25	2.87	11.87	2.00	4 56 11' W	46	13.82	12.50	18.50				3.32	13.27
June, ----	59.57	59.60	93	30	63	1.50	.75	5.00	1.50	7.25	5.31	10.00	3.12	4 60 31' W	53	15.39	15.16	14.83				5.12	20.46
July, ----	64.51	66.34	94	32	66	.32	.75	5.00	1.50	6.25	5.87	14.62	2.62	4 68 22' W	73	21.81	18.66	12.34				4.82	19.27
August, ---	65.51	61.65	93	33	60	6.25	.12	.37	7.12	6.25	12.00	4.33	4 42 39' W	64	19.23	16.16	14.83				2.74	10.35	
September, --	56.93	53.70	88	21	67	.25	.37	1.12	10.25	6.12	9.25	2.62	4 47 05' W	63	19.47	16.00	14.00				2.55	10.22	
October, ---	45.70	43.59	76	17	59	1.00	.87	1.37	9.00	5.50	7.00	5.12	5 52 51' W	52	15.56	9.83	21.16				4.37	17.45	
November, ---	37.26	30.58	68	4	72	1.00	.25	.62	1.50	8.75	5.00	5.12	4.75	5 56 12' W	53	15.84	9.50	21.50				2.12	8.49
December, ---	23.95	23.38	52	- 23	75	.62	1.12	2.62	1.37	5.00	5.37	9.50	5.37	5 70 17' W	45	13.51	7.60	23.33				4.35	17.41
Mean. ----	42.49	43.39				1.38	.87	1.20	1.19	8.07	4.56	9.70	4.33	S 61° 35' W	52	15.5	13.01	17.40				3.45	14.59

Highest degree, July 9, 1834, - - - - - 94°
 Lowest degree, January 7, 1835, - - - - - -31
 Extreme range in 4 years, - - - - - 125
 Greatest monthly range in March.
 Least monthly range in July.

Mean monthly range, 70½°.
 Dryest month, November.
 Wettest month, June.
 Total fall of rain and snow in 4 years, 14 feet 7.07 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. run.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1833	23.66	18.33	29.52	47.72	55.98	57.47	69.32	62.36	55.73	42.27	32.02	27.45	43.85	91	-16	107	75	February 1,	July 23,	September 7,	October 20,
1834	18.40	30.72	31.23	42.23	50.71	55.44	67.50	63.53	57.39	42.67	31.19	22.40	42.79	94	-16	110	57	December 14,	July 9,	September 30,	October 25,
1835	20.2	18.30	29.73	39.43	52.94	62.05	65.93	61.88	51.55	39.09	23.50	19.02	41.11	83	-31	121	85	December 16,	June 11,	August 4,	November 12,
1837	15.22	20.14	29.03	39.77	52.91	63.37	63.79	63.84	56.98	44.60	38.97	25.89	42.87	85	-18	106	64	February 13,	June 30,	September 2,	October 13.
Mean.	20.60	21.87	29.88	42.29	52.98	59.58	66.63	62.90	55.44	44.66	31.42	23.67	42.66								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1833	9,5	5,5	18,5	18,5	92	36	123	62	S 42° 8' W	27	98,88	164,5	200,5	43,5	29	5
1834	9	3,5	21,5	12,5	98	60,5	107	53	S 56 54 W	50	184,35	168,5	196,5	42	24	1
1835	4,5	1,5	11,5	23,5	85,5	75	138	25,5	S 46 21 W	52	190,57			34	24,5	6
1837	21	8	6,5	4	112	47,5	97,5	68,5	S 65 58 W	49	180,15	135,5	229,5	30,5	22	0
Mean.	11,00	4,62	14,50	14,62	96,87	54,75	116,37	52,25	S 59° 59' W	52	189,22	156,16	208,83			
Total.	44	18,5	58	58,5	387,5	219	465,5	209				468,5	626,5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year	Wettest month in the year
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1833	2.75	2.24	3.37	2.72	6.34	3.42	7.16	2.45	3.09	4.70	1.45	5.15	42.87	April. February. September. September.	July. December. April. January.
1834	4.19	1.26	1.93	2.63	2.16	3.50	3.27	2.26	4.42	3.01	2.79	8.65	40.12		
1835	4.10	5.01	4.96	11.31	2.49	8.69	4.70	4.33	1.31	5.15	2.20	1.66	55.96		
1837	5.99	2.37	1.72	2.40	2.23	5.85	4.14	1.86	1.40	4.61	2.05	1.95	37.12		
Mean.	4.26	2.84	3.01	4.26	3.47	5.86	4.82	2.74	2.55	4.37	2.12	4.35	44.02		
Total.	17.03	11.38	12.03	17.06	13.57	21.46	19.27	10.98	10.22	17.47	8.49	17.41	176.07		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1833	4	19	18	1	20	2	29	14	18	2	30	10	23	5	22	29	14	13	17	30	8	20	25	12
1834	17	23	22	12	19	3	14	27	22	15	23	3	9	11	12	27	4	29	1	15	10	15	8	14
1835	26	7	22	4	26	3	12	17	28	14	11	21	13	1	13	4	6	30	18	8	9	29	26	16
1837	31	2	7	13	13	3	29	4	31	1	30	17	14	25	2	31	10	21	23	29	21	25	2	22

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1833	64	-14	46	-16	66	5	83	15	88	36	84	30	91	43	85	42	84	28	68	21	62	4	46	-8
1834	48	-10	58	-6	58	1	78	18	84	17	84	32	94	38	93	33	88	21	74	17	52	5	44	-16
1835	54	-31	48	-18	55	-10	75	21	89	32	93	38	90	40	88	33	86	27	75	24	58	-4	45	-23
1837	40	-12	44	-18	48	-16	62	20	80	26	85	46	86	44	88	40	76	34	76	18	68	16	52	-10
Highest	64		58		66		83		89		93		94		93		88		76		68		52	
Lowest.		-14		-18		-16		15		17		30		38		33		21		17		-4		-23
Range.		78		76		82		68		72		63		56		60		67		59		72		75

SUMMARY OF OBSERVATIONS AT BUFFALO LITERARY AND SCIENTIFIC ACADEMY,

BUFFALO, ERIE COUNTY, N. Y., DURING TWO YEARS.

Latitude N. 42° 53'; Longitude W. 78° 58'. Elevation above Lake Erie, 64 feet; above tide, 623 feet by canal survey.

OBSERVERS.

1831, (ex. rain gage.) ELLIOT and GEORGE BURWELL.

1832, THEODOTUS BURWELL, Principal.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1831	22,72	21,76	38	5	33			4,5	3	4,5	13	5	1	8,5	22,5		5		
1832	26,33	22,81	48	—10	58	1	,5		2,5	2,5	16,5	4,5	3,5	15,5	15,5	1	5		1,74
Mean.	24,52	22,33				,50	,25	2,75	2,75	8,50	14,75	4,75	2,25	12,00	19,00				1,74
FEBRUARY.																			
1831	17,22	26,07	46	0	46		2	10	2		4,5	9,5		10	18		5		
1832	23,91	17,33	44	—22	66		6,5	4	1		9,5	5,5	2,5	5	24	4	5,5		3,43
Mean.	20,57	21,70					4,25	7,00	1,50		7,00	7,50	1,25	7,50	21				3,43
MARCH.																			
1831	35,65	40,82	56	18	38		1,5	4	2	2,5	16,5	3,5	1	7,5	23,5	3	,5		
1832	33,18	32,31	70	—	272		3	1	2,5	3	12,5	4,5	4,5	20	11	1	1,5		1,26
Mean.	34,40	36,56					2,25	2,50	2,25	2,75	14,50	4,00	2,75	13,75	17,25				1,26
APRIL.																			
1831	39,94	47,15	72	30	42	1,5	5	1,5	1,5	1,5	15,5	1,5	2	16	14	3,5	1		
1832	35,52	40,17	71	14	57		12	1	,5		10	2,5	4	18,5	11,5	2,5	1	,5	1,21
Mean.	37,74	43,66				,75	8,50	1,25	1,00	,75	12,75	2,00	3,00	17,25	12,75				1,21

MAY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1831	51,85	61,21	80	35	45		5,5	,5	2,5	2,5	16,5	2	1,5	22	9	3,5	,5		
1832	53,44	54,65	88	27	61	1	3,5	7	,5	,5	11	2	5,5	19	12	3			1,64
Mean.	52,64	57,93				,50	4,50	3,75	1,50	1,50	13,75	2,00	3,50	20,50	10,50				1,64

JUNE.

1831	75,01	70,66	89	55	34		7		3,5	2,5	10	1	6	22	8	2,5			
1832	59,98	64,15	84	42	42	,5	4	6,5	2	4,5	9	,5	3	13	17	1,5			1,60
Mean.	67,49	67,40				,25	5,50	3,25	2,75	3,50	9,50	,75	4,50	17,50	12,50				1,60

JULY.

1831	73,38	74,04	88	57	31		3,5	2,5	1,5	1,5	17	1	4	21,5	9,5	2,5			
1832	70,15	68,62	92	41	51	1,5	1	2	6	4	9	4,5	3	18	13	6			1,10
Mean.	71,76	71,33				,75	2,25	2,25	3,75	2,75	8,00	2,75	3,50	19,75	11,25				1,10

AUGUST.

1831	72,45	71,45	89	54	45	1,5	8		,5		14	1	4,5	20	11	2			
1832	70,46	65,60	88	37	51	1,5	3	7	3	3	10	2	1,5	21	10	3,5			2,19
Mean.	71,45	68,52				1,50	5,50	3,50	1,75	1,50	12,00	1,50	3,00	20,50	10,50				2,19

SEPTEMBER.

1831	65,39	56,47	81	38	43	2	2,5		5	2	11	3,5	4	10	20	4			
1832	57,16	60,55	86	34	52		3	5,5	6	1	12	2	,5	14,5	15,5	4			3,41
Mean.	61,27	57,51				1,00	2,75	2,75	5,50	1,50	11,50	2,75	2,25	12,25	17,75				3,41

OCTOBER.

1831	53,10	43,56	70	26	44	1,5	5		4,5	5	8,5	3	3,5	19	12	5,5			
1832	50,72	47,62	73	23	50		6	2,5	4		12	,5	6	19,5	11,5	4,5			4,03
Mean.	51,91	45,59				,75	5,50	1,25	4,25	2,50	10,25	1,75	4,75	19,25	11,75				4,03

NOVEMBER.

1831	41,35	32,35	62	12	50	2			1	5	12	7,5	2,5	12	18	5,5	4,5		
1832	38,96	36,20	58	16	42	,5	5	1	4,5		13,5	2	3,5	11	19	4,5	1		3,41
Mean.	40,15	34,27				1,25	2,50	,50	2,75	2,50	12,75	4,75	3,00	11,50	18,50				3,41

DECEMBER.

1831	11,76	17,36	36	2	34	2	2		6	4,5	9,5	4,5	2,5	6,5	24,5		9,5		
1832	33,65	28,63	48	6	42		7	,5	3	2,5	10,5	2,5	5	9,5	21,5	4,5	3		2,25
Mean.	22,70	22,99				1,00	4,50	,25	4,50	2,50	10,00	3,50	3,75	8,00	23,00				2,25

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.						WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Whole month.	Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.	
	First Half.	Seco'd Half.																						
January, --	24.52	22.33	23.40	45	-10	58	.50	.25	2.75	2.75	3.50	14.75	4.75	2.25	S 64° 34' W	52	15.60	12.00	19.00				1.74	
February, --	20.57	21.70	21.13	46	-22	69		4.25	7.00	1.50		7.00	7.50	1.25	S 45° 48' W	50	11.76	7.50	21.00				3.43	
March, ---	34.40	36.56	35.48	70	-2	72		2.25	2.50	2.25	2.75	14.50	4.00	2.75	S 43° 19' W	51	15.20	13.75	17.25				1.26	
April, ----	37.74	43.66	40.70	72	14	68	.75	8.50	1.25	1.00	.75	12.75	2.00	3.00	S 72° 48' W	17	5.28	17.25	12.75				1.21	
May, -----	52.64	57.93	55.26	83	27	61	.50	4.50	3.75	1.50	1.50	13.75	2.00	3.50	S 45° 19' W	29	8.72	20.50	10.50				1.64	
June, -----	67.49	67.40	67.44	89	42	47	.25	5.50	8.25	2.75	3.50	9.50	.75	4.50	S 23° 41' W	14	4.11	17.50	12.50				1.61	
July, -----	71.16	71.33	71.54	92	41	51	.75	2.25	2.25	3.75	2.75	8.00	2.75	3.50	S 85° 02' W	25	7.65	19.75	11.25				1.10	
August, ----	71.45	68.52	69.99	89	37	52	1.50	5.50	3.50	1.75	1.50	12.00	1.50	3.00	S 68° 57' W	23	8.35	20.50	10.50				2.19	
September, --	61.27	67.51	69.89	86	34	52	1.00	2.75	2.75	5.50	1.50	11.50	2.75	2.25	S 28° 51' W	32	9.79	12.25	17.75				3.41	
October, ---	51.91	45.59	48.75	73	28	60	.75	5.50	1.25	4.25	10.25	1.75	4.75	11.75	S 76° 02' W	21	6.33	19.25	11.75				4.03	
November, --	40.15	34.24	37.21	62	12	50	1.25	2.50	.50	2.75	2.50	12.75	4.75	3.00	S 55° 39' W	47	14.14	11.50	13.50				3.41	
December, --	22.70	22.99	22.85	48	2	46	1.00	4.50	.25	4.50	2.50	10.00	3.50	3.75	S 48° 04' W	29	8.88	8.00	23.00				2.25	
Mean, ----	46.38	45.81	46.14				.69	4.02	2.58	2.85	2.75	10.69	3.42	3.71	S 45° 22' W	29	8.71	14.98	15.48				2.27	

Highest degree, July 7, 1882, - - - - - 92°

Lowest degree, February 24, 1882, - - - - - -22

Extreme range in 2 years, - - - - - 114

Mean monthly range, 55.4°.

Total fall of rain and snow in 1882, 27.27 inches.

Mean results of winds:—North, 8.25; Northeast, 48.23; East, 25.75; Southeast, 34.25; South, 26.75; Southwest, 141.75; West, 89; Northwest, 37.5.

Mean direction of wind:—S 44° 34' W; Per cent, 32; Days, 115.39.

Weather:—Days clear, 181; Days cloudy, 184.5; Days rain, 36; Days snow, 20.

SUMMARY OF OBSERVATIONS AT CAMBRIDGE WASHINGTON ACADEMY,

CAMBRIDGE, WASHINGTON COUNTY, N. Y., DURING 14 YEARS.

Latitude N. 43° 01'; Longitude W. 73° 23'. On the Hoosic river, an eastern branch of the Hudson.

OBSERVERS.

<p>1827, MATTHEW STEVENSON, M. D. 1828, Rev. N. S. PRIME, Principal and MATTHEW STEVENSON, M. D. 1829, Rev. NATHAN S. PRIME, Principal. 1830, Rev. N. S. PRIME and J. MONTEITH, Principals, and MATTHEW STEVENSON, M. D. 1831, JOHN MONTEITH, Principal, and MATTHEW STEVENSON, M. D.</p>	<p>1832, WILLIAM D. BEATTIE, Principal, and MATTHEW STEVENSON, M. D. 1833, MATTHEW STEVENSON, M. D. 1834 to 1838, WILLIAM D. BEATTIE, Principal. 1839, WILLIAM D. BEATTIE and ADDISON LYMAN, Principals. 1841, (ex. rain gage,) ADDISON LYMAN, E. H. NEWTON and RUSSELL M. WRIGHT.</p>
---	--

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	17,66	11,14	39	—32	71	5	1		,5	5,5	5	6	8	13,5	17,5	1	8		6,43
1828	35,79	22,93	52	—13	65	4,5	1		,5	6,5	8	3	7,5	8,5	22,5	3	3		2,49
1829	18,26	25,91	49	—25	74	2,5	2,5	,5	1	6,5	6,5	3,5	8	11,5	19,5	2	3	1	4,10
1830	27,25	20,21	44	—24	68	3,5				5,5	11	2,5	8,5	17	14	2	6	3	1,90
1831	25,03	16,00	60	—12	72	11,5	1			9	2,5	2	5	15	16	1	4,5	,5	1,90
1832	23,41	23,75	49	—19	68	8,5				14,5	3,5	2	2,5	10,5	20,5	2,5	5		4,17
1833	30,82	25,28	59	— 8	67	10				13,5	5	1	1,5	12	19	2,5	1,5		1,94
1834	21,22	20,40	45	— 4	49	8	,5			7	4	5,5	6	15	16	2	1,5	,5	1,41
1835	6,54	32,45	53	—36	89	10		,5	,5	5	7	3	5	16	15	3	1,5	1,5	4,25
1836	27,63	16,21	47	—26	73	12				2,5	5	9,5	2	10	21	,5	6,5	2	6,88
1837	10,06	14,45	44	—26	70	13	3	1		5,5	4,5	3	1	16,5	14,5		5		2,70
1838	34,76	25,37	54	—15	69	9	,5			10	5	4	2,5	11	20	2,5	2	1,5	3,05
1839	24,89	17,36	52	—30	82	11	,5		1,5	7,5	4	4,5	2	14,5	16,5	2	2,5		2,47
1841	24,18	29,02	53	—17	70	3,5	2,5			3	11,5	2	8,5	9,5	21,5	2	4		
Mean.	23,39	21,46				8,00	,89	,14	,29	7,25	5,89	3,68	4,86	12,86	18,14				3,36
Total.						112	12,5	2	4	101,5	82,5	51,5	68	180,5	253,5				43,69

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	18,28	31,04	44	-22	66	1	,5		1,5	6	11	3	5	11	17	1	2	1	2,97
1828	33,84	32,88	53	5	48	2	,5		1	9,5	9	1	6	11	18	3	2	1	2,00
1829	17,89	17,25	43	-19	62	2,5	,5		1	2	9,5	5,5	7	13	15		3		2,25
1830	12,69	24,94	60	-25	85	8				2	8,5	2,5	7	17,5	10,5	1	3		2,00
1831	16,54	22,95	41	-10	51	7				9		9	3	15	13	1	3	,5	2,65
1832	26,14	20,88	48	-21	69	12,5	,5			10,5	1	4	,5	9	20	2,5	6		4,16
1833	14,54	22,45	49	-18	67	12,5			,5	10,5	1,5	2	1	13	15	,5	4,5	,5	1,93
1834	27,00	38,12	55	-16	71	6	1			6	6	3	6	12,5	15,5	2	1		1,70
1835	12,38	25,65	45	-13	58	8	2,5	1,5		1	4,5	4,5	6	12,5	15,5	,5	4,5		2,15
1836	9,82	17,45	53	-32	85	15,5	,5			2,5	5,5	3,5	1,5	12,5	16,5	1	7		4,15
1837	20,10	22,33	46	-16	62	10,5	3			1	6,5	4	3	11,5	16,5	1,5	4		3,63
1838	17,00	9,22	47	-19	66	8,5	1,5		1	6,5	1,5	5,5	3,5	11,5	16,5		4		2,55
1839	17,68	32,69	45	-10	55	12				8	2,5	5	,5	8,5	19,5	1,5	1,5	,5	1,88
1841	16,75	22,24	50	-16	66	3	1,5			2	13	2,5	6	15	13		3		
Mean.	18,62	24,29				7,78	,86	,11	,36	5,46	5,71	3,93	4,00	12,39	15,82				2,61
Total.						109	12	1,5	5	76,5	80	55	56	17,35	221,5				34,02

MARCH.

1827	29,34	39,58	66	-5	71	1,5	,5			9	8,5	3,5	8,5	15	16	3	2		2,61
1828	32,31	41,19	74	10	64	6,5			1	4	11	,5	8	11	20	2	2	1	1,30
1829	30,41	29,69	60	5	55	,5				5	6,5	4,5	14,5	14,5	16,5	1	1	1	2,40
1830	31,46	37,58	64	10	54	8				3,5	9,5	1,5	8,5	18,5	12,5	5		1	2,29
1831	38,08	39,56	64	13	51	5				14,5	6	4,5	1	9	22	6	2	,5	3,60
1832	33,19	33,24	68	-10	78	8,5			,5	16,5	3,5	,5	1,5	15	16	3	3		3,67
1833	20,11	37,41	63	-17	80	13,5	1	,5	,5	12	1	2,5		18,5	12,5	2,5	2,5		2,09
1834	34,81	34,85	65	6	59	9	,5			8,5	6	3	4	17	14	3	2,5		2,43
1835	27,03	33,92	56	-3	59	10	2,5			1	3,5	7	7	15	16		2,5		2,20
1836	22,79	29,78	57	-6	63	12,5				1	5,5	8	4	15	16	2,5	2		,96
1837	24,01	34,83	58	-20	78	12				7	5	5	2	16	15	5,5	1	1	2,30
1838	32,22	37,26	57	-8	65	9,5	1	,5	,5	2	11	4,5	2	18	13	,5	4	,5	,75
1839	27,09	37,41	59	-12	71	15,5	1			7,5	1,5	1,5	4	19,5	11,5	2,5	,5		,95
1841	28,39	38,28	60	-9	69	6,5	1,5		1	,5	8,5	2	11	16	15	3	4		
Mean.	29,37	36,04				8,56	,57	,07	,25	6,58	6,21	3,46	5,42	15,57	15,43				2,12
Total.						118,5	8	1	3,5	92	87	48,5	76	218	216				27,55

APRIL.

1827	51,69	44,98	70	29	41	1,5			2,5	7	8,5	2,5	8	13,5	16,5	8	1		7,24
1828	37,19	46,24	69	23	46	7,5		,5	2,5	1	8,5	1,5	8,5	18,5	11,5	3	2	3	1,77
1829	41,36	49,40	75	27	48				1,5	7	9	3	9,5	10	20	5		1	4,85
1830	45,77	53,62	79	25	54	11	1,5		3	,5	12	,5	1,5	20,5	9,5	4			1,24
1831	43,14	50,50	74	27	47	12,5				10		3	4,5	12,5	17,5	7	1		3,20
1832	38,19	44,73	75	16	59	18				4,5	5	2	,5	16,5	13,5	5,5		1	4,00
1833	46,49	49,21	85	19	66	10	,5			12,5	,5	4,5	2	19,5	10,5	1,5		,5	1,35
1834	48,68	45,61	82	20	62	3	2,5		1	12	4,5	4	3	16,5	13,5	5	1		2,58
1835	43,42	40,61	67	17	50	6,5	3,5	,5		,5	7,5	7,5	4	13,5	16,5	5		2	1,95
1836	34,89	45,87	76	12	64	8,5			1	7,5	3	7	3	17	13	3	2,5	,5	2,08
1837	39,54	43,12	75	24	51	7	1	,5		2,5	5,5	10	3,5	18	12	2	1,5	,5	2,90
1838	37,83	38,97	70	13	57	10				8	1,5	6,5	4	14,5	15,5	2	2	,5	,98
1839	45,27	47,77	79	21	58	14,5			,5	5,5	5,5	3	1	19	11	3,5			9,49
1841	35,29	48,01	78	17	61	5,5	3		1,5	,5	7	7	5,5	11	19	9	2		
Mean.	42,05	46,33				8,25	,85	,11	,97	5,64	5,57	4,43	4,19	15,75	14,25				3,13
Total.						115,5	12	1,5	13,5	79	78	62	58,5	220,5	199,5				43,63

MAY.																				
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1827	50,55	61,43	84	31	53	2			1	6	10,5	,5	11	19,5	11,5	4	1		3,68	
1828	59,64	58,68	82	40	42	2,5	2,5	,5	1	4	14	1	5,5	17	14	6			4,25	
1829	52,50	66,45	91	32	59	1	2			10,5	8	1	8,5	18,5	12,5	6			3,77	
1830	56,21	52,17	78	29	49	5	1			7	7	5,5	5,5	20,5	10,5	8			1,86	
1831	62,01	60,18	85	40	45	3				15,5	4	6	2,5	17	14	5,5	,5		2,30	
1832	53,02	51,16	81	30	51	14	1,5			13,5	,5	1,5		16,5	14,5	8		,5	3,30	
1833	56,33	61,98	82	26	56	8			1	19	2	1		16,5	14,5	7,5			9,67	
1834	47,21	63,77	88	23	65	2,5	1		,5	10,5	6,5	3,5	6,5	19,5	11,5	4,5	1,5		2,56	
1835	49,49	61,85	87	35	52	10,5		4	,5	3,5	6,5	1	5	22,5	8,5	5			2,65	
1836	54,60	59,09	85	28	57	7,5	,5	1,5		6,5	2,5	12	,5	19,5	11,5	6		,5	2,65	
1837	50,97	55,85	82	26	56	9,5	2		,5	5,5	3	7,5	3	18,5	12,5	8			4,50	
1838	48,86	58,48	85	24	61	6,5	2		4	4,5	7	4,5	2,5	17	14	7,5			4,04	
1839	51,18	57,24	87	30	56	5,5			1	10	5	6,5	3	19	12	2,5			2,17	
1841	45,27	61,52	87	23	64	3	2		1	4,5	8,5	3,5	8,5	17,5	13,5	6	1	1		
Mean.	52,70	59,28				5,75	1,04	,43	,75	8,61	6,07	3,93	4,43	18,50	12,50				3,65	
Total.						80,5	14,5	6	10,5	120,5	85	55	62	259	175				47,40	
JUNE.																				
1827	65,33	63,60	86	43	43	1	,5		1	8,5	9,5	4	5,5	20	10	6			4,49	
1828	67,63	72,58	92	40	52	,5			2,5	4	15,5	1	6,5	21,5	8,5	5			5,36	
1829	67,79	63,54	89	46	43	2,5			1,5	9	6	4	7	17,5	12,5	6			4,97	
1830	60,84	58,31	86	44	42	1				6,5	8,5	7,5	6,5	14,5	15,5	11			5,15	
1831	65,27	70,39	98	46	52	4	,5			14	3	4	4,5	18,5	11,5	8,5			3,80	
1832	61,97	67,27	88	38	50	9,5		,5		13	2	5		21	9	3,5			1,70	
1833	58,68	62,06	80	41	39	8			,5	10	4,5	4	3	17	13	7,5			3,79	
1834	62,72	64,79	89	47	42	7	1,5			2	4	12	3,5	13	17	7			2,74	
1835	67,98	62,34	86	48	38	9	,5	1		3,5	7	4	5	21	9	4,5			6,25	
1836	66,00	64,22	88	37	51	10,5	2	3	3	7,5		2	2	13	17	5			3,77	
1837	64,95	63,51	87	42	45	8	2			4	5	6,5	4,5	19,5	10,5	5			2,80	
1838	67,08	68,39	91	49	42	6	,5			4,5	7	7	5	20	10	7			8,78	
1839	57,91	61,08	90	37	53	4	3	,5	1,5	2	7	5	7	13	17	4			7,02	
1841	68,01	70,79	96	38	58	2	,5		,5	5	11,5	5	5,5	20,5	9,5	7				
Mean.	64,44	65,20				5,21	,79	,36	,75	6,67	6,47	5,07	4,68	17,86	12,14				4,66	
Total.						73	11	5	10,5	93,5	90,5	71	65,5	250	170				60,62	
JULY.																				
1827	71,80	67,12	86	52	34	1,5	2		5,5	3	14,5	1,5	3	16,5	14,5	5			5,01	
1828	66,64	71,28	85	50	35	1	,5		,5	3,5	18,5	2,5	4,5	21	10	4			4,91	
1829	66,85	68,61	91	51	40	3,5				9	15	1	2,5	17,5	13,5	6			2,50	
1830	65,45	76,02	93	50	43	3	1			9	6,5	8	3,5	15,5	15,5	9			3,66	
1831	69,87	73,38	95	52	43	2	,5			19,5	4,5	3,5	1	17,5	13,5	7,5			5,79	
1832	68,21	67,61	90	49	41	3,5	1		,5	12,5	5	6	2,5	17	14	8,5			4,35	
1833	67,33	65,83	89	45	44	4,5				13,5	6	3	4	19,5	11,5	8			4,36	
1834	73,47	71,94	96	48	48	4	3		,5	4,5	2	12,5	4,5	22,5	8,5	3,5			2,68	
1835	68,25	68,59	87	46	41	12			,5	2	4,5	8,5	3,5	17	14	7,5			4,48	
1836	72,97	66,27	91	44	47	12		1		4,5	1	7	5,5	23	8	6,5			2,36	
1837	63,91	65,31	92	44	48	9,5	,5			3,5	4	6	7,5	18	13	6,5			2,80	
1838	72,73	67,85	94	46	48	6,5	,5	,5	,5	4,5	2,5	7,5	8,5	22,5	8,5	4,5			2,46	
1839	66,09	70,45	91	45	46	1,5	2,5			3,5	18,5	3	2	21	10	,5			5,48	
1841	66,16	68,64	94	41	53	3,5			,5	4	7,5	6,5	9	24,5	6,5	7				
Mean.	68,55	69,21				4,85	,82	,10	,60	6,85	7,85	5,47	4,39	19,50	11,50				3,91	
Total.						68	11,5	1,5	8,5	96,5	110	76,5	61,5	273	161				50,84	

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	69,89	62,16	87	40	47	2			,5	8	10,5	3	7	19	12	6			4,02
1828	68,46	67,60	89	47	42					3	20,5	5,5	2	27,5	3,5	2			5,54
1829	69,00	63,47	88	42	46	3,5				9,5	9	5,5	3,5	25	6	3			,81
1830	69,26	65,89	90	52	38	6,5				14	4	4,5	2	22	9	2			1,20
1831	72,04	69,36	96	41	55	10	1,5			9,5	4	3	3	17,5	13,5	4,5			4,72
1832	70,71	63,25	88	36	52	4				16	7	1,5	2,5	18,5	12,5	5,5			6,83
1833	66,39	63,11	82	42	40	11				15,5	3,5	1		19,5	11,5	5			6,74
1834	71,33	60,88	93	37	56	10	2	,5	2	6	1	2,5	7	18,5	12,5	2,5			1,37
1835	64,24	63,43	92	36	56	4	,5		1,5	6	3,5	9,5	6	19,5	11,5	7,5			5,30
1836	62,00	59,95	86	36	50	4	1,5	2	2,5	6	3	8,5	3,5	17,5	13,5	5			1,66
1837	66,08	61,90	88	40	48	7,5	1,5	2		5	6,5	4,5	4	15,5	15,5	4,5			2,53
1838	68,14	64,29	92	42	50	4,5			,5	4,5	4,5	13,5	3,5	20,5	10,5	6,5			8,62
1839	64,03	66,32	89	40	49	1,5	3,5	,5		2	13	1	9,5	20,5	10,5	1			2,31
1841	68,69	68,69	92	40	52	5	2		1	7,5	9,5	3	3	21	10	4			
Mean.	67,87	64,31				5,25	,89	,36	,57	8,05	7,10	4,75	4,03	20,14	10,86				3,98
Total.						73,5	12,5	5	8	112,5	99,5	66,5	56,5	282	152				51,65
SEPTEMBER.																			
1827	56,13	55,87	80	39	41	5,5	3			4	5	5	7,5	13,5	16,5	6			3,66
1828	62,41	52,58	87	45	42	2,5	3		2	8,5	5,5	3,5	5,5	13	17	7			6,33
1829	56,95	51,63	90	32	58	2				6	11	5	6	19	11	6			3,30
1830	65,58	61,22	88	36	52	8	3,5			5	4,5	6	3	19,5	10,5	2			3,50
1831	64,74	58,34	88	40	48	5				12	7,5	3	2,5	13	17	7			4,22
1832	56,76	60,67	84	34	50	2			1	16	5,5	2,5	2,5	21	9	4			3,32
1833	58,33	60,11	78	36	42	7			2	12	3	3,5	2	20,5	9,5	5			2,79
1834	61,32	57,44	87	23	64	8				8		8,5	5,5	15,5	14,5	6			3,47
1835	56,97	59,19	83	27	56	7,5		1		4	6	9,5	2	17,5	12,5	2,5			1,10
1836	59,10	57,78	85	34	51	7,5		1		10,5	5,5	2	3,5	12,5	17,5	5,5			2,44
1837	58,43	54,54	87	29	58	11,5		,5		2,5	10	4,5	1	22	8	3			1,15
1838	59,77	66,62	81	37	44	10,5	1		1	6,5	4,5	4	2,5	17	13	3,5			4,10
1839	61,88	52,00	88	32	56	,5			1	6,5	8,5	4		17,5	12,5	2			3,17
1841	63,20	59,67	87	44	43	5	3,5		2,5	8,5	2		8,5	21,5	8,5	4			
Mean.	60,11	57,69				5,89	1,03	,18	,68	7,93	5,61	4,32	4,36	17,36	12,64				3,27
Total.						82,5	14,5	2,5	9,5	111	78,5	60,5	61	243	177				42,55
OCTOBER.																			
1827	55,05	44,55	72	24	48	2	,5			4	5	8,5	2	9	10	21	8		4,71
1828	50,62	40,34	72	19	53	2			2,5	12	3,5	4	7	20	11	2			2,47
1829	48,18	48,20	72	18	54	2	1		1,5	12,5	5,5	2,5	6	19,5	11,5	4			3,03
1830	54,16	50,44	71	36	35	4,5	2,5		2,5	10	1	5	5,5	18,5	12,5	5			3,35
1831	50,05	48,63	74	30	44	11			1	11,5	4,5	1	2	17	14	6,5			4,22
1832	52,15	44,68	70	20	50	7,5	,5		1,5	16,5	2,5	1	1,5	17,5	13,5	5,5			4,22
1833	50,31	42,67	72	19	53	5			3,5	11,5	2,5	2,5	6	12	19	7,5	,5	,5	8,35
1834	48,21	41,58	74	17	57	13	,5			8	1	1,5	7	10	21	6,5	,5	,5	4,21
1835	46,39	55,23	78	23	55	6,5			2,5	6,5	13,5	2	20	11	3,5				2,67
1836	43,22	36,33	68	14	54	9	3		2	2,5	7	7,5	19	12	3	,5	1		3,10
1837	43,42	44,62	72	16	56	13,5	1,5		4	5,5	3,5	3	20	11	5				2,28
1838	50,23	40,11	76	22	54	9	2,5			10,5	1,5	7	,5	13	18	6,5			3,15
1839	49,39	40,50	75	14	61	2	3,5	,5	,5	3,5	14,5	1	5,5	20,5	10,5	1,5			1,10
1841	47,50	48,57	73	24	49	,5	3,5		2	3	7,5		14,5	15	16	4			
Mean.	49,20	44,75				6,27	1,35	,04	1,35	8,03	4,79	3,67	5,50	16,57	14,43				3,60
Total.						87,5	19	,5	19	112,5	67	51,5	77	232	202				46,86

NOVEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	35,58	30,06	52	9 43	6,5	1			1	4	2	2	13,5	8,5	21,5	3	4		2,93
1828	44,49	36,10	67	12 55	3				2,5	9,5	5,5	2	7,5	7	23	5	3	2	6,83
1829	37,80	37,21	58	13 35	3				1	9	9	4	4	8,5	21,5	5	1		3,94
1830	51,78	43,48	68	36 32	9	1,5			,5	5,5	5	2,5	6	8	22	3	2		3,35
1831	42,15	34,56	54	10 44	7,5		,5			8,5	6,5	3	4	10,5	19,5	1,5	2,5	,5	3,95
1832	39,66	37,62	58	12 46	6,5	1				16,5	2,5	3	,5	10,5	19,5	3,5	1,5	,5	4,22
1833	38,55	29,73	61	10 51	9,5					8,5	7,5	1,5	3	14,5	15,5	7	4	2	3,13
1834	35,65	32,59	55	7 48	11,5	2	,5			3,5	3,5	1,5	7,5	11	19	3,5	1	1	2,05
1835	42,88	30,43	65	— 267	13	1				4	4,5	2,5	5	12	18	3	1		2,00
1836	38,09	31,73	60	13 47	8		,5	1		9,5	4,5	2,5	4	10,5	19,5	4,5		,5	2,48
1837	36,54	36,32	71	— 677	11	1,5				3	7	5	2,5	15	15	2	2	,5	1,80
1838	38,46	25,62	63	— 164	15,5	2				3	3	2,5	4	11,5	18,5	6	1		3,58
1839	36,60	29,69	58	9 49	2	2				5	3,5	1	16,5	7	23	3			2,48
1841	40,01	30,47	74	0 74	2	2			1	1,5	6		17,5	10	20	7	1,5		
Mean.	39,87	33,26				7,72	1,07	,12	,48	6,50	5,00	2,36	6,79	10,32	19,68				3,29
Total.						108	15	1,5	6	91	70	33	95,5	144,5	275,5				42,74
DECEMBER.																			
1827	34,34	25,16	52	2 50	8					7,5	6,5	4	5	6,5	24,5	4	3		4,25
1828	38,94	28,66	58	1 57	1					9,5	11,5	4	5	13,5	17,5	1			,43
1829	36,51	36,66	60	9 51	8					8,5	8,5	3,5	2,5	13	18	3	1		3,12
1830	33,29	32,83	54	— 1064	7	1				13,5	2,5	6,5	,5	8	23	4	2		5,60
1831	14,01	16,33	37	— 1451	9		,5			9,5	5	3	4	15,5	15,5		6		2,50
1832	32,31	24,30	49	— 756	11,5					9,5	3,5	1	5,5	10	21	2,5	3		2,51
1833	26,96	26,62	45	3 42	17,5	1,5				4	5	2	1	8,5	22,5		3,5		1,17
1834	27,89	17,46	48	— 2068	13	3			1	4	8,5	,5	1	7	24	1	4	,5	1,98
1835	15,04	20,52	43	— 2972	4,5	1			1,5	9,5	2,5	3,5	8,5	11	20	,5	4		,92
1836	29,38	19,77	48	— 1866	9					7	3	6,5	5,5	13	18	3	2	1	1,52
1837	28,56	21,41	51	— 1465	11	2,5			,5	3,5	2	5,5	6	10,5	20,5	1,5	3,5		2,18
1838	24,54	15,38	45	— 1459	7,5	,5				8,5	4,5	6	4	14	17		2,5		2,10
1839	33,26	16,92	48	— 1967	5,5	5,5	,5	1		6	,5	3	9	11,5	19,5	1	3,5	,5	1,55
1841	36,10	20,93	49	4 45	4	1,5			1,5	4	7	3,5	9,5	9,5	21,5	2,5	2,5		
Mean.	29,37	23,07				8,32	1,22	,03	,39	7,46	5,03	3,75	4,80	10,92	20,08				2,29
Total.						116,5	17	,5	5,5	104,5	70,5	52,5	67	151,5	282,5				29,83

RECAPITULATION OF RESULTS

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gauge, total fall.	
	MEAN TEMPERATURE.		Whole month.	Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.		Rain gauge, Monthly mean.
	First Half.	Seco'd Half.																						
January, --	23.39	21.46	60	-36	96	6.00	.89	.14	.29	7.25	5.89	3.68	4.56	N 7° 31' W	84	10.38	12.86	18.14					3.86	43.69
February, -	18.62	24.29	60	-32	92	7.75	.86	.11	.36	5.47	5.71	3.57	4.00	N 7° 18' W	82	9.59	12.39	15.56					2.61	34.02
March, -	29.37	36.04	74	-20	94	9.56	.57	.07	.25	5.58	6.21	3.46	5.45	N 2° 12' W	87	11.20	15.37	15.43					2.12	27.55
April, ----	42.05	46.33	85	-12	93	9.25	.57	.11	.97	5.64	5.57	4.43	4.19	N 2° 41' W	16	4.79	15.75	14.25					3.86	43.63
May, ----	52.70	59.23	91	-23	63	5.75	1.64	.43	.75	5.61	5.07	3.63	4.43	N 2° 28' W	41	12.22	18.50	12.50					3.65	47.40
June, ----	64.44	65.20	92	-31	61	5.21	.79	.86	.75	5.67	5.47	3.39	4.39	N 2° 25' W	39	11.84	17.86	12.14					4.66	60.62
July, ----	68.55	69.20	95	-41	54	4.85	.82	.10	.60	5.85	7.10	4.75	4.39	N 2° 25' W	45	13.64	19.50	11.50					3.91	50.84
August, ---	67.85	64.31	93	-36	57	5.25	.89	.86	.57	8.05	7.10	4.75	4.03	N 2° 11' 85' W	89	11.84	20.14	10.86					3.95	51.65
September, -	60.11	57.69	90	-23	67	5.89	1.03	.18	.68	7.93	5.61	4.82	4.36	N 2° 75' 00' W	84	10.36	17.36	12.67					3.27	42.55
October, ---	49.20	44.75	78	-14	64	6.27	1.85	.04	1.85	8.03	4.79	3.67	5.50	N 2° 59' W	30	9.07	16.57	14.43					3.60	46.56
November, -	39.37	33.26	74	-2	76	7.72	1.07	.12	.43	6.50	5.00	2.34	6.79	N 71° 88' W	33	9.85	10.36	10.63					3.29	42.74
December, -	29.37	23.07	60	-29	89	8.32	1.22	.03	.39	7.46	5.03	3.75	4.80	N 82° 22' W	32	9.63	10.92	20.05					2.29	29.43
Mean. ----	45.46	45.41	98	-36	134	6.88	1.60	.17	.61	7.08	5.94	4.03	4.79	S 87° 48' W	83	9.97	15.65	14.79					3.24	43.45

Highest degree, June 11, 1831, - - - - - 98°
 Lowest degree, January 4, 1835, - - - - - -36
 Extreme range in 14 years, - - - - - 134
 Greatest monthly range in January.
 Least monthly range in July.

Mean monthly range, 74°.
 Driest month, March.
 Wettest month, June.
 Total fall of rain and snow in 18 years, 43 feet 5.38 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1827	14.41	24.66	34.46	43.33	55.99	64.46	69.46	66.02	56.00	44.50	32.82	29.75	45.51	87	-32	119	71	January 21.	August 6.		
1828	29.36	33.36	36.75	41.71	59.16	70.10	65.96	63.03	57.49	45.48	30.29	23.80	49.00	82	-13	105	65	January 22.	June 27.	October 13.	November 11.
1829	22.08	17.57	30.05	45.38	59.47	65.66	67.73	66.23	54.29	48.19	37.50	36.53	45.89	91	-25	116	74	January 11.	May 25.	September 10.	November 11.
1830	23.73	18.79	34.52	49.69	59.54	19.59	57.70	73.67	57.63	40.52	30.47	23.06	47.92	93	-25	112	75	February 7.	July 17.	October 25.	November 3.
1831	20.56	19.74	38.82	46.82	61.09	67.83	71.62	70.70	61.54	48.34	38.35	15.17	46.79	98	-14	112	72	January 24.	June 11.	November 22.	November 22.
1832	23.58	23.51	33.21	41.46	52.09	64.62	67.91	66.98	58.71	48.41	38.64	28.30	45.61	90	-21	111	73	February 24.	July 6.	October 20.	November 20.
1833	28.05	18.49	28.76	47.84	59.15	60.37	66.55	64.75	59.22	46.49	34.14	26.79	45.03	92	-17	117	80	February 2.	July 1.	October 20.	November 20.
1834	20.81	12.56	34.83	47.14	55.49	63.75	72.70	66.10	59.38	44.89	34.12	22.67	46.20	95	-20	117	80	December 14.	July 26.	September 29.	October 25.
1835	19.49	19.01	30.47	42.01	55.67	65.16	68.42	63.83	53.58	50.81	30.65	17.75	43.57	92	-20	117	80	December 14.	July 26.	September 29.	October 25.
1836	21.92	13.63	26.63	40.88	56.84	65.11	69.60	60.37	58.44	39.77	34.80	24.57	43.68	91	-20	117	80	December 14.	July 26.	September 29.	October 25.
1837	12.25	21.21	29.42	41.39	53.41	64.23	64.61	63.99	56.48	44.02	39.43	24.57	43.68	91	-20	117	80	January 14.	August 2.	October 12.	November 9.
1838	30.06	18.11	34.74	38.40	53.67	67.79	70.29	66.21	59.19	45.17	39.04	19.96	44.21	94	-19	118	63	January 31.	July 25.	October 4.	November 18.
1839	21.12	25.18	35.25	46.39	54.21	69.49	68.27	65.17	56.94	46.34	39.14	25.09	44.52	91	-30	121	62	January 23.	July 21.	September 14.	November 9.
1841	26.50	19.49	30.33	41.63	53.39	69.37	67.42	68.69	61.43	48.03	35.24	28.51	45.86	96	-17	113	74	January 4.	June 7.	August 24.	October 21.
Mean.	22.44	21.45	32.69	44.19	55.27	64.52	68.58	66.09	58.29	46.76	38.56	28.51	45.89								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1827	37.5	9		17.5	73.5	100	37	90.5	S 71° 20' W	44	160.56	166.	198.5	55	21	1
1828	33	7.5	1	16	75	131	29.5	73	S 60° 19' W	49	179.72	189.5	176.5	43	12	7
1829	31	6	.5	7.5	94.5	103.5	43	79	S 63° 17' W	50	181.59	187.5	177.5	47	9	3
1830	74.5	12		6	82	80	52.5	58	S 82° 11' W	39	138.63	109	165	56	13	4
1831	87.5	4		1.5	142.5	47.5	45	37	S 58° 58' W	32	117.73	178	187	56	19.5	2
1832	106	4.5	.5	3.5	160	41.5	30	20	S 41° 30' W	26	96.06	183	183	54.5	18.5	2
1833	116.5	3	.5	8	143	42	28.5	23.5	S 57° 4' W	22	79.29	191	174	48.5	16.5	3.5
1834	95	17.5	1	5	80	47	58	61.5	N 88° 00' W	37	117.91	178	187	46.5	13	1.5
1835	101.5	11.5	8.5	4.5	42.5	63.5	74	59	N 67° 00' W	42	152.97	197.5	167.5	42.5	13.5	3.5
1836	116	8	9.5	6.5	67	41	75.5	42.5	N 65° 59' W	34	125.67	182.5	183.5	45.5	20.5	5.5
1837	124	18.5	4	1	47	64.5	65	41	N 58° 45' W	39	141.65	201	164	44.5	17	2
1838	103	12	1	7.5	73	53.5	72.5	42.5	N 78° 34' W	35	128.13	190.5	174.5	46.5	15.5	2.5
1839	75.5	22	2	7	67	84	38.5	69	N 79° 2' W	12	44.65	228	137	44.5	5.5	2
1841	43.5	23.5		12.5	44	99.5	35	107	N 84° 4' W	34	121.67	191	174	55.5	18	
Mean.	81.76	11.35	2.03	7.42	85.07	71.31	48.95	57.42	S 85° 14' W	34	124.61	190.28	174.93			
Total.	1144.5	159	28.5	104	1191	998.5	684	803.5				2664	2449			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Wettest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1827	6.43	2.97	2.61	7.24	3.63	4.49	5.01	4.02	3.66	4.72	2.93	4.25	52.01	March.	April.
1828	2.49	2.09	1.30	1.77	4.25	5.36	4.91	5.51	6.33	2.47	6.83	4.43	43.68	December.	November.
1829	4.10	2.25	2.40	4.85	3.77	4.97	2.50	5.51	3.80	3.03	3.94	3.12	39.04	August.	June.
1830	1.90	2.00	2.29	1.24	1.86	5.15	3.66	1.29	3.50	3.35	3.35	5.60	35.19	August.	December.
1831	1.90	2.65	3.60	3.20	2.30	3.80	5.79	4.72	4.22	4.22	3.95	2.50	43.05	January.	July.
1832	4.17	4.16	3.67	4.00	3.30	1.70	4.35	6.83	3.32	4.22	4.22	2.51	46.45	June.	August.
1833	1.94	1.93	2.03	1.35	9.67	3.79	4.36	6.74	2.79	3.35	3.18	1.17	47.51	December.	May.
1834	1.41	1.70	2.43	2.58	2.56	2.74	2.65	1.37	3.47	4.21	2.05	1.93	29.15	August.	October.
1835	4.25	2.15	2.20	1.95	2.65	6.25	4.48	5.80	1.10	2.67	2.00	1.92	35.92	December.	June.
1836	6.88	4.15	.96	2.08	2.65	3.77	2.36	1.66	2.44	3.10	2.48	1.53	34.05	March.	January.
1837	2.70	3.63	2.31	2.90	4.50	2.80	2.50	2.53	1.15	2.28	1.80	2.12	31.57	September.	May.
1838	3.05	2.75	.75	.98	4.04	3.78	2.46	3.62	4.10	3.15	3.58	2.10	44.16	March.	June.
1839	2.47	1.88	.95	9.49	2.17	7.02	5.45	2.31	3.17	1.10	2.48	1.55	40.97	March.	April.
Mean.	3.36	2.61	2.12	3.36	3.65	4.66	3.91	3.98	3.27	3.60	3.29	2.29	40.14		
Total.	43.69	34.02	27.55	43.63	47.40	60.62	50.54	51.65	42.55	46.86	42.74	39.83	21.79		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1827	27	20	28	11	27	4	10	25	27	1	8	1	12	22	5	28	6	29	4	31	12	10	14	26
1828	5	22	18	12	30	4	29	13	6	8	27	1	26	13	31	20	1	30	11	16	4	18	3	31
1829	15	3	26	4	4	19	20	25	25	12	7	10	15	1	8	27	2	27	25	22	10	20	7	10
1830	3	30	21	6	30	9	30	3	5	16	26	4	17	1	8	25	3	17	30	25	3	30	25	22
1831	4	24	22	14	31	17	30	12	12	5	11	14	4	10	21	28	27	30	2	12	13	30	24	22
1832	18	26	12	24	25	1	8	13	24	15	15	19	6	11	14	25	16	13	10	26	1	15	8	23
1833	4	17	18	2	21	2	29	15	18	3	22	9	1	29	13	29	29	13	16	31	8	20	31	13
1834	17	24	15	7	19	3	14	27	24	15	9	2	26	30	11	28	5	29	1	15	10	15	2	14
1835	26	4	22	9	16	3	12	17	19	14	4	20	3	1	2	4	5	30	20	25	4	29	26	16
1836	13	16	23	5	10	2	26	6	21	13	8	20	9	17	1	9	13	28	1	31	11	25	10	31
1837	31	14	15	13	13	3	29	5	31	1	30	17	1	9	2	23	10	20	23	13	21	27	2	15
1838	7	31	8	21	23	1	29	16	22	3	16	7	8	22	6	26	22	3	6	31	4	24	5	30
1839	11	23	24	9	29	3	24	21	15	4	8	13	1	5	24	29	5	30	13	20	14	22	7	31
1841	7	4	22	18	20	18	25	11	24	4	7	4	25	29	18	26	3	18	31	26	1	30	15	22

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1827	39	-32	44	-22	66	-5	70	29	84	31	86	43	86	72	87	40	80	39	72	24	52	9	52	2
1828	52	-13	58	5	74	10	69	23	82	40	92	40	85	50	89	47	87	45	72	19	67	12	58	1
1829	49	-25	43	-19	60	5	75	27	91	32	89	46	91	51	88	42	90	32	72	18	58	13	60	9
1830	44	-24	60	-25	64	10	79	25	78	29	86	44	93	50	90	52	88	36	71	36	68	36	54	-10
1831	60	-12	41	-10	64	13	74	27	85	40	98	46	95	52	96	41	88	40	74	30	54	10	37	-14
1832	49	-19	48	-21	68	-10	75	16	81	30	88	38	90	19	88	36	84	34	70	20	58	12	49	-7
1833	59	-8	49	-18	63	-17	85	19	82	26	80	41	89	45	82	42	78	36	72	19	61	10	45	3
1834	45	-4	55	-16	65	-6	82	20	88	23	89	47	96	48	93	37	87	23	74	17	55	7	48	20
1835	53	-36	45	-13	56	-3	67	17	87	35	86	48	87	46	92	36	83	27	78	23	65	-2	43	-29
1836	47	-26	53	-32	57	-6	76	12	85	28	88	37	91	44	86	36	85	34	68	14	60	13	48	-18
1837	44	-26	46	-16	58	-20	75	24	82	26	87	42	92	41	88	40	87	29	72	16	71	-6	51	-14
1838	54	-15	47	-19	57	-8	70	13	85	24	91	49	94	46	92	42	81	37	76	22	63	-1	45	-14
1839	52	-30	45	-10	59	-12	79	21	87	30	90	37	91	45	89	40	88	32	75	14	58	9	48	-19
1841	53	-17	50	-10	60	-2	78	17	87	23	96	38	91	41	92	40	87	44	73	24	74	0	49	4
Highest.	59		60		74		85		91		98		96		96		90		78		74		60	
Lowest.		-36		-32		-20		12		23		37		41		36		23		11		-6		-29
Range.		95		92		94		73		68		61		55		60		67		64		80		89

SUMMARY OF OBSERVATIONS AT CANAJOHARIE ACADEMY,

CANAJOHARIE, MONTGOMERY COUNTY, N. Y., DURING THREE YEARS.

Latitude N. $42^{\circ} 53'$; Longitude W. $74^{\circ} 35'$. Elevation above tide, 284 feet. On the west side of the valley of the Mohawk, estimated to be 50 feet above the canal at this place.

OBSERVERS.

1830, Temperature alone complete, ADAM BULLOCK, Teacher.

1835, Except rain gage, WILLIAM PALMER, Principal.

1833, Except rain gage, WILLIAM PARKER, Principal.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	20,71	12,50	42	-13	55														
1833	29,77	25,11	52	-12	64			6,5	8	,5	1,5	7,5	7	8,5	22,5	3,5	6,5		
1835	6,04	31,68	46	-36	82	,5		1,5	3,5	2,5	2	13	8	16	15	4	3,5		
Mean.	18,84	33,09				,25		4,00	5,75	1,50	1,75	10,25	7,50	12,25	18,75				
FEBRUARY.																			
1830	11,21	30,39	52	-16	68														
1833	16,97	22,28	48	-16	64			,5	5	,5	1,5	12,5	8	14	14		7,5	,5	
1835	10,65	26,17	50	-16	66	,5		3	4	,5		8	12	10	18	1,5	5		
Mean.	12,94	26,28				,25		1,75	4,50	,50	,75	10,25	10,00	12,00	16,00				
MARCH.																			
1830	27,39	36,18	60	8	52														
1833	24,28	37,31	64	-4	68	,5		,5	7,5	3,5		10	9	17	14	3,5	6		
1835	24,76	32,88	57	-6	63			6,5	4	1,5	1	8,5	9,5	13,5	17,5	3	5,5		
Mean.	25,47	35,45				,25		3,50	5,75	2,50	,50	9,25	9,25	15,25	15,75				
APRIL.																			
1830	47,55	55,80	86	26	60														
1833	47,74	53,26	84	24	60			9	5,5		1	6,5	8	22,5	7,5	3		,5	
1835	43,85	38,53	70	22	48		,5	11	2	1		7,5	8	10,5	19,5	6,5	2,5	2	
Mean.	46,38	49,19					,25	10,00	3,75	,50	,50	7,00	8,00	16,50	13,75				

MAY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	57,28	55,00	86	30	56														
1833	63,70	62,54	82	36	46	,5		8	6,5		,5	9	6,5	15,5	15,5	12,5			
1835	49,86	61,53	88	26	62	,5		6,5	5		2	5	12	20,5	10,5	8			
Mean.	56,94	59,69				,50		7,25	5,75		1,25	7,00	9,25	18,00	13,00				
JUNE.																			
1830	63,20	64,00	87	45	42														
1833	60,08	62,86	84	43	41			,5	6,5	1,5	1,5	7	13	17,5	12,5	9,5			
1835	70,99	63,24	92	46	46			2,5	8		2,5	2,5	14,5	18	12	7,5			
Mean.	64,75	63,36						1,50	7,25	,75	2,00	4,75	13,75	17,75	12,25				
JULY.																			
1830	68,69	77,00	97	54	43														
1833	69,26	66,56	93	48	45				3	2,5	3	9	13,5	18,5	12,5	11			
1835	68,84	71,72	94	48	46			2,5	4		1,5	16	7	18	13	10,5			
Mean.	68,93	71,76						1,25	3,50	1,25	2,25	12,50	10,25	18,25	12,75				
AUGUST.																			
1830	68,20	67,34	92	50	42														
1833	67,59	66,78	85	42	43	1		2,5	5	2	2,5	9	9	22	9	6			
1835	69,04	65,24	96	38	58			1,5	7,5			8,5	13,5	18,5	12,5	8			
Mean.	68,27	66,45						2,00	6,25	1,00	1,25	8,75	11,25	20,25	10,75				
SEPTEMBER.																			
1830	61,86	53,56	80	26	54														
1833	59,15	60,50	82	35	47			5	,5	,5	3,5	18	2,5	23	7	5			
1835	61,97	55,13	94	26	68			1	8		2	6	13	16	14	5			
Mean.	60,99	56,39						3,00	4,25	,25	2,75	12,00	7,75	19,50	10,5				
OCTOBER.																			
1830	50,15	45,61	75	28	47														
1833	50,88	44,56	68	22	46	,5		4,5	5,5	2	2	11	5,5	10,5	20,5	7	2,5	,5	
1835	47,64	55,55	80	24	56			4	12,5		,5	2	12	16,5	14,5	8			
Mean.	49,55	48,24				,25		4,25	9,00	1,00	1,25	6,50	8,75	13,50	17,50				
NOVEMBER.																			
1830	44,60	39,35	61	22	39														
1833	40,81	30,23	62	12	50			3,5	4,5	1	2	8	11	11	19	4	3,5	1	
1835	42,08	30,19	69	4	65			5	10		2,5	2,5	10	10,5	19,5	5,5	5,5		
Mean.	42,49	33,25						4,25	7,25	,50	2,25	5,25	10,50	10,75	19,25				
DECEMBER.																			
1830	32,24	30,96	50	—	446														
1833	26,95	26,55	45	—	550			3	11	,5	2,5	5,5	8,5	9,5	21,5		7		
1835	16,17	19,70	44	—	1862			2,5	9		,5	8	11	10,5	20,5	2	8		
Mean.	25,12	25,73						2,75	10,00	,25	1,50	6,75	9,75	10,00	21,00				

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.						WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Whole month.	Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	
	First Half.	Seco'd Half.																						
January, -	18.84	33.09	25.96	52	-36	88	.25		4.00	5.75	1.50	3.75	10.25	7.50	S 88° 15' W	86	10.72	12.25	18.75					
February, -	12.94	26.28	19.61	52	-16	68	.25		1.75	4.50	2.50	7.75	10.25	10.00	N 79° 59' W	43	12.95	12.00	16.00					
March, -	25.47	35.45	30.46	64	-6	70	.25		3.50	5.75	2.75	9.25	9.25	9.25	S 87° 21' W	12	8.68	15.25	15.75					
April, -	46.38	49.19	47.78	66	22	64	.50		10.00	3.75	5.00	7.00	8.00	4.39	N 89° 4' W	8	2.34	16.50	18.75					
May, -	56.94	59.69	58.31	68	26	62	.50		7.25	5.75	1.50	7.00	8.25	N 75° 11' W	12	9.75	18.00	18.00						
June, -	64.75	68.36	64.05	92	43	49			1.50	7.25	7.75	2.00	4.75	13.75	N 75° 01' W	35	16.52	18.25	12.75					
July, -	68.93	71.76	70.34	97	48	49			1.25	3.50	1.25	2.25	12.50	10.25	N 86° 46' W	29	9.59	17.75	12.25					
August, -	68.27	66.45	67.36	96	38	58			2.00	6.25	1.00	1.25	8.75	11.25	N 81° 36' W	33	10.65	18.25	12.75					
September, -	60.99	56.39	58.69	94	47	47			3.00	4.25	.25	2.75	7.00	7.75	N 88° 08' W	39	9.63	20.25	10.75					
October, -	49.55	48.24	48.90	80	22	58	.25		4.25	9.00	1.00	1.25	6.50	8.75	N 53° 80' W	14	4.13	18.50	17.50					
November, -	42.49	33.25	37.87	69	4	65			4.25	7.25	.50	2.25	5.25	10.50	N 87° 32' W	17	5.12	10.75	19.25					
December, -	25.12	25.73	25.42	50	-18	68			2.75	10.00	.25	1.50	6.75	9.75	N 71° 57' W	17	5.23	10.00	21.00					
Mean, -	45.06	47.41	46.28	97	-36	133	18	.02	3.79	6.08	.85	1.67	7.94	9.06	N 85° 17' W	27	8.07	15.88	15.10					

Highest degree, July 21, 1880. 97°
 Lowest degree, January 7, 1835, -36°
 Extreme range in 3 years, 133°

Greatest monthly range in March.
 Least monthly range in June and July.
 Mean monthly range, 62°.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1830	16.60	20.80	31.78	50.17	56.14	63.60	72.84	67.77	57.71	47.82	41.97	31.10	46.53	97	-16	113	60	February 7,	July 21,	September 18,	November 30,
1833	27.44	19.62	30.79	50.50	63.12	61.47	67.91	67.18	59.32	47.72	35.32	26.75	46.48	93	-16	109	63	January 19,	July 1,		October 20,
1835	18.56	18.41	28.82	41.19	55.74	67.11	70.23	67.14	58.55	51.59	36.13	17.93	44.31	96	-36	132	52	January 7,	August 19,		November 12.
Mean.	20.97	19.61	30.46	47.29	58.33	64.06	70.34	67.36	58.69	49.06	37.87	25.26	45.77								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1833	2,5		43,5	68,5	14,5	21,5	113	101,5	S 87° 36' W	29	108,10	189,5	175,5	65	33	2,5
1835	1,5	,5	47,5	77,5	5,5	14,5	87,5	130,5	N 74° 38' W	25	90,62	178,5	186,5	69,5	30	2
Mean.	2	.25	45,5	73	10	18	100,25	116	N 84° 13' W	24	98,21	184	176			

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1830	16	30	25	6	21	9	30	3	5	7	16	21	21	8	23	26	24	17	2	26	16	29	25	22
1833	5	19	22	2	31	5	29	19	18	5	30	5	1	5	21	29	29	13	17	31	9	5	31	13
1835	26	7	22	4	31	3	11	17	25	14	29	20	24	1	13	31	5	30	20	25	4	30	20	16

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1830	42	—13	52	—16	60	8	86	26	86	30	87	45	97	54	92	50	80	28	75	28	62	28	50	4
1833	52	—12	48	—16	64	—4	84	24	82	36	84	43	93	48	85	42	82	35	68	22	62	12	45	—5
1835	46	—36	50	—16	57	—6	70	22	88	28	92	46	94	48	96	38	94	26	80	24	69	4	44	—18
Highest	52		52		64		86		88		92		97		96		94		80		69		50	
Lowest.		—36		—16		—6		22		28		43		48		42		26		22		4		—18
Range.		88		68		70		64		60		49		49		54		68		58		65		68

SUMMARY OF OBSERVATIONS AT CANANDAIGUA ACADEMY,

CANANDAIGUA, ONTARIO COUNTY, N. Y., DURING 10 YEARS.

Latitude N. 42° 50'; Longitude W. 77° 15'. North of Canandaigua lake, and 145 feet above it.

OBSERVERS.

1829, HENRY HOWE, Principal, and JOHN GREY HOWELL.
1830, HENRY HOWE, Principal.

1831, HENRY HOWE, Principal, and C. ESTER G. METCALF, Assistant.
1832 to 1838, inclusive, HENRY HOWE, Principal.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1829	22,44	25,75	50	0	50	2,5	1		1	6,5	7,5	10,5	2	12,5	18,5		4		3,15
1830	28,35	16,62	47	—	8 55		1	1		9	3,5	14,5	2	9	22		4		3,34
1831	23,05	16,04	54	—	2 56		1,5	2	1,5	1,5	4	12,5	8	8,5	22,5		11	1	3,32
1832	27,88	22,15	57	—	10 67	1	1,5		,5	11,5	2,5	10	4	11	20	2	8		2,32
1833	32,45	26,01	66		4 62	1	4,5		3	8,5	1,5	4,5	8	5	26	4	8		1,71
1834	22,30	22,35	49	—	3 52	1	2	1	1	7	3	13	3	7,5	23,5	2	5	2	2,34
1835	16,12	30,40	46	—	6 52	5	1	1	1,5	10	2	5,5	5	9	22	3	4	,5	2,64
1836	29,23	16,14	39	0	39	1		1	1,5	8,5	8	6,5	4,5	4	27	1	11		6,00
1837	14,48	14,80	50	—	8 58	2	2	1	1,5	8,5	2,5	6,5	7	5	26		8	1	2,65
1838	33,97	25,41	59		4 55		1			8,5	7	12,5	2	8	23	4	6	1	1,95
Mean.	25,03	21,57				1,35	1,55	,70	1,15	7,95	4,15	9,60	4,55	7,95	22,05				2,94
Total.						13,5	15,5	7	11,5	79,5	41,5	96	45,5	70,5	230,5				29,42
FEBRUARY.																			
1829	20,69	18,54	46	0	46	1		1,5	2	6,5	1	10,5	5,5	9,5	18,5		2		2,86
1830	17,82	31,90	51		3 48				1	11		16		16,5	11,5		2		1,60
1831	15,85	26,25	51		4 47		,5		1	10	3	13,5		14,5	13,5	1	3		2,49
1832	26,57	18,95	49	—	11 60	1	,5	1	1,5	8,5	1	10	5,5	4	25	3	10	2	3,86
1833	21,24	22,27	52		4 48	,5	2,5		2,5	6,5	1	7,5	7,5	5	23	1	9		3,20
1834	28,73	36,84	59		5 54	1				15,5	5	4,5	2	15	13	5	2		3,66
1835	14,71	21,49	36	—	4 40	6,5		,5	1	7,5	3	4	5,5	7	21		8		3,95
1836	12,73	25,76	44	—	8 52	1		3,5	2,5	4	2,5	11	4,5	11	18	1	6		3,49
1837	21,62	12,75	32	—	5 37				1	5	3,5	9,5	9	11	17	1	7		4,25
1838	17,19	9,97	34	0	34				4	1,5	1,5	18	3	3,5	24,5		6		1,90
Mean.	19,71	22,47				1,10	,35	,65	1,65	7,60	2,15	10,45	4,25	9,70	18,50				3,13
Total.						11	3,5	6,5	16,5	76	21,5	104,5	42,5	97	185				31,26

OBSERVATIONS AT CANANDAIGUA ACADEMY.

MARCH.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	32,05	29,28	65	10	55	,5	,5	1		9,5	1	4	14,5	11	20		2		2,87
1830	31,47	38,94	64	9	55	,5	2,5	,5	1	12	2	11,5	1	16	15	1	3,5		2,70
1831	37,98	39,25	70	10	60		1			12	3,5	11,5	3	11	20	2,5			2,03
1832	34,93	35,21	68	4	64					15	,5	11,5	4	13,5	17,5	3	6	1	1,11
1833	22,51	40,28	67	4	63	1		1	,5	11,5	1	9	7	12	19	3	8		,85
1834	33,23	34,24	57	20	37	3	,5		1	12	3,5	7,5	3,5	14	17	5	3		3,41
1835	17,37	30,34	47	8	55	1,5	,5	1	1	8	4	12,5	2,5	9	22	3	5		3,12
1836	26,06	29,03	48	8	40	,5			1,5	7	5	11,5	5,5	6,5	24,5	4	6	1	2,37
1837	25,42	29,18	44	11	33					3,5	10	11	6,5	11	20	4	4	2	2,62
1838	32,13	37,93	56	0	56		2	2	2	6,5	3,5	11	4	13	18	2	7		2,01
Mean.	29,31	34,37				,70	,70	,55	,70	9,70	3,40	10,10	5,15	11,70	19,30				2,31
Total.						7	7	5,5	7	97	34	101	51,5	117	193				23,09
APRIL.																			
1829	42,73	49,91	71	30	41			1	1	7	1,5	13,5	6	13,5	16,5	2		1	3,27
1830	46,63	57,41	83	30	53		1,5	2	1,5	7,5	6,5	10	1	20,5	9,5	1			1,48
1831	44,70	47,06	69	30	39	3				11,5	5,5	10		14	16	2	9		3,76
1832	42,04	42,86	77	22	55	3			1,5	8		4	13,5	16	14	10		2	2,21
1833	47,15	58,77	88	28	60	1,5				12,5	3	11,5	1,5	19	11	9			1,46
1834	47,23	52,62	78	30	48	1,5			2	11	5	10,5		17,5	12,5	7			3,13
1835	35,89	39,94	52	22	30			,5	,5	6,5	8	11	3,5	13	17	6	8	1	3,76
1836	43,35	59,53	87	30	57	1				10	8,5	8	2,5	11	19	7		2	3,80
1837	37,58	45,59	72	27	45				,5	6,5	8,5	14	,5	13	17	5	1		1,10
1838		41,81	60	23	37	2				1,5	4,5	18	4	10,5	19,5	6	3	1	2,80
Mean.	43,03	49,55				1,20	,05	,35	,70	8,20	5,10	11,05	3,25	14,80	15,20				2,68
Total.						12	1,5	3,5	7	82	51	110,5	32,5	148	152				26,77
MAY.																			
1829	52,70	67,67	87	34	53			2,5	2,5	10,5	3,5	7	5	22,5	8,5	2			2,60
1830	56,31	50,19	84	34	50		3		2,5	7	,5	13	5	21	10	2,5			4,67
1831	58,01	64,54	90	32	58		1			17	2	9	2	20	11	6	1		3,20
1832	55,74	52,13	79	36	43	4			1,5	9,5	1	7,5	7,5	14,5	16,5	9			3,64
1833	58,08	62,88	82	36	46	3		5,5	1	2	13	3	3,5	16	15	11			6,87
1834	46,80	63,68	87	28	59	4,5	1		1,5	7	7,5	7,5	2	18	13	8	1		3,60
1835	52,57	59,26	83	40	43					15	5	7,5	3,5	21	10	4		1	4,30
1836	55,90	59,25	84	34	50			3,5	7,5	6	3,5	6	4,5	14,5	16,5	13			7,95
1837	51,70	52,95	72	40	32				1	11,5	4,5	10	4	17	14	6			3,35
1838	50,49	49,19	76	27	49				1	3	8	15,5	3,5	15	16	8	1		5,10
Mean.	53,83	57,67				1,15	1,05	,70	1,95	9,95	3,55	8,60	4,05	17,95	13,05				4,53
Total.						11,5	10,5	7	19,5	99,5	35,5	86	40,5	179,5	130,5				45,28

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	67,90	63,48	90	50	40	2		2	,5	8	1	9,5	7	20	10	4			1,47
1830	64,04	62,08	82	48	34		2		4,5	14,5		8	1	13	17	5			7,78
1831	70,01	66,33	90	54	36	2	,5	,5	12		3	11	1	18,5	11,5	11			4,49
1832	64,50	71,22	88	47	41	2			2	5	2	17	2	20,5	9,5	7			1,15
1833	58,52	66,99	85	42	43	4,5			1,5	11,5	2	8	2,5	19	11	7			2,85
1834	63,54	67,51	91	50	41	2				9,5	6	10	2,5	17	13	5			1,80
1835	64,55	68,48	88	51	37	1			1	13	2,5	10,5	2	20	10	7			3,80
1836	63,62	62,74	86	50	36		1	5	4	9	3	5	3	19	11	9			5,10
1837	62,32	66,11	86	46	40	,5		,5	1,5	10	6,5	11		19	11	10			3,72
1838	67,37	74,43	89	51	38	,5		1		5,5	10,5	11	1,5	19,5	10,5	9			6,75
Mean.	64,64	66,94				1,45	,35	,90	2,70	8,60	3,65	10,10	2,25	18,55	11,45				3,89
Total.						14,5	3,5	9	27	86	36,5	101	22,5	185,5	114,5				38,91
JULY.																			
1829	63,04	65,34	88	50	38	1,5	1,5	1	1	6	3,5	16,5		17	14	2			3,03
1830	66,05	77,17	89	53	36	1	1,5		1	6,5	,5	19	1,5	27	4	2			3,58
1831	68,87	72,05	90	50	40	,5	,5	3,5	,5	10,5	1,5	12,5	1,5	15	16	15			3,91
1832	70,88	67,61	91	58	33				3	7	3,5	9,5	8	17	14	9			3,30
1833	69,38	70,49	92	56	36		1			11	2	17		19	12	12			4,91
1834	74,65	69,38	94	56	38		2		1	9	8	6	5	16	15	10			3,36
1835	71,13	69,27	90	50	40			1	,5	12	4	10,5	3	21	10	8			4,05
1836	63,89	65,04	84	51	33	1		4		7	6	12	1	22	9	5			,75
1837	70,91	67,76	84	52	32			1		9,5	5	13,5	2	18	13	4			3,18
1838	76,02	70,43	93	58	35				1,5	10	8,5	9,5	1,5	18,5	12,5	8			2,10
Mean.	69,48	69,45				,40	,65	1,05	,85	8,85	4,70	12,60	3,70	19,05	11,95				3,22
Total.						4	6,5	10,5	8,5	88,5	47	126	37	190,5	119,5				32,17
AUGUST.																			
1829	69,12	66,74	86	50	36	1		1		3	3	19	4	26,5	9,5	1			1,34
1830	66,34	64,64	93	52	41	1	2	,5		10	1	12,5	4	25	6	5			1,42
1831	69,41	68,80	90	44	46	2		2,5	2,5	4	5,5	7	7,5	18,5	12,5	9			3,78
1832	71,14	65,58	92	44	48	1	1			12	2,5	13	1,5	18,5	12,5	10			3,03
1833	69,64	65,24	86	49	37	7,5				10,5	3,5	8	1,5	16	15	11			4,35
1834	73,54	63,70	93	44	49	1,5	,5		,5	5	5,5	15,5	2,5	21	10	9			4,75
1835	67,33	69,44	86	44	42			,5		9	5	14,5	2	18	13	9			4,22
1836	66,42	60,29	83	41	42	3		,5	1	3,5	6,5	11	5,5	21	10	5			1,60
1837	65,71	57,97	81	44	37			1		10	5,5	11	3,5	16	15	9			4,73
1838	68,85	70,97	87	50	37				,5	9	9	11	1,5	23,5	7,5	6			1,96
Mean.	68,75	65,34				1,70	,35	,60	,45	7,60	4,70	12,25	3,35	20,40	10,60				3,12
Total.						17	3,5	6	4,5	76	47	122,5	33,5	204	106				31,18

SEPTEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	58,45	52,41	84	34	50	,5	1			5,5	2	19	2	13	17	4			3,54
1830	59,47	53,41	75	38	37	1		1	1	9,5		9,5	8	19,5	10,5	2,5			1,70
1831	61,71	56,44	79	38	41	1,5	1	,5	1,5	4	7	7	7,5	8,5	21,5	10			3,01
1832	58,66	62,73	84	40	44					15,5		11	3,5	13,5	16,5	13	2		2,00
1833	58,72	61,55	84	41	43	1			3	8,5	2,5	13,5	1,5	16	14	10			3,54
1834	54,56	58,99	82	38	44	1			4	8,5	5,5	6	5	20	10	5			2,90
1835	56,71	52,15	84	38	46					2	12	13	3	18	12	5		1	3,70
1836	54,51	51,23	72	34	38	3,5		1	4,5	3,5	4,5	10	3	14	16	6	1		2,00
1837	53,57	57,80	77	42	35	1				7	5	14	3	13	17	7			4,00
1838	60,96	52,36	80	32	48				1	8,5	3,5	12,5	4,5	14,5	15,5	8			1,67
Mean.	57,73	55,91				,95	,20	,25	1,50	7,25	4,20	11,55	4,10	15,00	15,00				2,81
Total.						9,5	2	2,5	15	72,5	42	115,5	41	150	150				28,06
OCTOBER.																			
1829	46,86	49,68	74	30	44				2	4	6	9,5	9,5	19,5	11,5	3			2,15
1830	55,57	47,60	75	34	41	2		3		16		10		19	12	1			2,08
1831	51,89	46,06	79	28	51	,5		,5		8	7,5	9	5,5	14,5	16,5	12			3,90
1832	51,06	46,70	76	21	55	,5				7,5	4	11,5	7,5	14,5	16,5	13			2,11
1833	52,87	43,60	70	20	50					9	4,5	15	2,5	9,5	21,5	11	1	1	3,85
1834	52,42	43,79	73	24	49					5	7	12	7	16,5	14,5	9			2,31
1835	53,08	48,31	78	30	48	2				9,5	4,5	11	4	18	13	5	1		4,00
1836	44,94	39,89	70	24	46	1			,5	1,5	4,5	18	5,5	9	22	6	2	2	3,60
1837	44,79	48,40	78	31	47				1	1,5	8,5	13	7	13,5	17,5	10			3,99
1838	44,51	44,53	70	20	50				1	3	9,5	16,5	1	11,5	19,5	12	2		4,66
Mean.	49,80	45,86				,60		,35	,45	6,50	5,60	12,55	4,95	14,55	16,45				3,26
Total.						6		3,5	4,5	65	56	125,5	49,5	145,5	164,5				32,65
NOVEMBER.																			
1829	37,50	35,00	50	17	33				3,5	5,5	7	14		8,5	21,5	3			1,75
1830	46,68	40,03	64	32	32	3		,5	1	14,5	5	6		10	20	5	2,5		3,50
1831	39,03	30,66	50	14	36			1,5		7,5	5	14	2	8	22	7		1	3,11
1832	41,17	37,55	70	17	53					13,5	4,5	6,5	5,5	8,5	21,5	11	2	1	2,59
1833	37,46	33,49	60	16	44	2		1	1,5	9,5	4,5	8,5	3	9	21	3	4	1	2,40
1834	35,15	34,02	58	20	38	2		1	1	3,5	3	15,5	4	8	22	6	3		3,11
1835	38,90	24,01	30	8	22					2,5	6,5	17,5	3,5	9	21	2	5	1	3,06
1836	34,93	33,11	50	18	32	3				4	4,5	11,5	7	3,5	26,5	3	6		1,25
1837	40,74	38,57	60	18	42					7	4,5	14	4,5	5	25	8	4		3,81
1838	37,84	27,52	60	4	56				1	1	7,5	12	8,5	6	24	4	8		3,17
Mean.	38,95	33,40				1,00	,20	,20	,80	6,85	5,20	11,95	3,80	7,55	22,45				2,77
Total.						10	2	2	8	68,5	52	119,5	38	75,5	224,5				27,75

DECEMBER.

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	36,55	35,76	61	14 47			5	5	2,5	6,5	11,5	6	3,5	9,5	21,5	1	3		2,17
1830	33,20	28,34	48	2 46	1	1	5	1	3,5	11	5	11	2	8	23	1	2		2,75
1831	17,26	17,26	32	4 28					5	4	16	6	10	21		7		1,81	
1832	35,40	28,82	50	10 40				2,5	2	10	1,5	7	8	4,5	26,5	7	5		2,63
1833	27,84	28,49	50	10 40	3	2		4	4,5	6,5	1	5,5	4,5	4,5	26,5	4	5	2	3,86
1834	28,48	19,41	48	6 54	4				1	3	4	10,5	8,5	12	19	6	4		2,21
1835	23,84	23,96	27	9 36	1,5				1,5	5,5	4,5	11,5	6,5	5	26		4	1	2,05
1836	24,24	18,89	48	0 48	5,5		5		2	5	5,5	8	4,5	3	28	2	6		1,59
1837	32,46	23,06	48	8 40	2				5	6,5	5	11	6	8	23	5	6		2,85
1838		12,17	38	0 38	2	1			2		5,5	12,5	8	5,5	25,5		7	1	1,68
Mean.	28,81	23,62				1,90		50	80	1,95	5,90	4,30	9,90	5,75	7,00	24,00			2,36
Total.						19	5	8	19,5	59	43	99	57,5	70	240				23,60

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.							
	MEAN TEMPERATURE.		Whole month.	Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	Rain gage. Total fall.
	First Half.	Seco'd Half.																						
January,--	25.08	21.57	23.80	66	-10	76	1.35	1.55	.70	1.15	7.95	4.15	9.60	4.55	67	22	W 48	14.47	7.95	22.05			2.94	29.42
February,--	19.71	22.47	21.09	59	-11	70	1.10	.35	.65	1.65	7.60	3.15	10.45	4.25	63	37	W 49	14.74	9.70	18.50			2.13	31.26
March, ---	29.31	34.37	31.84	70	-9	78	1.70	.70	.55	.70	9.70	3.40	10.10	5.13	61	44	W 55	16.67	11.70	19.30			2.31	23.09
April, ----	43.03	49.55	46.39	88	-22	66	1.20	.15	.35	.70	8.20	5.10	11.05	3.25	61	28	W 60	18.08	14.30	15.20			2.68	26.77
May, ----	53.53	57.67	55.75	90	-27	63	1.15	.15	.35	.70	9.95	3.55	8.60	4.05	44	39	W 39	11.71	17.95	13.05			4.33	45.28
June, ----	64.64	66.94	65.75	91	-42	49	1.45	.35	.90	2.70	9.95	3.65	5.60	3.75	44	29	W 39	11.71	15.55	11.45			3.89	38.91
July, ----	69.48	69.45	69.46	94	-50	44	1.45	.65	1.95	3.55	9.85	4.70	12.60	3.70	56	00	W 63	18.97	19.05	11.95			3.22	32.17
August, ---	68.75	65.34	67.04	93	-41	52	1.70	.35	.60	3.45	1.60	4.70	12.35	3.35	69	29	W 59	17.75	20.40	10.60			3.12	31.18
September, --	57.73	55.91	56.82	84	-92	52	1.95	.20	.35	1.50	7.25	4.20	11.55	4.10	65	23	W 58	17.50	15.00	15.00			2.81	28.06
October, ---	49.80	45.56	47.83	79	-20	59	1.60	.35	.45	6.50	5.60	12.55	4.45	70	57	W 74	22.36	14.55	16.45			3.26	32.65	
November, --	35.95	33.40	36.12	70	-4	66	1.90	.20	.20	5.80	6.85	5.20	11.95	3.80	67	04	W 63	18.97	7.55	22.45			2.77	27.75
December, --	28.81	23.62	26.22	61	-6	67	1.90	.50	.50	1.95	5.90	4.30	9.90	5.75	74	22	W 50	15.00	7.00	24.00			2.36	23.60
Mean. ----	45.75	45.51	45.61				1.12	.50	.59	1.24	7.91	4.22	10.89	4.09	S 6° 54'	W 59	17.64	13.68	16.67			3.08	30.84	

Highest degree, July 25, 1834. - - - - - 94°
 Lowest degree, February 24, 1832. - - - - - -11°
 Extreme range in 10 years. - - - - - 105°
 Greatest monthly range in March.
 Total fall of rain and snow in 10 years, 30 feet 10.14 inches.

Least monthly range in July.
 Mean monthly range, 62°
 Driest month, March.
 Wettest month, May.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1829	24.09	19.61	30.71	46.32	60.18	65.49	64.19	67.99	55.43	48.27	36.20	36.15	46.22	90	0	90	55	January 3,	June 13,	September 27,	November 14,
1830	22.50	24.86	35.20	52.02	53.25	63.42	71.83	65.49	56.44	51.58	43.85	39.72	48.86	93	-8	101	55	January 30,	July 21, 26,	September 18,	November 23,
1831	19.99	21.05	33.61	46.21	61.27	68.21	70.46	69.10	59.07	49.24	34.98	17.25	46.28	90	-4	94	60	February 6,	August 19,	September 17,	November 21,
1832	25.01	22.76	35.06	42.45	53.89	67.86	69.24	68.36	60.70	48.88	39.86	32.11	47.16	92	-11	103	67	January 26,	August 14,	October 14,	November 15,
1833	29.23	21.75	31.39	52.66	60.48	62.75	69.93	67.44	60.13	48.23	35.47	28.16	47.29	92	0	32	63	March 2,	July 24,	September 14,	October 29,
1834	22.32	22.78	33.73	49.94	55.24	65.02	72.01	68.62	56.77	44.10	34.57	23.94	46.92	94	-9	97	59	December 13,	July 24,	October 7,	November 29,
1835	23.26	18.10	23.85	37.91	55.91	66.51	70.20	68.35	54.43	50.69	31.05	22.90	43.68	90	-9	99	55	December 16,	July 11,	September 16,	October 24,
1836	22.68	19.24	27.53	44.57	59.63	68.18	64.46	63.40	57.87	42.42	34.02	21.36	43.78	87	-2	95	52	February 2,	June 14,	September 6,	October 25,
1837	14.64	17.18	27.30	41.58	51.70	64.21	69.38	59.45	55.68	46.59	39.66	27.70	42.92	88	-2	96	53	January 21,	August 14,	September 21,	October 9,
1838	29.69	18.60	35.03	38.85	49.68	70.33	73.22	69.92	56.66	44.52	32.63	16.27	44.20	93	0	93	56	January 31,	July 6,	September 21,	October 9,
Mean.	23.34	21.09	31.84	45.34	55.92	65.70	69.48	66.81	57.32	47.86	36.14	26.65	45.73								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1829	9	4,5	10,5	16	78,5	48,5	139	59	S 69 43' W	55	202,56	183	182	22	11	1
1830	9,5	18,5	9	17	128,5	15	142	25,5	S 51 31 W	48	174,38	214,5	150,5	21,5	14	
1831	9,5	7,5	9,5	7	103	51,5	133	44	S 66 30 W	59	214,06	161	204	88	30	1
1832	13	3	3,5	12	122,5	23	118,5	70,5	S 64 15 W	52	189,30	150	216	97	31	6
1833	26	15,5	7	18,5	118,5	26,5	106	42,5	S 89 55 W	35	129,25	152	213	84	27	4
1834	21,5	6	2	13	96	63	118,5	45	S 60 20 W	56	206,50	183	182	75	20	2
1835	17,5	1,5	4,5	7	100,5	61	129	44	S 57 30 W	51	185,28	169	196	52	39	6
1836	20,5	1,5	18,5	25	69	62	118,5	51	S 67 50 W	54	195,60	138,5	227,5	62	38	5
1837	5,5	2,5	3,5	7	85	69	135	53,5	S 38 12 W	40	147,83	149,5	215,5	68	30	2
1838	4,5	4	3	14	58	78,5	160	43	S 69 35 W	67	245,63	145	220	67	40	3
Mean.	13,65	6,45	7,10	13,65	95,95	49,80	129,95	47,80	S 58° 1' W	46	166,64	164,55	200,65			
Total.	136,5	64,5	71	136,5	959,5	498	1299,5	478				1645,5	2006,5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1829	3,15	2,86	2,87	3,27	2,60	1,47	3,03	1,34	8,54	2,15	1,75	2,17	80,20	August.	September.
1830	3,34	1,60	2,70	1,43	4,67	7,73	3,58	1,42	1,70	2,08	3,50	2,75	86,60	August.	June.
1831	3,32	2,49	2,03	3,76	3,20	4,49	3,91	3,73	3,01	3,90	3,11	1,81	88,90	December.	June.
1832	2,32	3,86	1,11	2,21	3,64	1,15	3,30	3,03	2,00	2,11	2,59	2,63	80,04	March.	May.
1833	1,71	3,20	3,85	1,46	6,87	2,85	4,91	4,35	3,54	3,85	2,40	3,86	39,85	March.	May.
1834	2,34	3,66	3,41	3,13	3,60	1,80	3,36	4,75	2,90	2,31	3,11	2,21	36,58	June.	August.
1835	2,64	3,95	3,12	3,76	4,30	3,30	4,05	4,42	3,70	4,00	3,06	2,05	48,85	December.	August.
1836	0,00	3,49	2,37	3,80	7,95	5,10	7,75	1,60	2,00	3,60	1,25	1,59	39,50	July.	January.
1837	2,62	4,25	2,62	1,10	3,35	3,72	3,18	4,73	4,00	3,99	3,81	2,85	40,22	April.	August.
1838	1,95	1,90	2,01	2,80	5,10	6,75	2,10	1,96	1,67	4,66	3,17	1,68	35,75	September.	June.
Mean.	2,94	3,13	2,31	2,68	4,53	3,89	3,22	3,12	2,81	3,26	2,77	2,36	37,15		
Total.	29,39	31,26	23,09	26,77	45,28	38,91	32,17	31,35	23,06	32,65	27,75	23,60	371,49		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1829	6	3	7	23	30	17	30	6	24	12	17	19	22	12	22	25	1	27	25	21	2	12	6	4
1830	30	3	10	5	30	9	30	3	4	26	16	21	26	5	23	27	22	28	12	17	15	29	3	22
1831	4	21	28	6	23	16	15	9	29	9	1	23	4	10	19	28	8	30	2	28	9	30	23	22
1832	18	26	28	24	9	18	14	22	12	4	30	5	5	12	14	25	19	13	17	26	4	14	8	22
1833	4	17	17	6	20	2	29	13	18	3	22	3	24	29	25	19	18	22	1	30	11	14	4	12
1834	17	24	22	7	18	21	15	1	25	16	21	3	25	29	5	31	16	9	14	31	8	21	3	30
1835	25	4	19	5	28	4	27	13	31	7	28	23	10	26	11	31	5	30	29	13	3	29	25	16
1836	7	27	27	2	11	14	26	2	25	7	14	22	24	11	9	25	16	25	1	31	8	2	13	22
1837	30	2	11	18	13	17	28	1	29	4	14	5	4	25	14	4	28	30	22	31	8	28	6	22
1838	4	31	8	19	14	2	25	16	31	25	30	5	6	25	21	26	17	23	5	31	6	24	5	30

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1829	50	0	46	0	65	10	71	30	87	34	90	50	88	50	86	50	84	34	74	30	50	17	61	14
1830	47	— 8	51	3	64	9	83	30	84	34	82	14	89	53	93	52	75	38	75	34	64	32	48	2
1831	54	— 2	51	— 4	70	10	69	30	90	32	90	54	90	50	90	44	79	38	79	28	50	14	32	4
1832	51	— 10	49	— 11	68	4	77	22	79	36	88	47	91	58	92	44	84	40	76	21	70	17	50	10
1833	66	4	52	4	67	4	88	28	82	36	85	42	92	56	86	49	84	41	70	20	60	16	50	10
1834	49	— 3	59	5	57	20	78	30	87	28	91	50	94	56	93	44	82	38	73	24	58	20	48	— 2
1835	46	— 6	36	— 4	47	— 8	52	22	83	40	88	51	90	50	86	44	84	38	78	30	38	8	27	— 9
1836	39	0	44	— 8	48	8	87	30	84	34	86	50	84	51	83	41	72	34	70	24	50	18	48	0
1837	50	— 8	32	— 5	44	11	72	27	72	40	86	46	84	52	81	44	77	42	78	31	60	18	48	8
1838	59	4	34	0	56	0	60	23	76	27	89	51	93	58	87	50	80	32	70	20	60	4	38	0
Highest.	66		59		70		88		90		91		94		93		84		79		70		61	
Lowest.		— 10		— 11		— 8		22		28		42		50		41		32		20		4		— 2
Range.		76		70		78		66		62		49		44		52		52		59		66		63

SUMMARY OF OBSERVATIONS AT CAYUGA ACADEMY,

LEDYARD, CAYUGA COUNTY, N. Y., DURING 14 YEARS.

Latitude N. 42° 43'; Longitude W. 76° 37'. Elevation above tide, 447 feet. Elevation above Cayuga lake, 60 feet.

[The village of Aurora is situated on the east bank of Cayuga lake, twelve miles south of Cayuga Bridge, and sixteen and a half southwest from Auburn. The breadth of the lake at this place is four miles, and its depth, as found by actual measurement, is two hundred and eighty feet. The Academy is situated a few rods from the shore of the lake. The severity of the winter is much mitigated by the vicinity of the lake, which has never been frozen over opposite to this place for any length of time. The lowest degree in 1826-7 was —2. Snow is also rare. It frequently, in the winter, rains here, when a few miles east it snows. In the spring it is found that vegetation along the shore commences about ten days earlier than it does five miles east. The winds are very variable and unstable. They not unfrequently in the course of twenty-four hours shift to every point, but the most general direction is either north or south.—*Report of 1827.*]

OBSERVERS.

1827, (Rain gage only,) S. STRONG, Principal. 1830, '1, '2, '4, SALEM TOWN, Principal. 1838, (Ex. rain gage,) LEWIS BIXBY, Principal. 1840, do G. W. SCHENOK and J. T. FOSTER, Principals. 1841, do not stated. 1842, do EDWARD COOPER, Principal.	1843, (Ex. rain gage,) G. BRAINARD, Principal and ALBERT MANDELL. 1844, GEORGE B. GLENDENING, A. M., Principal. 1845, (Ex. rain gage,) G. B. GLENDENING and CHARLES G. BRUNDIGE, Principals. 1846, do C. G. BRUNDIGE, Principal, and ALBERT MANDELL. 1850, MARY G. LAWRENCE.
---	--

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827																			3,54
1830	32,46	21,18	46	046		1,5	,5		3,5	10,5	2	3	10	23	8		4		1,08
1831	25,05	18,94	57	453	10		,5		,5	5		8	7	10,5	20,5	,5	8		4,42
1832	30,16	25,08	57	259	2				2,5	12,5		13	1	9,5	21,5	1,5	4,5		1,61
1834	25,49	26,51	58	058	13					10,5		1,5	6	15	16		3,5		1,08
1838	39,75	29,03	57	255	4,5			,5	1	16	4	2	3	13,5	17,5		1		
1840	15,95	20,79	48	654						6,5	7	6,5	11	12,5	18,5	2	1		
1841	31,51	33,36	52	658	,5			3	6	2,5	10,5	4,5	4	7,5	23,5	2,5	4		
1842	32,54	36,16	56	650	2				3,5	11,5	2	6,5	5,5	9	22	3	4		
1843	39,66	36,94	60	1248	5	1			2	13,5	1	4	4,5	7	24	3	4		
1844	26,90	17,24	40	040	4,5	5	1	5	5	4,5		2,5	8,5	16	15	11	5		,75
1845	28,44	25,31	50	842	3,5	6	2	3,5	5	8,5	6	3,5	5,5	13,5	17,5		8,5		
1846	32,98	26,29	60	852	4,5					8,5	6	4,5	7,5	10,5	20,5	2	7		
1850	31,28	36,05	62	1052	,5	,5			1	5,5	8,5	2,5	12,5	8	23	1	2		1,07
Mean.	30,16	27,14				3,96	1,07	,50	2,19	8,61	3,30	4,76	6,61	11,96	19,04				1,93
Total.						51,5	13,5	6,5	28,5	112	43	62	86	155,5	247,5				13,55

FEBRUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827																			2,12
1830	21,31	33,76	49	8	41	3,5		1	1,5	8,5	,5	2,5	10,5	26	2		2		,63
1831	18,05	25,11	50	—	252	4			1	9	1	8,5	4,5	17	11	1,5	2		1,34
1832	28,35	22,42	50	—	252	9				13,5		6	,5	7	22	1	6	1	2,43
1834	29,93	37,90	62		953	15,5				11,5		1		8,5	19,5	1,5	1,5		1,01
1838	22,99	17,68	46	5	41	5,5	1		2,5	4	1	2	12	5	23		8		
1840	29,92	39,77	60	—	464	4,5				14	1	2,5	7	15,5	13,5	3,5			
1841	25,16	33,11	49	—	1059		1,5	2	4	,5	8	7,5	4,5	10,5	17,5		1		
1842	39,11	32,04	60		1446	3			1	11,5	1	7	4,5	7,5	20,5	5	4		
1843	23,82	25,11	38		1226	2,5	1,5	1	,5	3,5	1,5	5	12,5	4	24	1	4		
1844	25,97	30,35	46		838	1,5	5,5	1,5	3,5	7	4	3,5	2,5	21,5	7,5		9	1	,25
1845	18,33	38,52	65		263	4,5	3,5	1,5	6	6		1	5,5	12,5	15,5		5,5		
1846	28,54	20,26	48		444	,5				3,5	7	12	5	6,5	21,5		5		
1850	31,08	34,20	63		657	2,5	1,5			6,5	5,5	4	8	11,5	16,5	1	3		3,48
Mean.	26,35	30,01				4,35	1,11	,54	1,54	7,71	2,35	4,73	6,00	11,77	16,46				1,61
Total.						56,5	14,5	7	20	99	30,5	61,5	78	153	214				11,26

MARCH.

1827																			2,86
1830	33,51	39,62	60	14	46	3,5	,5			13,5		3,5	10	20,5	10,5	3	2,5	,5	3,20
1831	41,53	42,81	69	18	51	5			,5	12,5		8,5	4,5	16	15	2	1,5		1,24
1832	36,95	39,40	76	10	66	9		,5		18,5		3		15	16	2,5	2		1,01
1834	33,83	36,17	60	14	46	10				13,5		,5	7	13,5	17,5	2,5	2,5		2,09
1838	36,74	43,85	68	8	60	6,5	,5	2	3	11	3		5	8	23	1	1		
1840	38,28	39,52	72	18	54	1			,5	16,5	2,5	1,5	9	18	13	4	1,5		
1841	30,39	40,65	70	—	74	8	,5	,5	6	7	1,5	6	1,5	12,5	18,5	3,5	5,5	,5	
1842	41,77	43,18	70	16	54	11		,5	1,5	9	1,5	4,5	3	12	19	8	4	1	
1843	25,33	28,35	50	8	42	1,5	,5	,5	4,5	1,5	1,5	11	10	17,5	13,5	1	8	4	
1844	36,84	31,78	58	14	44	6	6	,5	3	5,5		3,5	6,5	15	16	7	5		,70
1845	36,18	38,03	74	14	60	1,5		,5	4	10,5	1	2	11,5	12,5	18,5	,5	4,5	,5	
1846	35,22	40,22	60	2	58	,5			,5	2	7	16	5	15,5	15,5	4	2		
1850	36,63	32,91	64	6	58				1	2,5	9,5	3	15	17,5	13,5		1		,40
Mean.	35,63	38,19				4,88	,61	,38	1,89	9,50	2,12	4,85	6,77	14,73	16,27				1,64
Total.						63,5	8	5	24,5	123,5	27,5	63	88	193,5	209,5				11,50

APRIL.

1827																			2,51
1830	44,96	53,40	76	27	49	8	2	,5	2	8,5	1,5	2	5,5	20,5	9,5	5,5			2,10
1831	46,95	51,68	74	30	44	5,5				9,5	,5	12,5	2	19	11	6	,5		3,33
1832	41,36	43,15	85	24	61	18,5				10,5	,5	,5		19	11	4,5			1,93
1834	46,49	42,65	81	20	61	12,5				11	3		3,5	12	18	4,5	,5		2,34
1838	40,87	40,64	68	22	46	5,5	,5		4	7,5	,5	3	9	8,5	21,5	1,5			
1840	45,24	56,47	83	30	53	3,5				17,5	1,5		7,5	22,5	7,5	5,5	,5	,5	
1841	39,66	45,86	74	27	47	8,5	4,5	1,5	2	6,5	1	3	3	11	19	6,5	1		
1842	46,79	55,73	81	32	49	6		,5	1,5	16,5	1	1,5	3	12	18	9	1		
1843	41,82	50,15	71	26	45	2,5	2,5	2	5,5	3,5	,5	4,5	9	15,5	14,5	13	1	1	
1844	52,53	51,68	78	14	64	8,5	4	3	1,5	11	,5		1,5	20,5	9,5	6			1,42
1845	37,42	70,79	84	20	64	2,5	,5	,5	1,5	9	,5	5,5	10	15,5	14,5	2	2		
1846	46,51	51,15	80	28	52	,5				4,5	11	7	7	17,5	12,5	6	2		
1850	39,57	47,93	78	20	58					2	11	3,5	13,5	14,5	15,5	4	1		1,01
Mean.	43,86	50,87				6,31	1,09	,62	1,39	9,05	2,54	3,31	5,69	16,00	14,00				2,09
Total.						82	14	8	18	117,5	33	43	74,5	208	182				14,64

MAY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827																			2,13
1830	54,45	52,86	76	30	46	15			1		8,5	2	4,5	21	10	6,5			4,82
1831	50,56	64,85	88	33	55	4,5				11,5	,5	8	6,5	18,5	12,5	4,5	1	1	2,34
1832	54,12	54,05	88	32	56	19				10	1,5		,5	24	7	4			2,65
1834	45,87	62,91	84	27	57	5				21	2,5		2,5	15	16	3	1		2,34
1838	53,31	59,07	85	40	45	11			1,5	13,5	1	1,5	2,5	10,5	20,5	5			
1840	53,09	65,94	85	36	49	2,5	3,5	1,5	1,5	2,5	4	6,5	9	21	10	4,5			
1841	47,32	65,88	83	30	53	10,5				7	1,5	,5	11,5	20	11	5,5	1		
1842	55,19	64,64	79	36	43	15,5	1			9,5	,5	1	3,5	20	11	10			
1843	57,97	56,48	80	40	40	10	,5	1	3	5	1	4,5	6	18	13	4		1	
1844	55,66	58,55	80	30	50	1			,5	10	4	8,5	7	19	12	12	1		5,15
1845	54,62	55,06	84	32	52	14	,5		2,5	4	5,5	2,5	2	18	13	3,5			
1846	57,36	65,11	89	38	51					8	4	8	11	18,5	12,5	11			
1850	51,03	54,20	72	36	36	1,5					13	3,5	13	10	21	8			6,70
Mean.	53,12	59,97				8,42	,42	,19	,77	7,85	3,65	3,58	6,12	17,96	13,04				3,73
Total.						109,5	5,5	2,5	10	102	47,5	46,5	79,5	233,5	169,5				26,13
JUNE.																			
1827																			5,25
1830	62,53	63,64	85	46	39	9,5		1	,5	9		2	8	14,5	15,5	11,5			6,47
1831	71,04	67,17	88	50	38	4,5		,5	1	14	,5	9	,5	21,5	8,5	5,5			4,78
1832	64,19	68,57	90	45	45	12,5				16		,5	1	23,5	6,5	2			,88
1834	59,87	65,86	85	45	40	2				19,5	3		5,5	13,5	16,5	4,5			2,90
1838	69,07	68,49	91	50	41	9,5	1,5		3,5	11,5	1	1	2	12,5	17,5	2,5			
1840	63,80	67,24	90	45	45	5,5	6	1,5	6	,5	1	1,5	8	19,5	10,5	5			
1841	64,34	72,07	86	55	31	13,5			,5	14,5		1	,5	15	15	8			
1842	61,66	70,02	88	40	48	13,5	,5			15		1		15	15	9			
1843	58,04	71,77	90	41	49	8,5	1	2	2,5	5,5	2	5,5	3	17	13	12	1		
1844	59,53	68,82	88	40	48	7,5	1,5	1	4,5	8,5	2	1	4	22,5	7,5	8		1	2,00
1845	69,35	64,53	86	52	34	11,5			3	5,5	3	1,5	5,5	21	9	4,5			
1846	66,28	65,63	83	48	35	11				7	6	3	3	16,5	13,5	9			
1850	64,53	74,84	96	49	47	,5				,5	17	3	9	18	12	8			4,00
Mean.	64,17	68,59				8,42	,81	,46	1,65	9,77	2,73	2,31	3,85	17,69	12,31				3,75
Total.						109,5	10,5	6	21,5	127	35,5	30	50	230	160				26,28
JULY.																			
1827																			2,29
1830	68,32	71,53	92	56	36	4	,5			14	2	2,5	8	23	8	6			4,04
1831	71,10	72,08	89	50	39	4,5				14	2	8,5	2	19	12	7,5			5,13
1832	69,81	68,19	91	51	40	12				15,5		2	1,5	24,5	6,5	5			4,77
1834	72,34	72,76	92	51	41	4				22,5	,5	1	3	19	12	2,5			1,41
1838	78,81	74,45	94	56	38	11,5			3,5	13	1		2	15	16	2			
1840	69,92	71,60	92	50	42	2,5	,5	,5	3	1	7,5	9	7	23,5	7,5	4,5			
1841	70,31	74,14	90	60	30	16,5	,5			9,5		1,5	3	16,5	14,5	4,5			
1842	70,63	74,61	92	53	39	21				5,5	,5	,5	3,5	16,5	14,5	5			
1843	68,60	72,12	93	54	42	11	3	5,5	2	3,5	1,5	2,5	2	20,5	10,5	9			
1844	67,77	69,20	91	50	41	11,5			,5	7,5	3	3	5,5	22	9	13			5,35
1845	70,68	75,99	90	54	36	12,5	1	,5	5	5,5		3	3,5	22,5	8,5	5			
1846	73,12	74,84	92	52	39	5,5				4	7	6,5	8	15,5	15,5	8			
1850	73,98	72,00	94	57	37	2				3,5	13	2	10,5	20	11	48			4,50
Mean.	71,18	72,58				9,11	,42	,50	1,05	9,16	2,93	3,24	4,59	19,81	11,19				3,93
Total.						118,5	5,5	6,5	14	119	38	42	59,5	257,5	145,5				27,49

OBSERVATIONS AT CAYUGA ACADEMY.

53

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827																			3,59
1830	67,93	66,24	94	47	47	3,5			,5	17			10	23,5	7,5	3			1,68
1831	69,28	70,18	93	52	41	1,5		2	,5	16,5	,5	7	3	21,5	9,5	6			4,53
1832	72,46	65,58	91	51	40	8,5		,5		20,5		1,5		24,5	6,5	5			4,44
1834	73,21	63,92	90	42	48	4,5				21,5	,5	,5	4	20,5	10,5	2			3,53
1838	72,54	67,53	89	59	30	3			1	10,5	4	1	11,5	17,5	13,5	3			
1840	67,68	78,04	90	56	34	1	1,5	3,5	8,5	1	4,5	8	3	19,5	11,5	5,5			
1841	72,81	72,83	86	58	28	15,5			,5	11,5	2	,5	1	23,5	7,5	1,5			
1842	70,61	72,92	85	52	33	10,5	1	1	4,5	9	,5		4,5	20	11	5			
1843	71,28	70,27	86	58	28	13	3,5	7	2	1,5	,5	1,5	2	19,5	11,5	11			
1844	70,35	66,64	90	54	36	3	,5	1	6	7,5	4,5	4,5	4	16,5	14,5	9			3,20
1845	71,92	74,28	86	60	26	10,5		1	1	13,5	1,5	2,5	1	20	11	2			
1846	77,29	70,04	96	52	41	1,5			1	11	5	5,5	7	21,5	9,5	7			
1850	74,63	67,93	92	50	42	1				6	12	1	11	22,5	8,5	5			2,60
Mean.	71,79	69,72				5,92	,50	1,24	1,92	11,32	2,73	2,59	4,78	20,81	10,19				3,37
Total.						77	6,5	16	25,5	147	35,5	33,5	62	270,5	132,5				23,57
SEPTEMBER.																			
1827																			2,37
1830	65,13	55,52	82	36	46	9,5		,5	,5	12	2	1	4,5	19,5	10,5	6			3,39
1831	65,28	60,93	79	48	31	1,5		,5	,5	15,5		10,5	1,5	16,5	13,5	6			2,94
1832	60,59	63,23	81	42	39	8				20,5		,5	1	21	9	7			3,58
1834	63,85	59,44	87	31	56	,5				23		,5	6	12,5	17,5	4			2,60
1838	67,16	61,89	82	48	34	3	,5	1	4,5	1,5	7	2,5	10	20,5	9,5	1,5			
1840	62,68	58,87	76	44	32	2,5		1		8		10,5	8	20	10	4,5			
1841	73,08	63,48	84	50	34	7,5		1,5	1	12,5		6,5	1	14,5	15,5	2			
1842	65,47	56,45	85	43	42	13,5			1,5	10,5	2	,5	2	13	17	7			
1843	64,58	63,37	90	40	50	6	,5	6,5	5	5,5	1	2,5	3	18	12	9			
1844	67,53	56,53	90	34	56	3	4,5	,5	5	2,5	5,5	2	7	23	7	8			1,80
1845	62,91	58,36	74	46	28	6,5	,5		,5	10,5	1	4	7	12,5	17,5	7,5			
1846	73,06	62,66	90	45	45	3				10,5	8	5,5	3	22	8	5			
1850	64,31	60,77	88	37	51	1,5				4	13	1,5	10	14,5	15,5	5			4,94
Mean.	65,82	60,14				5,08	,47	,86	1,43	10,50	3,12	3,70	4,93	17,50	12,50				3,09
Total.						66	6	11,5	18,5	136,5	40,5	48	64	227,5	162,5				21,62
OCTOBER.																			
1827																			4,73
1830	56,02	57,18	86	35	51	12			2	15	,5	1,5		22,5	8,5	3			1,09
1831	54,13	55,22	78	29	49	2				18,5		6	4,5	18,5	12,5	5			3,22
1832	51,51	49,54	78	19	59	15			,5	14,5		1		15,5	15,5	6,5			1,95
1834	53,10	44,01	75	26	49					26,5			4,5	5	26	5			1,98
1838	52,34	39,43	74	30	44	3	1	,5	6,5	2	7,5	3	7,5	9,5	21,5	4,5	1		
1840	56,61	46,01	78	30	48	3,5	1	,5	4,5	2	7	5	7,5	15	16	4			
1841	52,19	46,35	70	28	42	9,5		,5	1,5	8	2,5	3,5	5,5	7	24				
1842	54,53	50,67	70	40	30	8,5		,5		15,5	,5	3,5	2,5	17,5	13,5	5			
1843	53,19	43,18	68	32	36	3,5	,5	1,5	3	5	4	8,5	5	12	19	9	2	2	
1844	50,04	43,08	70	28	42	3	2			8	4	5,5	8,5	17	14	7	3	3	4,95
1845	56,58	46,33	68	30	38	,5			7,5	12,5	1,5	2,5	6,5	20	10	3,5	,5		
1846	57,46	42,93	80	27	53	2,5			,5	6	5,5	8,5	11	12,5	18,5	9			
1850	52,39	49,87	76	30	46					1,5	12	3,5	14	15,5	15,5	8			4,51
Mean.	53,85	47,21				4,85	,34	,27	2,00	10,38	3,46	4,00	5,70	14,42	16,58				3,20
Total.						63	4,5	3,5	26	135	45	52	74	187,5	215,5				22,43

OBSERVATIONS AT CAYUGA ACADEMY.

NOVEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827																			1,54
1830	53,03	44,11	68	32	36	8		1		17,5		,5	3	12,5	17,5	4		2	5,62
1831	45,65	35,13	62	22	40					8		,5	18	12	18	2,5	3		1,41
1832	42,24	39,24	70	21	49	7,5				18,5			4	12,5	17,5	3	,5		2,69
1834	39,59	37,39	55	18	37	2,5				21,5		,5	5	4	26	5,5	1,5		2,64
1838	38,98	27,30	58	6	52	10,5	,5		3,5	9	,5		6	9	21	3	,5		
1840	45,93	37,57	61	24	37	2			4,5	3	2,5	5	13	12	18	4	3		
1841	46,67	37,37	72	24	48	4		4	1	10,5	1	1,5	7,5	3	27	3	4,5	1	
1842	45,79	33,95	65	24	41	7,5				16,5	2,5	3	,5	9	21	3	1		
1843	34,95	38,73	58	19	39	4	1		3	6	4,5	5	6,5	5,5	24,5	2	4	2	
1844	42,46	32,44	58	20	38	1				7,5	10	3	8,5	14	16	3	2		,65
1845	43,49	36,75	60	18	42					11,5	5	5	8,5	13	17	3,5	4,5		
1846	48,17	37,99	60	22	38	7	1	2	4,5	10	1,5		4	10	20	9	1	1	
1850	47,67	42,92	72	28	44		1		2	,5	12	1,5	13	15,5	14,5	4			3,92
Mean.	44,20	36,99				4,16	,31	,54	1,42	10,77	3,11	3,61	6,08	10,15	19,85				2,64
Total.						54	4	7	18,5	140	40,5	47	29	132	258				18,47

DECEMBER.																			
1827																			2,66
1830	36,82	31,83	56	12	44	4,5	,5		1	12		5	8	7,5	23,5	3,5	3	1	2,90
1831	33,84	28,84	49	13	36	2	,5		5	8,5	2,5	7	5,5	11,5	19,5		6,5		2,15
1832	35,02	29,28	48	12	36	13				16		2		5,5	25,5	2	,5	,5	1,12
1834	34,16	26,82	53	2	51	7,5				16,5		,5	6,5	2,5	28,5	,5	4,5		1,44
1838	27,19	24,19	40	10	30				5	8,5	3	5,5	9	10	21	,5	,5		
1840	33,28	26,85	46	12	34	1,5	2,5		4,5	2,5	2,5	5	12,5	8	23	2,5	6		
1841	42,95	30,82	57	13	44	11		1		12	2,5	4	,5	3	28	,5	6		
1842	34,77	29,45	48	18	30	11,5	1,5		1	7,5	,5	4,5	4,5	1	30		5		
1843	31,86	36,76	50	16	34	,5	2,5		2,5	8	5	8,5	4	5,5	25,5	4	8		
1844	32,19	26,64	50	8	42		1		4	5	7	6	8	6,5	24,5	3	6	2	,50
1845	23,08	26,06	44	10	34	2	,5		5	8,5	2,5	7	5,5	11,5	19,5		6,5		
1846	29,24	28,31	44	18	26	8	,5			7	1	8	6,5	10	21	4	5	1	
1850	33,78	22,79	50	2	48	4,5	2,5	1	,5	8,5	4,5	2,5	7	4	27	2	5		4,80
Mean.	32,94	28,35				4,77	,85	,16	1,77	9,27	2,39	5,81	5,96	6,65	24,35				1,19
Total.						62	11	2	23	120,5	31	75,5	77,5	86,5	316,5				15,57

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.	
	First Half.	Seco'd Half.																					
January, --	30,16	27,14	63	— 6	68	3,96	1,07	,50	2,19	8,61	3,30	4,76	6,61	5 66 29' W	32	9,78	11,96	19,04				1,93	13,55
February, --	26,35	30,01	65	— 10	75	4,35	1,11	,54	1,54	7,71	2,35	4,73	6,00	5 23 13' W	27	8,25	11,77	16,46				1,61	11,26
March, ---	35,63	38,19	76	— 4	80	4,88	,61	,88	1,59	9,50	2,12	4,45	6,77	5 76 02' W	31	9,25	14,73	16,27				1,64	11,50
April, ----	43,86	50,87	85	14	71	6,31	1,09	,62	1,39	9,05	2,54	3,31	5,69	5 22 43' W	19	5,67	16,00	14,00				2,09	14,64
May, -----	53,12	59,97	89	27	62	8,42	,42	,19	,77	7,85	3,52	3,55	6,12	5 22 40' W	31	9,48	17,96	13,04				8,73	26,18
June, -----	64,17	68,59	96	40	56	8,42	,81	,46	1,65	9,77	2,73	2,31	3,87	5 76 37' W	17	5,02	17,69	12,31				8,75	25,24
July, -----	71,15	72,58	96	50	46	9,11	,42	,50	1,05	9,16	2,93	3,24	4,59	5 44 28' W	23	7,05	19,81	11,19				9,93	27,49
August, -----	71,79	69,72	96	42	54	5,92	,50	1,24	1,92	11,32	2,73	2,59	4,78	5 44 54' W	23	7,00	20,81	10,19				9,37	23,57
September, --	65,82	60,14	90	31	59	5,08	,47	,86	1,43	10,50	3,12	3,10	4,93	5 52 04' W	26	7,83	17,50	12,50				9,09	21,62
October, ---	53,85	47,21	86	19	67	4,85	,34	,27	2,00	10,32	3,46	4,00	5,70	5 59 07' W	33	9,97	14,42	16,54				9,20	22,43
November, --	44,20	36,49	72	6	66	4,16	,31	,54	1,42	10,77	3,11	3,61	6,08	5 57 39' W	33	9,88	10,15	19,85				2,64	18,47
December, --	32,94	28,35	57	2	55	4,77	,85	,16	1,77	9,27	2,39	5,81	5,96	5 74 49' W	33	10,05	24,35				1,19	15,67	
Mean. ----	49,42	49,10				5,85	,67	,52	1,58	9,49	2,80	3,87	5,59	S 73° 01' W	27	8,11	14,95	15,48				2,68	19,85

Highest degree, June 19, 1850, July 1, 1843, and August 5, 1846, 96°

Lowest degree, February 11, 1841, -10°

Extreme range in 14 years, - - - - -106°

Greatest monthly range in March.

Total fall of rain and snow in 13 years, 19 feet 4,51 inches.

Least monthly range in July.

Mean monthly range, 63 1/2°

Driest month, December.

Wettest month, June.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1820	26,82	27,53	36,56	49,18	53,61	63,08	69,97	67,08	60,32	56,60	48,57	34,32	19,47	94	0	94	51	January 30,	July 24,	September 18,	
1821	21,92	21,54	42,17	49,31	57,70	69,10	71,59	69,78	63,10	54,67	40,39	20,31	13,48	93	-	95	55	February 6,	August 19,	October 25,	November 22,
1822	27,62	25,83	32,22	42,25	54,08	66,38	69,00	69,02	61,91	50,52	40,74	22,15	18,10	91	-	93	66	January 26,	August 14,	October 15,	November 15,
1823	26,00	23,91	35,00	41,57	54,39	62,86	72,55	68,56	61,64	45,55	38,49	30,45	18,08	92	0	92	61	December 14,	July 9,	September 23,	October 20,
1824	34,39	20,33	40,29	40,75	56,19	68,78	76,63	70,03	64,52	45,88	33,14	25,60	18,05	94	-	92	60	February 14,	July 9,	September 23,	October 20,
1825	18,37	34,84	24,93	49,59	55,59	65,52	70,76	72,86	60,77	51,31	41,75	30,06	19,62	92	0	93	64	February 4,	July 16,	October 13,	October 25,
1826	32,43	29,13	35,52	42,76	56,60	68,29	72,24	72,82	68,28	49,27	42,02	36,82	30,51	90	-	100	14	January 3,	July 24,	October 2,	October 18,
1827	34,21	35,57	42,44	51,26	60,07	65,84	72,68	71,80	60,96	52,53	39,87	32,00	21,62	92	6	98	54	January 13,	July 23,	October 26,	November 24,
1828	38,30	24,46	26,84	45,98	57,22	64,90	70,36	70,77	63,97	48,18	36,84	34,31	18,51	96	6	88	50	March 23,	July 1,	October 27,	October 23,
1829	22,07	28,16	34,81	52,10	57,10	64,17	68,48	69,49	62,08	46,54	37,25	29,41	17,52	91	0	91	64	January 27,	July 9,	October 20,	October 27,
1830	27,38	28,42	37,10	44,10	54,84	66,94	78,34	73,10	60,64	51,45	40,12	24,57	18,43	90	2	88	64	February 18,	July 14,	October 21,	October 15,
1831	27,63	24,40	37,10	44,10	54,84	66,94	78,34	73,66	67,84	50,20	43,08	28,77	50,44	96	2	94	58	February 26,	July 10,	October 23,	October 22,
1832	33,66	32,64	34,77	43,75	52,61	68,18	72,99	71,28	62,58	51,13	45,29	23,22	19,76	96	2	94	58	December 24,	August 4,	October 23,	October 22,
Mean	38,69	28,18	36,91	40,59	56,55	66,15	72,27	70,71	62,96	50,52	40,59	29,80	19,16								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1830	82,5	4	3,5	12,5	146,5	8,5	25,5	82	S 76° 20' W	21	76,58	234,5	130,5	54	12	4
1831	43	,5	3	4	145,5	5,5	124	39,5	S 61 44 W	46	169,90	200,5	164,5	47	18,5	1
1832	134		1	3	186,5	2	34	5,5	S 35 17 W	17	62,64	201,5	164,5	44	13,5	1,5
1833	77				218,5	10	5	54,5	S 24 38 W	33	121,38	141	224	35,5	15	
1838	73,5	5,5	4	39,5	108	33,5	21,5	79,5	S 81 53 W	22	81,53	139,5	152,5	24,5	12	
1840	30	15	8,5	33	60	41	61	108,5	N 87 36 W	34	124,57	207	159	49,5	14	,5
1841	105	7,5	14	22,5	102	30,5	40	43,5	N 88 24 W	16	57,13	144	221	37,5	23	1,5
1842	24	7	7,5	17	90,5	106,5	30,5	82	S 56 53 W	45	166,33	152,5	212,5	69	19	1
1843	68	18	27	35,5	62	24	63	67,5	N 68 48 W	18	67,43	160	205	78	32	10
1844	50,5	30	8,5	33,5	84,5	44,5	43	71,5	S 76 21 W	20	73,70	213,5	152,5	76	37	12
1845	69,5	12,5	6	39,5	102	23,5	40	72	S 75 04 W	18	67,02	193	172	32	32	,5
1846	44,5	1,5	2	6,5	82	69	84,5	75	S 78 22 W	49	182,40	176,5	188,5	74	22	4
1850	14	5,5	1	4,5	41	131	31,5	136,5	S 84 06 W	58	214,33	171,5	193,5	54	12	
Mean.	63,50	8,23	6,62	19,31	109,85	40,73	46,39	70,54	S 71° 30' W	28	104,36	179,61	185,46			
Total.	825,5	107	86	251	1428	529,5	603,5	917,5				2335	2413			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1827	3.54	2.12	2.86	2.51	2.13	5.25	2.29	3.59	2.37	4.73	1.54	2.66	35.59	November.	June.
1830	1.08	.63	3.20	2.10	4.32	6.47	4.01	1.68	3.48	1.09	5.62	2.90	37.11	February.	June.
1831	4.42	1.34	1.24	3.33	2.34	4.78	5.13	4.53	2.94	3.22	1.41	1.42	36.10	March.	June.
1832	1.61	2.43	1.01	1.93	2.65	.88	4.77	4.44	3.78	1.95	2.69	1.12	29.06	June.	July.
1834	1.08	1.01	2.09	2.34	2.34	2.90	1.14	8.53	2.63	1.93	2.64	1.44	25.09	February.	August.
1844	.75	.25	.70	1.42	5.15	2.00	5.35	3.20	1.80	4.95	.65	.50	26.72	February.	July.
1850	1.07	3.45	.70	1.01	6.70	4.00	4.50	2.60	4.94	4.51	8.92	4.80	42.04	March.	May.
Mean.	1.93	1.60	1.64	2.09	3.73	3.75	3.88	3.37	3.11	3.20	2.03	2.12	33.10		
Total.	13.55	11.23	11.50	14.64	26.13	26.28	27.19	23.57	21.79	22.43	18.50	14.84	231.71		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1827	27	20	21	11	26	3	3	18	27	1	13	1	10	22	5	28	14	30	2	31	3	15		
1830	14	30	21	6	30	9	30	3	4	6	14	9	24	10	23	26	5	17	27	23	15	25	3	22
1831	4	13	28	6	24	20	18	9	12	9	20	30	3	10	19	8	7	30	23	28	10	30	24	22
1832	19	26	2	16	25	17	25	8	13	5	16	3	6	30	14	25	15	5	17	28	1	15	8	22
1834	16	24	22	8	19	21	8	26	26	14	22	11	8	3	10	27	4	29	2	28	8	15	4	14
1838	16	30	8	14	23	2	5	13	15	25	14	1	9	21	6	2	4	24	2	30	3	25	22	16
1840	29	2	19	4	1	11	25	7	17	9	29	7	16	2	22	25	8	21	2	26	4	27	9	24
1841	7	3	27	11	26	17	24	12	23	3	29	3	24	31	18	23	9	30	30	25	1	28	14	22
1842	20	13	3	17	4	12	22	1	18	9	19	11	23	31	18	1	1	22	1	20	7	30	4	31
1843	11	26	4	16	28	23	26	1	14	1	27	1	1	3	26	20	17	27	6	31	17	27	17	13
1844	16	27	20	9	11	31	14	1	25	21	18	10	9	26	1	28	20	29	9	29	12	28	6	20
1845	28	31	21	13	31	15	23	8	12	15	5	30	14	3	19	2	3	22	11	21	1	29	17	11
1846	15	18	6	26	13	1	17	15	26	21	30	21	10	17	5	18	6	21	8	23	3	25	28	12
1850	25	13	9	4	13	20	27	13	28	1	19	11	17	26	4	17	23	29	11	29	5	21	3	24

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	
1830	46	0	49	8	60	14	76	27	76	30	85	46	92	56	94	47	82	36	86	35	68	32	56	12	
1831	57	4	50	—	2	69	18	74	30	88	33	88	50	89	50	93	52	79	48	78	29	62	22	36	9
1832	57	—2	50	—	2	76	10	86	24	88	32	90	45	91	51	91	51	81	42	78	19	70	21	48	12
1834	38	0	62	9	60	14	81	20	84	27	85	45	92	51	90	42	87	31	75	26	55	18	53	2	
1838	57	2	46	5	68	8	68	22	85	40	91	50	94	56	89	59	82	48	74	30	58	6	40	10	
1840	48	—6	60	—	4	72	18	83	30	85	36	90	45	92	50	90	56	76	44	78	30	61	24	46	12
1841	52	—6	49	—10	70	—	4	74	27	83	30	86	55	90	60	86	58	84	50	70	28	72	24	57	13
1842	56	6	60	14	70	16	81	32	79	36	88	40	92	53	85	52	85	43	70	40	65	24	48	18	
1843	60	12	28	12	50	8	71	26	80	40	90	41	96	54	86	58	90	40	68	32	58	19	50	16	
1844	40	0	46	8	58	14	78	14	80	34	88	40	91	50	90	54	90	34	70	28	58	20	50	8	
1845	59	8	65	2	74	14	84	20	84	32	86	52	90	54	86	60	74	46	68	30	60	18	44	10	
1846	60	8	48	4	60	2	80	28	89	38	88	48	92	53	96	52	90	45	80	27	60	22	44	18	
1850	62	10	63	6	64	6	78	20	72	36	96	49	94	67	92	50	88	37	76	30	72	28	50	2	
Highest.	60		65		76		85		89		96		96		96		90		80		72		57		
Lowest.		—6		—10		—4	14		27		40		50		42		31		19		6		2		
Range.		66		75		80	71		62		56		46		54		59		61		66		55		

SUMMARY OF OBSERVATIONS AT CHERRY VALLEY ACADEMY,

CHERRY VALLEY, OTSEGO COUNTY, N. Y., DURING 15 YEARS.

Latitude N. 42° 48'; Longitude W. 74° 47'. Elevation above tide, 1335 feet. In an elevated valley, open to the south, on the height of land which divides the tributary waters of the Susquehanna from those of the Mohawk. Surrounding country broken and hilly.

OBSERVERS.

1827 to 1831, Dr. WILLIAM CAMPBELL.

1832, WILLIAM CAMPBELL and PETER MAGNER, Trustees.

1833, WILLIAM CAMPBELL, a Trustee.

1834, 5, Rev. JOHN SMITH, Principal.

1836, Rev. JOHN SMITH and CHARLES KILBOURN, Principals.

1841, Hon. WILLIAM CAMPBELL and J. H. CARRUTH.

1842, 3, G. WASHINGTON TAYLOR, Principal, and Wm. CAMPBELL, Esq.

1844, G. W. TAYLOR, Principal, Hon. Wm. CAMPBELL and JAMES H. CARRUTH, A. M.

1845, JAMES H. CARRUTH, Principal.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1827	23,45	12,69	43	-20	63		2,5		4	4	14,5	5	1	18	13		8	1	5,54
1828	34,01	19,86	50	-18	68	2	1,5	2	1	3,5	7	9,5	4,5	10,5	20,5	2	2	1	1,67
1829	16,88	22,52	42	-12	54	1,5	5,5	1	1	1	7,5	10	3,5	10,5	20,5	2	6		3,75
1830	25,50	12,55	39	-12	51	1		3	1	4	6,5	15	,5	17,5	13,5	,5	5,5	,5	2,78
1831	20,98	31,49	52	-26	78	,5	1,5	1,5		2,5	6,5	16,5	2	14	17	,5	5	,5	3,87
1832	23,85	20,09	50	-24	74	1	2	1,5		6	8	10,5	2	11,5	19,5	5,5	1,5	,5	
1833	30,60	23,79	62	-12	74	1	2	3,5	,5	3,5	8,5	9	2	11	20	1,5	4,5		2,89
1834	17,82	20,00	50	-8	58	,5	2,5		1	2	8	16	1	16	15	4	3		1,75
1835	11,26	31,01	49	-30	79	1,5	1,5	,5		3,5	8,5	11,5	4	16,5	14,5	3,5	2,5	1	3,24
1836	26,41	13,08	35	-22	57	5,5	3	,5	,5	6	4	9	2,5	3,5	27,5	,5	9,5		5,01
1841	19,77	24,70	50	-16	66	4	2,5	3,5		3,5	7	10,5		4,5	26,5	2,5	4,5	,5	3,33
1842	18,94	28,00	51	-12	63	2	1	,5		12,5	4,5	10,5		10,5	20,5	1	3	1	2,07
1843	25,52	28,68	57	-5	62	1	1,5	3	1	3,5	8	13		11,5	19,5	1	4,5		1,85
1844	18,75	9,06	40	-15	55		3	2,5		,5	4	15,5	5,5	16	15	1	4,5	,5	2,55
1845	27,88	21,87	45	0	45	2	5	2,5		1	10,5	2,5	7,5	10	21	5	10	1	,98
Mean.	22,77	21,29				1,57	2,33	1,70	,67	3,80	7,53	10,93	2,47	12,10	18,90				3,13
Total.						23,5	35	25,5	10	57	113	164	37	181,5	283,5				43,86

FEBRUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1827	19,66	31,15	57	-15	72	1,5	,5	,5		2,5	11,5	8	3,5	13	15	3	6	1	7,00
1828	32,34	31,54	48	5	43	2	3		3,5	8	3,5	,5	4	13,5	15,5	6	4		1,56
1829	15,94	15,54	41	-15	56	,5	3	3,5	1		3	14	3	12,5	15,5		4		4,26
1830	10,68	29,75	50	-22	72	5,5	,5			5	3	12	2	18	10		1,5		,76
1831	13,87	21,79	44	-17	61		1,5	,5	1,5		3,5	17	4	19,5	8,5	1	3,5		3,41
1832	25,32	20,64	46	-13	59	,5	1,5	1	1	4	5	13	3	7,5	21,5	5	3,5	1	
1833	17,54	21,46	46	-3	49		2,5	1,5	,5	2	4,5	12	5	12,5	15,5	,5	5,5		1,93
1834	29,12	36,52	55	4	51	1,5	3,5	,5	,5	8	5	5,5	3,5	13	15	3	1,5		1,69
1835	11,50	26,03	48	-6	54	4	,5		,5	7	5,5	7,5	3	12,5	15,5	,5	5,5		1,46
1836	9,29	15,56	37	-30	67	7		1		1	3,5	13	3,5	10,5	18,5	2	3,5		3,20
1841	20,74	24,04	39	-10	49			2	1	5,5	6	11,5	2	14,5	13,5		3		,84
1842	31,19	22,57	56	3	53		,5	2,5	,5	7	5	12	,5	11	17	2,5	4,5		4,91
1843	12,47	11,53	34	-16	50		2,5	,5		,5	5	19	5	11	17		7		2,14
1844	18,75	26,61	44	-6	50	2,5	2	4,5		2,5	2,5	12	3	12,5	16,5	,5	3,5		,87
1845	11,16	35,48	54	-11	65	1	2,5				8	11,5	5	10	18	2	5	1	2,71
Mean.	18,63	24,68				1,73	1,60	1,20	,67	3,53	4,97	11,23	3,33	12,77	15,50				2,62
Total.						26	24	18	10	53	74,5	168,5	50	191,5	232,5				36,74
MARCH.																			
1827	26,03	34,35	63	-4	67	1,5	2	1	4,5	2	11	4,5	4,5	17	14	3	5		2,65
1828	30,51	38,97	78	10	68	,5	2,5	,5	1,5	6	3	11,5	5,5	21	10	3	2		1,22
1829	27,08	26,22	56	2	54	1	2,5	1		3	3	15,5	5	15	16	2	2	1	4,28
1830	25,59	36,76	58	-4	62	1	1	6		4,5	2,5	13,5	2,5	14	7	3	2,5		4,85
1831	34,63	38,83	62	3	59		,5	1,5	,5	9,5	6,5	11,5	1	11,5	19,5	3	3,5		2,64
1832	31,63	33,28	66	0	66	,5	1	2,5	,5	7,5	4	11,5	3,5	14,5	16,5	2	4	2	
1833	20,25	35,75	67	-7	74	1	,5	3	1,5	3,5	5,5	11,5	4,5	19,5	11,5	2,5	2,5		1,56
1834	34,47	33,34	60	4	56		2	2,5		4	9	12	1,5	16	15	3,5	5,5		2,65
1835	28,24	31,99	53	-2	55	4	4	1		4	4	11,5	2,5	15,5	15,5	,5	5		2,10
1836	19,32	27,10	55	-10	65		3	2		5,5	1	19	,5	13,5	17,5	1,5	4,5		1,22
1841	21,36	31,44	58	-12	70	1,5	5	3,5		2	3,5	14,5	1	14,5	16,5	2	2,5	1	3,31
1842	36,14	35,79	64	9	55		2	2,5	1	3,5	6	12	4	11,5	19,5	2,5	3	1,5	3,88
1843	16,52	21,81	40	-10	50	,5	1,5	5	,5	,5	1,5	15,5	6	16	15	,5	7,5		5,57
1844	33,92	30,04	54	9	45	1,5	2	1,5	2	5	4	9,5	5,5	13,5	17,5	2	2,5		2,85
1845	33,55	36,12	67	9	58	4	3			1,5	6,5	10	6	14,5	16,5	5	13		3,02
Mean.	27,95	32,79				1,14	2,17	2,23	,80	4,14	4,74	12,20	3,58	15,50	15,50				3,99
Total.						17	32,5	33,5	12	62	71	183,5	53,5	227,5	227,5				41,80

APRIL																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	50,18	43,51	70	22	48	3	1	1,5	5	4	3	6,5	6	16	14	7	3		4,22
1828	34,91	43,49	56	22	34	,5	2		4	4	5,5	8,5	5,5	17,5	12,5	4			2,34
1829	37,31	46,04	71	24	47		1,5	5		,5	7	13	3	12,5	17,5	3	1	1	2,20
1830	43,40	53,73	82	23	59	1,5	3,5	9,5		3,5	2,5	9	,5	19	11	5,5			2,01
1831	44,10	47,57	72	23	49	1,5	4,5	2		4	3,5	9,5	5	15,5	14,5	5	1	2,5	6,23
1832	38,55	39,97	68	14	54		1,5	2,5	4	5,5	,5	10,5	5,5	13	17	5	1,5		
1833	45,18	50,66	85	17	68	,5	3	,5		4	8,5	8	5,5	20	10	3	1,5		,95
1834	48,20	44,83	80	19	61	,5	7,5	2,5		3	1	10	5,5	17	13	4,5	2	,5	4,13
1835	45,68	38,74	72	20	52	3	5,5	1	1	2,5	3,5	13,5		12,5	17,5	2,5	7,5		3,43
1836	35,59	45,84	75	9	66	2,5	1,5	2,5		6	1,5	10	6	15	15	2,5	3,5		2,35
1841	32,54	42,81	68	17	51	,5	4,5	5,5		4	1,5	12,5	1,5	9	21	7	1,5	1	4,45
1842	41,74	48,26	82	18	64		2	7	1	3	6,5	8,5	2	16,5	13,5	6,5		,5	3,03
1843	34,03	47,31	70	16	54	,5	1	7	1	6,5	1,5	10	2,5	12	18	4	2,5		3,45
1844	48,97	51,65	76	4	72	5	2	2,5	2	4	5,5	6,5	2,5	19,5	10,5	3,5			1,70
1845	36,42	48,96	68	20	48	1	2,5	5,5	,5	1	4	6	9,5	13	17	12	4		3,02
Mean.	41,12	46,64				1,33	2,90	3,63	1,23	3,70	3,70	9,47	4,03	15,20	14,80				3,09
Total.						20	43,5	54,5	18,5	55,5	55,5	142	60,5	228	222				43,33
MAY.																			
1827	50,09	59,15	86	35	51	3,5	3		,5	4	7	7,5	5,5	21,5	9,5	3	2		1,85
1828	57,75	50,52	75	32	43	2	3	2,5	2	5,5	5	3	8	17	14	7			2,95
1829	50,49	66,69	90	30	60	1,5	1,5	2	1,5	3	5	11,5	5	10,5	11,5	7		1	4,98
1830	55,32	52,52	80	29	51		2,5	2	2	6	1	16,5	1	18,5	12,5	5,5			3,34
1831	52,14	50,74	90	30	60		4	3	1	1,5	7,5	10,5	3,5	15	16	6,5	,5	,5	4,20
1832	54,92	51,86	85	32	53	1,5	2,5	2	1,5	7	2	9	5,5	18	13	6,5	6	,5	
1833	58,21	60,91	85	29	56	1	5	2,5	2,5	7	4,5	5,5	3	17	14	10			8,39
1834	45,15	55,08	84	21	63		3,5	4	,5	3,5	3,5	15,5	,5	17	14	6,5	1		4,58
1835	48,78	49,01	80	29	51	2	4,5	,5	,5	3,5	6,5	10,5	3	20,5	10,5	4,5			1,61
1836	57,73	59,37	83	30	53	,5	2	5	1,5	4	7	7,5	3,5	17	14	8,5			2,80
1841	41,21	59,58	83	26	57	1		2	,5	3	5,5	12,5	6,5	15	16	5,5	,5		2,15
1842	47,57	53,47	73	32	41		1	2	1,5	4	4,5	14,5	3,5	14,5	16,5	6			1,80
1843	53,81	52,28	77	36	41	1,5	4,5	1,5		3	5	9,5	6	19,5	11,5	5,5			2,72
1844	55,09	55,57	80	30	50	,5	1,5	1	,5	4	8,5	10,5	4,5	12,5	18,5	10,5			7,30
1845	55,19	52,00	78	32	46	4	,5	,5		1,5	6,5	5	13	17	14	10	2		2,75
Mean.	52,89	55,25				1,27	2,60	2,03	1,08	4,03	5,25	9,94	4,80	17,30	13,70				3,67
Total.						19	39	30,5	16	60,5	79	149	72	259,5	205,5				51,42

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	64,45	61,75	91	41	50	1	,5		2	5	6,5	8	7	19,5	10,5	6			4,93
1828	64,69	74,41	96	40	56	1	2	2	1,5	4	5,5	9	5	21	9	5			5,21
1829	67,64	61,86	91	42	49		2	2	3,5	4	4	11,5	3	18	12	8			3,91
1830	60,25	62,28	85	39	46		,5	2		4	5	18,5		15,5	14,5	9,5			6,14
1831	71,25	65,78	90	42	48	1,5	5,5	,5	4	3	7	6	2,5	19,5	10,5	7			4,58
1832	61,85	68,58	87	38	49		6	1,5		1,5	10	7,5	3,5	18,5	11,5	5,5			
1833	57,60	61,49	81	33	48	1	,5	2		3	4	14	5,5	16	14	8			3,41
1834	58,38	63,06	85	31	54	1,5	1,5	2	1	3	5	14	2	17,5	12,5	8,5			3,91
1835	68,02	59,13	88	42	46	,5	3	,5	1	7	5	10	3	18,5	11,5	5,5			6,92
1836	63,39	60,55	85	48	37		4	13,5	1	2,5	3	5	1	10,5	19,5	6			5,68
1841	65,58	66,82	84	39	45	2		1,5	1	7,5	3	14	1	15	15	4,5			4,05
1842	56,72	64,82	80	32	48	1	,5	1,5	2,5	9,5	5	7	3	15,5	14,5	8			3,93
1843	57,38	66,18	89	30	53	2	1			3	8,5	13,5	2	17	13	6,5			5,01
1844	57,77	66,91	82	37	45	1,5	1,5	1		2	10,5	5	8,5	16	14	7			2,53
1845	64,87	60,98	82	45	37			2		2	8,5	5,5	12	22	8	10			3,66
Mean.	62,65	64,36				,85	1,90	2,13	1,18	4,06	6,04	9,90	3,94	17,33	12,67				4,56
Total.						13	28,5	32	17,5	61	90,5	148,5	59	260	190				63,87
JULY.																			
1827	71,30	64,31	91	48	43	,5		1,5	,5	2,5	9,5	12	4,5	20,5	10,5	9			6,22
1828	64,31	70,38	89	50	39	,5	,2	3	,5	3	7	12	4,5	13	18	12			5,77
1829	63,16	67,04	82	46	36	2		2	2,5	3	6,5	12,5	2,5	19,5	11,5	8			2,96
1830	66,24	74,41	92	48	44	1	2	2	,5	2	7,5	12	4	18,5	12,5	7,5			6,11
1831	67,37	69,16	86	42	44		1,5	,5	4,5	1	16	1,5	6	12,5	18,5	7,5			4,02
1832	67,95	65,03	95	48	47	2				3	6	13,5	6,5	14,5	16,5	8,5			
1833	66,55	64,93	88	43	45	,5			,5	3,5	5,5	18,5	2,5	16,5	14,5	9			6,89
1834	69,93	71,24	98	34	64	1,5		,5	2	3	7	10	7	23	8	4,5			2,81
1835	65,82	75,07	88	46	42	1,5	1	1		8	7	11	1,5	17	14	5,5			3,71
1836	70,53	64,18	83	43	40	1,5	3		1	4	13	5,5	3	22,5	8,5	5			2,97
1841	63,50	67,39	90	45	45		,5		4,5	4,5	4,5	14	3	21	10	4			3,03
1842	67,60	69,44	88	44	44	1,5		1		3,5	10	12	3	23,5	7,5	2,5			4,18
1843	65,36	66,50	88	44	44		1		1	2	6,5	17,5	3	21	10	5,5			4,36
1844	65,34	66,09	82	44	38	4	4				13	1,5	8,5	18	13	7,5			5,71
1845	74,14	65,50	85	49	36		,5	,5		,5	8,5	2	19	16,5	14,5	14			3,05
Mean.	67,27	68,05				1,10	,93	,80	1,17	2,90	8,50	10,37	5,23	18,50	12,50				4,41
Total.						16,5	14	12	17,5	43,5	127,5	155,5	78,5	277,5	187,5				67,79

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	68,12	62,39	88	42	46	1,5	4	1			10,5	7,5	7	19	12	7			5,98
1828	68,39	69,46	90	44	46	,5	,5	1,5		3,5	8	10,5	6,5	25	6	3			2,15
1829	67,11	63,16	89	37	52	,5	1	,5	,5	1	5,5	17	5	24	7	4			2,05
1830	65,73	59,10	88	44	44	1,5		,5		4,5	3,5	18	3	22,5	8,5	2,5			1,46
1831	66,35	69,47	90	44	46	,5	3,5				6,5	9	9,5	17,5	13,5	4			3,95
1832	72,46	65,58	91	51	40	8,5		,5		20,5		1,5		24,5	6,5	5			
1833	65,55	62,72	86	38	48	1		1		6	10	5	8	17,5	13,5	5			2,82
1834	72,18	61,91	88	42	46	1	1		1,5	1	4,5	15,5	6,5	21	10	6			1,45
1835	65,17	63,43	86	40	46	1	2,5	,5	1,5	6,5	9	7,5	2,5	20	11	7			5,17
1836	61,98	59,61	82	36	46		1	1,5		7	6,5	9	6	16,5	14,5	4			2,46
1841	66,31	66,22	82	44	38	1,5	2,5	2	2	3,5	4	11	4,5	19,5	11,5	4,5			2,57
1842	63,18	66,52	84	48	36		3	2,5	4,5	3,5	4,5	8	5	20,5	10,5	4,5			4,54
1843	66,61	67,55	84	46	38	1,5	4,5	,5	,5	2	7,5	12	2,5	16	15	9			5,27
1844	66,29	64,72	83	46	37		1		1,5		6,5	19	3	19	12	5			2,46
1845	67,82	67,87	78	46	32		2	4,5	,5		11	3,5	9,5	24,5	6,5	6			2,44
Mean.	66,88	64,51				1,23	1,77	1,10	,83	4,07	6,50	10,27	5,23	20,45	10,55				3,19
Total.						18,5	26,5	16,5	12,5	61	97,5	154	78,5	307	158				44,77
SEPTEMBER.																			
1827	62,15	49,39	84	32	52	4	3,5	1,5	2,5	1,5	8,5	4	4,5	17	13	8			5,78
1828	60,22	57,90	85	40	45	1,5	3	1,5	1	3	6,5	8,5	5	14,5	15,5	8			5,53
1829	54,57	52,06	88	28	60		,5	,5		4,5	7,5	12	5	14	16	8			4,29
1830	61,44	52,71	76	27	49	1				10,5	1,5	10,5	6,5	15,5	14,5	8,5			3,97
1831	63,08	55,86	80	36	44		1	,5	,5	4,5	8	9	6,5	13	17	7			3,97
1832	55,64	60,19	82	31	51	,5	2	,5	2	7	6	10,5	1,5	19,5	10,5	4,5			
1833	56,26	58,46	82	33	49	1,5	1,5	,5		3,5	6	15	2	19,5	10,5	5			4,10
1834	61,99	58,92	86	28	58	1,5		1	2	7	6,5	10,5	1,5	16	14	4,5			3,26
1835	60,23	49,78	88	28	60		,5	1,5	2	8,5	8	3,5	6	14,5	15,5	1,5			1,76
1836	58,43	56,77	83	32	51	2,5	1,5	3	,5	4	8	8	2,5	11,5	18,5	,5			2,74
1841	65,64	58,75	82	40	42	4	5	3,5	,5	3,5	4,5	5,5	3,5	16	14	5			3,25
1842	63,68	47,71	81	26	55	,5	2		2	2,5	4,5	15,5	3	14,5	15,5	8			6,96
1843	61,21	60,07	82	32	50	2	,5	2,5	1	1,5	7,5	12	3	19,5	10,5	5			2,70
1844	65,13	53,61	82	26	56	5,5	3	1		3	4,5	7,5	5,5	21	9	4	1		2,35
1845	56,13	59,17	78	33	45			,5	1	3,5	7	4	14	14	16	16			4,36
Mean.	60,40	55,42				1,63	1,60	1,20	1,00	4,53	6,30	9,07	4,67	16,00	14,00				3,92
Total.						24,5	24	18	15	68	94,5	136	70	240	210				54,97

OBSERVATIONS AT CHERRY VALLEY ACADEMY.

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	50,88	41,85	68	22	46	5	2		2	11	3,5	4,5	3	12	19	11	3		4,81
1828	50,39	43,07	74	20	54				2	6	4	17	2	17	13	2	2		2,07
1829	47,82	46,50	69	17	52		2	5	,5	7,5	4	7,5	4,5	19	12	5			3,28
1830	49,81	45,78	70	24	46	1	,5	2	,5	7,5	3,5	11	5	20	11	0,5			3,88
1831	49,36	50,54	75	22	53	,5	1	2		5	8,5	9	5	19,5	11,5	7		,5	5,40
1832	50,14	46,28	72	19	53	1,5	1,5	2	1,5	5	9,5	2,5	7,5	17	14	8			
1833	48,73	40,30	71	22	49		2		1	4,5	9,5	10,5	3,5	8,5	22,5	7,5	1,5	,5	4,88
1834	49,48	40,76	76	20	56	2	,5	1		9,5	5,5	8	4,5	12,5	18,5	6,5	,5		3,67
1835	48,32	52,55	83	32	51	1,5	1,5	,5	2	11	5,5	7,5	1,5	15	16	4,5			1,78
1836	40,78	45,05	62	17	45	4	1,5		,5	3	11,5	4,5	6	8,5	22,5	3,5	1,5	1	4,60
1841	42,04	36,84	66	22	44	4	1			3,5	5	8	9,5	13,5	17,5	4	,5		2,25
1842	49,71	40,76	69	25	44	1,5	,5	1	,5	5	1,5	14,5	6,5	20	11	3,5			3,73
1843	46,10	37,60	68	26	42		1	1	1	3	7	16	2	10	21	6,5	1,5		4,87
1844	46,65	43,20	68	24	44	2	3,5	,5	2	3	5,5	7,5	7	11,5	19,5	6			2,14
1845	56,58	46,68	72	19	53	2		1,5	2,5	3	9,5	3	9,5	19,5	11,5	7	1		3,62
Mean.	48,45	43,85				1,67	1,23	1,10	1,07	5,82	6,24	8,73	5,14	14,99	16,01				3,64
Total.						25	18,5	16,5	16	87,5	93,5	131	77	224,5	240				50,98
NOVEMBER.																			
1827	32,15	26,01	50	4	46	4,5	1,5		1,5	5,5	5,5	7,5	4	11	19	2	6	1	1,67
1828	41,59	31,99	60	5	55		3,5	1,5		3	8	11	3	9,5	20,5	4	2	1	3,77
1829	35,06	33,02	49	10	39	1,5	2	1,5	,5	7	7,5	7	3	11,5	18,5	6	3	1	3,26
1830	45,02	38,14	62	27	35		9,5	6,5		1,5	3	8,5	1	8,5	21,5	5,5	2	1,5	5,37
1831	38,61	30,82	54	12	42	,5	1	,5	1	2	5	17	2	6,5	23,5	3	3	,5	3,72
1832	39,68	35,17	62	16	46	2		1	1,5	5	10	8	2,5	13,5	16,5	5,5	2	1	
1833	39,95	28,15	60	9	51		2,5		1	3,5	8	13,5	1,5	11	19	2	3,5	,5	2,49
1834	31,46	31,99	54	12	42	2	1	,5	,5	5,5	5	6,5	9	12,5	17,5	3	4,5		1,37
1835	43,74	29,72	67	1	66	,5	3	1		8	6	6,5	5	8	22	3	3,5		2,44
1836	35,69	28,64	55	10	45	1,5		2	1	3	6,5	5,5	10,5	6	24	,5	,5		1,52
1841	36,29	27,35	67	13	54	1	3,5	2		4	3,5	14	2	8	22	3,5	5	,5	4,12
1842	38,37	22,33	56	8	48	,5	,5	4	1	3,5	7,5	11	2	12,5	17,5	2	4,5	,5	3,52
1843	28,10	33,88	58	2	5	1	,5	1	1	3	6	11	6,5	8	22	3	4,5		3,63
1844	39,25	28,06	50	6	44	5,5	1	1		2	8,5	8	4	10	20	3	5,5		2,97
1845	43,33	33,58	63	3	60	1,5	1	1,5	1		13	4,5	7,5	10,5	19,0	8	7	1	4,46
Mean.	37,88	30,59				1,47	2,03	1,60	,67	3,83	6,86	9,30	4,24	9,80	20,20				3,17
Total.						22	30,5	24	10	57,5	103	139,5	63,5	147	303				44,31

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	30,14	21,18	47	-12	59		5	1		3	9	2	11	14	17	6	2	1	3,60
1828	37,61	27,71	55	-5	50		,5			3	13,5	9	5	18	13	1			,15
1829	46,42	33,71	57	-8	49	2		2,5		7,5	4	13	2	12	19	2	2	1	2,78
1830	30,82	26,74	50	-14	16	1	1	1,5	2	2	6,5	11	6	4,5	26,5	3	4	1	4,38
1831	11,80	13,77	34	-12	46		3,5	,5	,5	2	10	14	,5	11,5	19,5		8		3,05
1832	29,88	23,88	44	-6	50	2	4,5	2,5	1	2,5	4,5	8,5	5,5	11,5	19,5	3,5	4,5		
1833	25,60	26,55	40	-2	42	1	5,5	7		2	14	1,5	1,5	12	19	5			3,70
1834	28,43	22,10	44	-10	54	6	2			5,5	3	10,5	4	6	25	,5	9,5		2,52
1835	16,76	20,78	40	-19	59	4	,5		1	7	6,5	10	2	4	27	2,5	10,5		1,26
1836	27,45	17,37	42	-13	55	,5	,5	,5		2,5	8	8	10	10	21	2	3,5	1,5	3,51
1841	33,00	17,62	42	-13	55		4	4	1	2,5	5,5	12,5	1,5	6,5	24,5	4	5	1	4,65
1842	26,42	21,92	40	-6	34	,5		4		4	5,5	17		8,5	21,5		4,5	,5	3,93
1843	24,91	30,41	42	0	42		2	3,5		4	4,5	13,5	3,5	4,5	26,5	,5	5		2,55
1844	27,57	22,91	48	-2	50	4	3,5			1	8,5	9,5	4,5	7	24	1,5	6,5	1	,81
1845	18,14	18,69	38	-17	55	1,5	5	1			9	6,5	8	9,5	21,5	2	14		1,35
Mean.	27,66	23,04				1,50	2,50	1,87	,37	3,10	6,66	10,60	4,40	9,37	21,63				2,73
Total.						22,5	37,5	28	5,5	46,5	100	159	66	140,5	324,5				38,24

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	
	First Half.	Seco'd half.																					
January, --	22.77	21.29	62	—30	92	1.57	2.83	1.70	.67	3.80	7.53	10.93	2.47	S 66° 06' W	47	14.26	12.10	18.90				3.13	43.86
February, --	18.63	24.68	57	—30	87	1.73	1.60	1.20	.67	3.53	4.97	11.23	3.33	S 80° 37' W	48	14.47	12.77	15.50				2.62	36.74
March, ---	27.95	32.79	73	—12	90	1.18	2.17	2.23	.80	4.13	4.73	12.20	3.57	S 77° 51' W	47	14.04	15.50	15.50				2.99	41.50
April, ----	41.12	46.64	85	4	81	1.33	2.90	3.63	1.23	3.70	3.70	9.47	4.03	S 83° 29' W	23	8.45	15.20	14.80				3.09	43.33
May, -----	52.89	55.25	90	21	69	1.27	2.60	2.03	1.08	4.03	5.25	9.94	4.80	S 80° 52' W	42	12.63	17.30	13.70				3.67	51.42
June, -----	62.65	64.36	96	31	65	1.85	1.90	2.13	1.13	4.06	6.04	9.90	3.94	S 75° 51' W	43	12.95	17.33	12.67				4.42	61.83
July, -----	67.27	68.05	98	34	64	1.10	.93	.80	1.17	2.90	8.50	10.37	5.23	S 76° 30' W	61	18.34	13.50	12.50				4.35	60.95
August, ---	67.27	64.65	90	36	54	1.23	1.77	1.10	.83	4.07	6.50	10.27	5.23	S 78° 50' W	53	15.80	20.45	10.55				3.22	45.11
September, --	60.39	55.42	88	26	62	1.63	1.60	1.20	1.00	4.53	6.30	9.07	4.67	S 75° 15' W	46	13.93	16.00	14.00				3.63	53.47
October, --	48.45	43.85	83	17	66	1.67	1.23	1.10	1.07	5.83	6.23	8.73	5.14	S 71° 03' W	49	14.86	14.99	16.01				3.71	52.02
November, --	37.88	30.86	67	1	66	1.47	2.03	1.60	.67	3.83	6.86	9.30	4.24	S 76° 33' W	47	14.02	9.50	20.20				3.35	46.89
December, --	27.66	23.04	57	—19	76	1.50	2.50	1.37	.37	3.10	6.66	10.60	4.40	S 83° 25' W	49	14.62	9.37	21.63				2.65	37.06
Mean. ----	44.58	44.24				1.46	1.96	1.71	.89	3.96	6.10	10.17	4.25	S 77° 28' W	47	14.10	14.94	15.49				3.41	47.83

Highest degree, July 26, 1834, - - - - - 98°
 Lowest degree, January 7, 1835, and February 5, 1836, - - - - - 30°
 Extreme range in 13 years, - - - - - 123°
 Greatest monthly range in January.
 Total fall of rain and snow in 14 years, 47 feet 10,51 inches.

Least monthly range in July.
 Mean monthly range, 73°
 Driest month, February.
 Wettest month, June.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1827	12, 07	25, 40	30, 18	46, 81	54, 62	63, 10	67, 85	65, 25	55, 77	46, 36	29, 08	25, 66	44, 01	91	-20	111	72	January 25,	July 1,	September 11,	November 8,
1828	26, 93	31, 94	34, 74	39, 20	54, 13	69, 55	67, 34	68, 92	59, 06	46, 73	36, 79	32, 66	47, 08	96	-18	114	68	January 24,	June 27,	September 18,	November 3,
1829	19, 70	15, 74	26, 65	41, 67	58, 59	64, 75	65, 10	65, 14	53, 52	47, 09	34, 04	40, 06	44, 33	91	-15	106	69	February 5,	July 6,	September 18,	November 3,
1830	19, 02	20, 19	31, 17	48, 56	53, 92	61, 27	70, 32	62, 41	57, 07	47, 19	41, 38	25, 78	45, 17	92	-22	114	72	February 7,	August 21,	October 1,	October 27,
1831	26, 24	17, 83	35, 73	45, 83	51, 44	68, 52	68, 26	67, 31	59, 47	49, 35	34, 71	12, 78	44, 58	90	-25	116	73	January 21,	July 5,	September 23,	November 14,
1832	21, 97	22, 98	32, 44	39, 26	53, 39	64, 21	66, 49	66, 22	57, 92	48, 21	37, 43	26, 88	44, 78	95	-17	119	74	January 27,	July 14,	September 3,	October 20,
1833	27, 19	13, 50	25, 00	47, 92	59, 56	60, 55	65, 74	64, 18	57, 36	44, 51	34, 01	26, 07	44, 55	93	-10	108	64	January 11,	July 26,	September 29,	October 22,
1834	18, 91	32, 82	33, 90	46, 01	59, 12	60, 12	70, 61	67, 04	60, 45	45, 12	31, 71	25, 20	43, 22	93	-12	109	74	January 11,	June 4,	September 29,	October 22,
1835	21, 13	18, 76	30, 13	42, 21	49, 90	63, 57	70, 44	64, 30	55, 00	50, 49	36, 73	18, 72	41, 44	93	-30	118	79	February 5,	July 18,	August 21,	September 28,
1836	19, 74	12, 42	23, 21	40, 72	58, 35	61, 97	67, 60	60, 79	57, 60	37, 91	32, 16	22, 41	41, 25	90	-16	106	70	January 4,	July 24,	October 7,	October 20,
1841	22, 42	25, 39	26, 40	37, 68	50, 39	66, 20	65, 39	66, 26	62, 19	39, 44	31, 82	25, 31	42, 97	90	-12	100	64	January 13,	July 13,	September 22,	November 12,
1842	23, 47	25, 85	35, 90	45, 00	52, 60	71, 75	65, 55	64, 85	55, 69	45, 23	30, 35	24, 17	44, 23	89	-16	105	62	February 17,	July 1,	September 28,	October 17,
1843	27, 10	12, 00	19, 16	40, 67	53, 50	61, 75	65, 93	67, 08	60, 64	41, 35	30, 99	27, 60	42, 36	89	-15	98	72	January 27,	August 16,	September 22,	September 20,
1844	19, 92	28, 68	31, 95	50, 31	55, 32	62, 34	65, 72	65, 50	57, 57	42, 33	30, 40	25, 24	44, 11	83	-17	102	65	February 1,	July 13,	September 13,	October 29,
1845	24, 57	33, 32	34, 85	42, 69	53, 50	62, 92	69, 82	67, 85	57, 65	51, 63	40, 41	18, 41	45, 67	85	-17	102	65	February 1,	July 13,	September 13,	October 29,
Mean.	22, 03	21, 66	30, 30	43, 64	53, 54	63, 47	67, 01	65, 58	57, 52	45, 84	36, 35	24, 14	44, 27								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1827	25, 5	25, 5	8	22, 5	45	100	77	61, 5	S 73° 23' W	42	155, 60	198, 5	166, 5	65	35	4
1828	10, 5	22	14, 5	17	62, 5	76, 5	114, 5	58, 5	S 72° 52' W	48	174, 39	197, 5	168, 5	57	12	2
1829	10, 5	21, 5	26, 5	11	42	64, 5	144, 5	44, 5	S 77° 32' W	49	177, 18	256	109	36	6	1
1830	14, 5	21	35	6	55	46	155, 5	32	S 77° 47' W	44	162, 97	192	173	57, 5	15, 5	2
1831	5	29	13	12	39, 5	88, 5	130, 5	47, 5	S 74° 30' W	53	193, 06	175, 5	189, 5	51, 5	24, 5	4, 5
1832	12, 5	24, 5	19	13, 5	58	79, 5	110	49	S 79° 18' W	42	157, 75	178	188	62, 5	18, 5	5
1833	8, 5	25	21, 5	7, 5	44	76, 5	136, 5	45, 5	S 54° 36' W	21	76, 53	181	184	59	19	1
1834	18	25	14, 5	9	55	63	134	46, 5	S 77° 49' W	49	176, 98	187, 5	177, 5	55	27, 5	5
1835	23, 5	23	8	9, 5	76, 5	75	110, 5	34	S 64° 17' W	43	158, 72	174, 5	190, 5	41	34, 5	1
1836	25, 5	21	31, 5	6	48, 5	73, 5	104	56	S 80° 18' W	40	147, 06	145	221	41	26, 5	2, 5
1841	19, 5	28, 5	29, 4	10, 5	47	53	140, 5	36	S 79° 38' W	40	148, 69	157	208	46, 5	22, 5	4
1842	7, 5	13	23, 5	14, 5	61, 5	65	142, 5	32, 5	S 64° 25' W	49	180, 78	180	185	47	19, 5	4
1843	10	21, 5	25, 5	7	32, 5	68, 5	162, 5	37, 5	S 79° 54' W	53	194, 78	166	199	47	32, 5	
1844	32	28	15, 5	8	27	81, 5	112	62	N 87° 11' W	48	172, 70	176, 5	189, 5	51, 5	23, 5	1, 5
1845	17	22	20	5, 5	14	102	64	120, 5	N 81° 16' W	50	184, 38	187	184	97	54	4
Mean.	16, 06	23, 70	20, 70	10, 63	46, 53	74, 23	122, 57	50, 90	S 71° 28' W	44	160, 35	183, 07	182, 20			
Total.	240	355, 5	310, 5	159, 5	698	1113, 5	1838, 5	763, 5				2716	2733			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1827	5, 54	7, 00	2, 65	4, 22	1, 85	4, 93	6, 32	5, 98	5, 78	4, 81	1, 67	3, 60	51, 25	November.	February
1828	1, 67	1, 56	1, 22	2, 34	2, 95	5, 21	5, 77	2, 15	5, 53	2, 07	3, 77	1, 15	34, 39	December.	July.
1829	6, 33	4, 26	4, 28	2, 02	4, 93	3, 91	2, 06	2, 05	4, 29	3, 23	3, 26	2, 78	44, 40	December.	January.
1830	2, 78	7, 76	4, 85	2, 01	3, 34	6, 14	6, 11	1, 46	3, 97	3, 38	5, 37	4, 38	45, 65	February.	June.
1831	3, 87	3, 41	2, 64	6, 23	4, 20	4, 58	4, 02	3, 95	3, 97	5, 40	3, 72	3, 05	49, 04	March.	April.
1832	2, 89	1, 93	1, 56	9, 35	8, 39	8, 41	6, 29	2, 52	4, 10	4, 88	2, 49	3, 70	44, 01	April.	May.
1833	1, 75	1, 69	2, 65	4, 13	4, 58	3, 91	2, 81	1, 45	3, 26	3, 67	1, 37	2, 52	33, 79	November.	May.
1835	3, 24	1, 46	2, 10	3, 43	1, 61	6, 92	3, 71	5, 17	1, 76	1, 78	2, 44	1, 26	34, 88	December.	June.
1836	5, 01	3, 20	1, 22	2, 35	2, 80	5, 68	2, 97	2, 46	2, 74	4, 60	1, 52	3, 51	38, 06	March.	June.
1841	3, 33	8, 84	3, 31	4, 45	2, 15	4, 05	3, 30	2, 57	3, 25	2, 25	4, 12	4, 65	38, 00	February.	December.
1842	2, 07	4, 91	3, 83	3, 03	1, 80	3, 93	3, 13	4, 54	6, 91	3, 73	3, 72	3, 93	46, 43	May.	September.
1843	1, 45	2, 14	5, 57	3, 45	2, 72	5, 01	4, 36	5, 27	2, 70	4, 87	3, 63	2, 55	44, 12	January.	March.
1844	2, 55	8, 87	2, 85	1, 70	7, 30	2, 53	5, 71	2, 46	2, 35	2, 14	2, 97	1, 81	34, 24	December.	May.
1845	7, 98	3, 71	3, 02	8, 02	2, 75	3, 66	6, 05	2, 44	4, 36	3, 62	4, 16	1, 35	35, 42	January.	November.
Mean.	3, 13	2, 62	2, 99	3, 09	3, 67	4, 56	4, 41	3, 19	3, 92	3, 64	3, 17	2, 73	41, 14		
Total.	43, 86	36, 74	41, 80	43, 33	51, 42	63, 57	61, 59	44, 77	54, 97	5, 98	44, 31	28, 24	576, 08		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1827	10	20	21	9	26	3	11	25	27	1	8	1	11	25	15	28	6	28	9	26	3	27	14	23
1828	5	23	7	12	29	4	30	7	12	7	27	9	26	13	10	18	1	10	9	16	4	18	3	18
1829	7	4	7	23	29	16	20	6	25	10	6	25	30	4	8	26	2	27	25	21	2	12	24	4
1830	3	30	20	6	21	9	30	3	5	21	16	8	19	9	7	26	6	17	12	26	16	26	25	22
1831	4	21	16	5	31	17	14	9	29	9	11	23	30	11	21	28	10	30	2	28	10	30	24	22
1832	18	26	12	24	25	18	14	9	14	24	25	4	6	13	14	24	17	13	20	28	1	15	8	22
1833	5	11	18	1	21	2	29	13	18	4	30	9	14	4	22	29	9	13	16	30	9	20	31	13
1834	17	23	22	4	19	22	15	5	24	15	23	15	26	30	11	28	4	29	18	14	10	15	1	14
1835	26	7	22	3	31	3	12	17	20	14	4	19	19	1	13	31	15	29	18	8	4	29	20	16
1836	5	27	23	5	31	2	29	11	21	13	17	20	8	27	1	20	19	28	1	25	11	25	10	30
1841	17	4	22	11	26	17	26	12	24	3	30	3	24	3	21	24	2	30	31	25	1	29	10	22
1842	19	13	3	17	4	12	22	1	18	9	30	11	13	31	26	1	12	23	1	21	6	21	3	23
1843	21	7	28	17	28	3	26	2	14	2	22	1	1	20	31	2	3	27	6	31	24	14	22	13
1844	16	27	20	1	13	5	14	1	25	21	26	11	10	4	16	12	21	28	10	21	12	30	7	21
1845	28	31	21	1	31	19	24	8	14	8	8	30	13	23	23	29	2	22	11	21	1	28	29	12

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1827	43	-20	57	-15	63	-4	70	23	86	35	91	41	91	48	88	42	84	38	68	22	50	4	47	-12
1828	50	-18	48	5	78	10	56	22	75	32	96	40	89	50	90	44	85	40	74	20	60	5	55	5
1829	42	-12	41	-15	56	2	71	24	90	30	91	42	82	46	89	37	88	28	69	17	49	10	57	8
1830	39	-12	50	-22	58	-4	82	23	80	29	85	39	92	48	88	44	76	27	70	24	62	27	50	4
1831	52	-26	44	-17	62	3	72	23	90	30	90	42	86	42	90	44	80	36	75	22	54	12	34	-12
1832	50	-24	46	-13	66	0	68	14	85	32	87	38	95	48	89	38	82	31	72	19	62	16	44	-6
1833	62	-12	46	-3	67	-7	85	17	85	29	81	33	88	43	86	38	82	33	71	22	60	9	40	-2
1834	50	-8	55	4	60	4	80	19	84	21	85	31	98	34	88	42	86	28	76	20	54	12	44	-10
1835	49	-30	48	-6	58	-2	72	20	80	29	88	42	88	46	86	40	88	28	83	32	67	1	40	-19
1836	35	-22	37	-30	55	-10	75	9	83	30	85	48	88	43	82	36	83	32	62	17	55	10	42	-13
1841	50	-16	39	-10	58	-12	68	17	83	26	84	39	90	45	82	44	82	40	66	22	67	13	42	-13
1842	51	-12	56	3	64	9	82	18	73	32	80	32	88	44	84	48	81	26	69	25	56	8	40	6
1843	57	-5	34	-16	40	-10	70	16	77	36	89	36	88	44	84	46	82	32	68	26	58	2	42	0
1844	40	-15	44	-6	54	9	76	4	80	30	82	37	82	44	83	46	82	26	68	24	50	6	48	-2
1845	45	0	54	-11	67	9	68	20	78	32	82	45	85	49	78	45	78	33	72	19	63	8	36	-17
Highest.	62		57		78		85		90		96		98		90		88		83		67		57	
Lowest.		-30		-30		-12		4		21		31		34		36		26		17		1		-19
Range.		92		87		90		81		69		65		64		54		62		66		66		76

SUMMARY OF OBSERVATIONS AT CLINTON ACADEMY,

EAST-HAMPTON, SUFFOLK COUNTY, N. Y., DURING 17 YEARS.

Latitude N. 41° 00'; Longitude W. 70° 19'. Elevation above tide, 16 feet. On the eastern part of Long Island, 18½ miles S, 68° W of Montauk Point. 280 rods from the Atlantic.

OBSERVERS.

1827, '8, '9, Hon. JONATHAN DAYTON, a Trustee.

1841, HENRY W. LIVINGSTON, Principal.

1830 to 1839, inclusive, DANIEL DAYTON, a Trustee.

1842, H. G. L. LIVINGSTON, Principal, CHA'S B. DAYTON, a Student.

1840, D. DAYTON, a Trustee, and ROBERT D. GARDNER, a Teacher.

1843, (ex. rain gage,) DANIEL DAYTON, a Trustee.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	27,74	23,37	42	—1	43	2,5	5,5	2,5		1	3	6,5	10	18,5	12,5	2	2	1	4,43
1828	40,45	30,99	56	11	45	2	5	6,5	2,5	1	4	5	5	13,5	17,5	4	1		2,44
1829	28,10	31,69	47	1	46	1,5	5	1,5	2,5	6,5	3	4	7	17,5	13,5	4	3		6,33
1830	35,16	26,61	51	4	47	1,5	1,5	3,5	2	1,5	4	7,5	9,5	21	10	2,5			3,87
1831	31,22	18,88	52	10	42	4,5	5	2	1,5	1,5		5	8	22	9		4,5		1,67
1832	30,47	29,27	56	1	55	1	3	2,5	4	1	5	5,5	9	20	11	2,5			3,15
1833	34,83	32,04	64	15	49		5	7	1	3	3	7,5	6	18,5	12,5	2	1		2,71
1834	28,51	28,76	52	7	45	3	4	2,5	2,5		5,5	2,5	11	17	14	4,5	2		2,99
1835	22,46	36,35	50	—8	58	3	8	2	4	2	2,5	7	2,5	22,5	8,5	1,5			2,45
1836	34,46	25,57	47	6	41	4	5	3	1,5	1	3,5	4	9	15,5	15,5	4,5	2		6,71
1837	21,53	26,59	40	3	37	1,5	3	1	1,5	1	1	4	18	23,5	7,5	1,5	1		2,10
1838	36,30	32,50	45	11	34	1	4	1,5	1	4	7,5	3	9	19,5	11,5	4			2,42
1839	32,13	19,36	59	0	59	1,5	9,5	2,5	2		3,5	6	5,5	17,5	13,5	2	1,5		1,24
1840	21,84	24,46	45	—1	46	5,5	1,5	2	1	1	1	4,5	14,5	20	11	1	4	1	2,35
1841	33,57	34,16	50	5	45	2,5	4,5	7	1,5		2	9,5	4	18	13	7	6	1	4,57
1842	31,20	34,53	52	8	44	3	1	2,5		9	3,5	7,5	4	23,5	7,5	3	3	1	2,07
1843	39,59	38,03	60	9	51	5	5	1,5	2,5	2,5	3,5	3,5	7,5	16,5	14,5	1	2		
Mean.	31,15	29,01				2,56	4,56	2,64	1,97	2,16	3,29	5,62	8,20	19,09	11,91				3,22
Total.						43,5	77,5	45	33,5	36,5	56	95,5	139,5	324,5	202,5				51,50

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	28,59	40,44	48	4	44	2	,5	4,5	2,5	1	6,5	6,5	4,5	17,5	10,5	3			4,00
1828	39,26	38,18	56	17	39	1	,5	5,5	2	4	6,5	2,5	7	15,5	13,5	6		1	2,09
1829	26,60	25,09	43	—1	44	1	1,5	4,5	,5		2,5	9,5	8,5	21	7	1	2	1	4,26
1830	22,26	32,25	46	5	41	1,5	4,5	2,5	2,5	1	1,5	5,5	9	18	10	1		,5	1,60
1831	22,22	31,12	48	14	34	2	1	,5	2,5	1,5	2	7	11,5	23,5	4,5	2	,5	,5	1,77
1832	31,78	30,08	57	10	47	4	4,5	4	2	1	3,5	1,5	8,5	14	15	3	2	1	3,47
1833	27,73	32,32	48	10	38	2,5	2	2,5	1	3	5,5	1,5	10	19,5	8,5	1,5	1		1,63
1834	34,28	38,71	61	8	53	2,5	5,5	4	4	1,5	3	3	4,5	16,5	11,5	2,5	,5		1,52
1835	21,67	30,35	46	3	43	1	6	2	1		3	6	9	15,5	12,5	1	1		1,63
1836	20,05	25,23	46	—1	47	3	3,5	4	1		1	4,5	12	13,5	15,5	5	2		3,30
1837	31,89	29,02	40	4	36	2	1,5	4,5	2,5	1,5	4,5	2	9,5	16	12	4	1		3,90
1838	26,95	19,67	48	3	45	4,5	2	1	1	1,5	1,5	2,5	14	20,5	7,5	1,5	1		1,15
1839	26,91	36,86	48	8	40	5,5	6,5	5	1	,5	2,5	5	2	12,5	15,5	2		,5	3,11
1840	30,04	39,45	55	2	53	2,5	3	5,5		1,5	5,5	2	9	13,5	15,5	2,5	1,5		2,69
1841	26,29	34,55	54	7	47	2,5	4,5	1,5	,5	3	3	8,5	4,5	23,5	4,5	2	1	1	,96
1842	39,28	33,68	50	12	38	2	2	4,5	2,5	3,5	3	5,5	5	19	9	6			3,02
1843	25,39	28,25	47	6	41	11	4,5	1,5	1,5	4		1,5	4	20,5	7,5	2	4	1	
Mean.	28,30	32,07				2,97	3,15	3,38	1,65	1,68	3,23	4,38	7,80	17,65	10,60				2,51
Total.						50,5	53,5	57,5	28	28,5	55	74,5	132,5	300	180				40,10

MARCH.

1827	35,84	40,79	63	15	48	1,5	3,5	3,5	2,5	5	3	4,5	7,5	23	8	3			2,33
1828	37,19	40,84	61	17	44	4	2	8	3	4,5	2,5	1	6	19	12	3		1	1,99
1829	32,95	33,34	57	19	38	,5	2	1,5	2,5	2	3,5	11	8	23	8	2	1		4,28
1830	34,01	41,93	68	17	51	3	3,5	2	6	4	4,5	3	5	18,5	12,5	3	1		3,94
1831	39,34	40,48	62	21	41		1,5	1,5	2,5	6,5	7,5	2,5	9	20,5	10,5	1,5	,5		1,25
1832	36,59	35,20	57	14	43	,5	2	,5	2	7	7	1,5	10,5	20	11	2,5	,5		2,63
1833	27,42	41,61	60	3	57	3,5	6,5	1	2,5	3	2,5	2	10	21	10	1	1,5		,50
1834	36,38	39,16	58	17	41	,5	3	3	4,5	5	5,5	4	5,5	25	6	,5	,5		,85
1835	28,54	38,19	55	—2	57	3,5	3,5	3	2,5	1	2	5	10,5	22,5	8,5	3,5	1	,5	4,22
1836	32,50	35,69	49	16	33	2,5	1,5	4	3	1,5	6	1,5	11	20,5	10,5	2,5	1		2,57
1837	30,81	35,68	52	10	42	3	2,5	3,5	8	3	3		8	17,5	13,5	5			7,62
1838	34,65	37,75	56	10	46	4,5	7	6,5	4	,5	,5	,5	7,5	19,5	11,5	1	3		1,05
1839	33,07	40,39	59	11	48	4	2,5	4,5	2		5,5	4	8,5	21,5	9,5	3	2		1,44
1840	35,45	38,20	55	20	35	4	3	4,5	2	4,5	5,5	1,5	6	16,5	14,5	3,5	,5		3,55
1841	35,12	41,07	57	18	39	1,5	10	4	1,5	1	3	6,5	3,5	22,5	8,5	2	1	4	3,40
1842	41,66	44,19	55	25	30	2	4	4,5	1,5	2,5	6,5	6	4	20	11	6			1,29
1843	28,40	31,10	42	16	26	7,5	3				2	1,5	17	24,5	6,5	2	2		
Mean.	34,11	38,57				2,69	3,59	3,27	2,95	3,00	4,12	3,29	8,09	20,88	10,12				2,68
Total.						46	61	55,5	50	51	70	56	137,5	355	172				42,91

OBSERVATIONS AT CLINTON ACADEMY.

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	48,67	46,21	66	28	38	,5	2,5	4	5	6,5	4	3,5	4	19	11	4			2,64
1828	39,58	45,63	63	29	34		2,5	7,5	1,5	4	2,5	1,5	10,5	19,5	10,5	3	2		2,99
1829	41,57	47,42	70	29	41	1,5	1,5	6	1,5	8	3	5	3,5	21	9	3			2,02
1830	42,28	49,60	73	28	45	,5	8	8	1,5	3	3,5	5	,5	18	12	2,5			2,69
1831	45,56	47,10	60	30	30	1,5	3,5	4	3	6,5	3	2,5	6	19	11	5,5			6,81
1832	39,42	43,32	66	24	42	1	7,5	4,5	2,5	2,5	5	3,5	3,5	18,5	11,5	5,5			2,46
1833	45,51	47,36	70	31	39	1,5	3,5	2	4,5	4,5	6	,5	7,5	23	7	4,5	2,5		1,56
1834	45,70	45,84	78	30	48	1	5	7,5	4,5	2,5	4,5	,5	4,5	15,5	14,5	6,5	2		2,02
1835	42,93	40,76	70	24	46	1	1,5	6	5	4	2	4	6,5	17,5	12,5	4,5	,5		5,69
1836	38,40	47,28	66	22	44	1	4	,5	8,5	3	7,5	,5	5	20	10	3	,5		2,95
1837	41,40	42,92	63	29	34	4,5	1	1,5	2,5	2	7	2,5	9	22,5	7,5	2,5		,5	1,60
1838	39,38	41,16	60	22	38	5,5	2,5	4,5	1,5	1	4	2,5	8,5	21	9	1,5	,5		1,50
1839	43,43	48,65	67	31	36	2	7	4	3	3	4	,5	6,5	19,5	10,5	3,5		1	4,87
1840	43,15	50,58	75	20	55	1	1,5	3	4	5,5	7,5	1,5	6	22	8	4			5,04
1841	40,30	45,77	59	29	30	2	9	2	3,5	5,5	3	1,5	3,5	11	19	15	3		7,24
1842	45,59	49,61	67	24	43	2	3,5	6,5	3,5	3	3	4	4,5	15	15	10			5,24
1843	36,79	49,68	58	26	32	3	4	3	1	3	3	7,5	5,5	18,5	11,5	7			
Mean.	42,83	46,40				1,74	4,00	4,38	3,32	3,97	4,26	2,74	5,59	18,85	11,15				3,58
Total.						29,5	68	74,5	56,5	67,5	72,5	46,5	95	320,5	189,5				57,32
MAY.																			
1827	48,80	57,05	78	32	46	1	2	4	4	5,5	7	,5	7	22	9	4			7,90
1828	53,37	55,63	77	39	38	,5	4,5	7	4,5	5,5	2,5	3	3,5	18	13	5			2,50
1829	49,62	59,99	80	40	40	1	2	3	4,5	10,5	4,5	2,5	3	21	10	4			4,98
1830	50,05	53,08	65	39	26	,5	1	5	7,5	7,5	3,5	2	4	21	10	3,5			4,73
1831	51,13	59,16	86	35	51	,5		6,5	4	6,5	8,5	3	2	24,5	6,5	2,5			4,64
1832	48,24	51,30	66	32	34	3	2,5	3,5	3	10	3,5	,5	5	18,5	12,5	6			5,71
1833	54,01	58,88	74	29	45		5,5	8	2,5	8	3,5	,5	3	14,5	16,5	3,5			3,35
1834	49,31	55,98	73	31	42	,5	2,5	6,5	5	3,5	5,5	3,5	4	20,5	10,5	3			6,07
1835	46,25	58,04	85	36	49	2	4,5	7	1,5	2,5	8,5	2,5	2,5	21,5	9,5	1,5			1,79
1836	51,08	55,00	76	36	40	1	4,5	7,5	3	4	7	1	3	22	9	2,5			2,98
1837	48,12	53,38	72	25	47	1,5	2,5	8,5	3,5	2	5,5	,5	7	21	10	5			5,09
1838	46,75	52,66	77	36	41	2	5,5	3		5,5	8	1,5	5,5	18,5	12,5	3			1,56
1839	50,39	58,97	76	34	42	2	3,5	6,5	5	4,5	4,5	1,5	3,5	19	12	4,5			2,46
1840	50,32	56,13	78	37	41	,5	4,5	5,5	3,5	6	6,5		4,5	24	7	4			6,33
1841	48,25	56,65	69	37	32		2	3,5	3	3,5	8	9	2	20,5	10,5	7			1,71
1842	50,66	54,95	67	36	31	4	1	5,5	4,5	5	4,5	2,5	4	18,5	12,5	12			3,70
1843	56,12	59,57	75	32	43	3	1	1	3,5	7	4,5	6	5	35,5	5,5	3			
Mean.	50,15	56,26				1,35	2,88	5,28	3,68	5,71	5,62	2,35	4,03	20,60	10,40				4,09
Total.						23	49	91,5	62,5	97	95,5	40	68,5	350,5	176,5				65,50

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	61,65	61,65	80	46	34	1	,5	2	4,5	12	1,5	4,5	4	22	8	3			2,49
1828	62,40	67,64	80	51	29	,5		4,5	8,5	8,5	3,5	2,5	2	18	12	2			3,67
1829	61,55	62,65	81	50	31		2	4,5	3,5	8,5	1,5	1,5	8,5	21,5	8,5	3			1,87
1830	61,84	64,18	85	52	33	1,5	,5	3	6,5	9	5,5	1,5	2,5	20	10	3			3,16
1831	67,66	66,03	94	46	48	,5	4	2	6,5	7,5	6,5	1,5	1,5	23,5	6,5	2,5			3,00
1832	61,93	61,38	88	40	48	2,5	3	3,5	4	6	6	,5	4,5	25,5	4,5	,5			,24
1833	60,16	63,11	78	44	34	1	2	1,5	6,5	3	7	1,5	7,5	22	8	3			5,42
1834	61,00	61,87	84	40	44	1,5	2	3	4,5	3,5	7,5	2,5	5,5	20	10	4			4,16
1835	62,06	61,75	85	37	48		1,5	4,5	2	3	9	4,5	5,5	22,5	7,5	2			1,60
1836	59,76	59,41	84	41	43		8	11,5	2,5	2,5	4		1,5	16	14	2,5			3,26
1837	57,94	61,31	84	45	39	,5	4	2,5	4	4	9	2,5	3,5	20	10	3,5			3,04
1838	63,05	65,90	86	52	34	1,5	2	,5	4	2,5	12	1,5	6	24	6	2			1,65
1839	59,37	63,32	88	45	43	2,5	3	2	2,5	4,5	5	5,5	5	18,5	11,5	4			2,98
1840	62,82	65,31	90	47	43	4	,5	4,5	3,5	5,5	5,5	1,5	5	20	10	8			2,32
1841	65,25	67,74	95	49	46	1,5	3	7,5	3,5	6	4,5	3	1	23,5	6,5	5			2,47
1842	60,58	65,32	81	48	33	1,5	5,5	2	3,5	7,5	7	,5	2,5	18	12	9			6,02
1843	64,12	63,94	84	32	52	5	1	1,5	2	5,5	3,5	5,5	6	26,5	3,5	3			
Mean.	61,95	63,68				1,48	2,50	3,56	4,25	5,82	5,76	2,38	4,25	21,26	8,74				2,96
Total.						25	42,5	60,5	72	99	98,5	40,5	72	361,5	148,5				47,35
JULY.																			
1827	70,43	73,75	90	54	36	,5	2,5	,5	4,5	8,5	4,5	3	2,5	24,5	6,5	2			3,21
1828	66,63	72,27	88	54	34	2	,5	,5	6,5	4,5	11	4	4	23	8	7			4,10
1829	63,85	67,52	81	47	34		2	5	6,5	4,5	9,5	,5	3	23	8	2			1,88
1830	68,05	72,90	93	57	36	1	2	6	3	6,5	5,5	1	6	20,5	10,5	3,5			4,80
1831	67,53	68,52	86	56	30	1	1		5	8	11,5	1	3,5	22,5	8,5	4			3,14
1832	63,75	68,07	84	52	32		3	1,5	3	5	10	3	5,5	27,5	3,5	2			1,90
1833	68,69	68,09	85	52	33		1,5	2,5	1,5	5	10,5	3,5	6,5	26	5	2			1,48
1834	69,35	71,25	93	50	43		2	6	7	6,5	7		2,5	19,5	11,5	6			7,32
1835	66,15	68,65	86	50	36	,5		2	3	6,5	13,5	3	2,5	25	6	2,5			1,39
1836	68,83	67,80	86	58	28	,5	7,5	4	2,5	5	7	2	2,5	20	11	2,5			1,62
1837	64,16	66,67	84	50	34	2	,5	2,5	3,5	2	9	4,5	7	23,5	7,5	1,5			3,91
1838	75,10	73,78	93	51	43	3	2	1	4,5	2,5	8,5	2	7,5	28,5	2,5	1			,97
1839	67,76	76,79	89	54	35	1,5	1	4	3	7	7	4	3,5	22,5	8,5	5			2,86
1840	68,88	73,05	90	52	38	,5	2,5	2	3	6,5	11,5	3	2	23,5	7,5	5			1,05
1841	70,86	72,49	85	54	31	,5	2	7	,5	2,5	9	2,5	7	25,5	5,5	3			3,74
1842	70,54	72,80	82	62	20	1,5	2,5	9	3,5	7	6	1	,5	21,5	9,5	7			3,54
1843	69,70	74,14	90	50	40	3	,5		3	4,5	5,5	9	5,5	26,5	4,5	1			
Mean.	68,25	71,09				1,03	1,94	3,15	3,86	5,42	8,62	2,77	4,21	23,71	7,29				2,93
Total.						17,5	33	53,5	63,5	92	146,5	47	71,5	403	124				46,91

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	71,74	62,98	92	49	43	1,5	4	6	4	7,5	4,5	1	2,5	21,5	9,5	2			2,58
1828	70,79	68,97	92	52	40	1	2	3,5	4	7,5	4,5	5	3,5	27	4	2			,95
1829	70,04	66,38	81	47	34	,5	4	5	5	9,5	2	,5	4,5	25	6	2			2,39
1830	71,41	66,93	83	51	32	2	3	4	6	4,5	7,5		4	23,5	7,5	3			3,62
1831	72,34	71,50	91	52	39	3	5,5	1,5	3,5	6,5	6	1	4	28,5	2,5	1,5			1,67
1832	63,75	68,07	81	50	30		3	1,5	3	5	10	3	5,5	24,5	6,5	3,5			5,46
1833	69,91	65,91	84	42	42	1	4,5	3	5,5	5	8	1	3	25	6	2			1,56
1834	72,18	66,22	90	42	48	2,5	4,5	9	5,5	3,5	2	1,5	2,5	24,5	6,5	1			,29
1835	66,18	67,52	85	42	43	3	1,5	1,5	3	6,5	8	2	5,5	24	7	2,5			2,93
1836	65,81	65,61	83	44	39	1,5	4	5	5,5	4,5	6	1,5	3	25,5	5,5	2,5			1,98
1837	61,13	64,52	84	46	38	,5	3	6	4,5	4	3	1	9	19,5	11,5	2,5			2,26
1838	71,03	69,88	87	47	40	1,5	2,5	,5	7	4,5	7	1	7	29,5	1,5	1			,74
1839	68,25	67,64	87	46	41	,5	6,5	5,5	1,5	5	6	2	4	18	13	5			9,00
1840	71,28	71,44	90	54	36	,5	1	6	1,5	6	12		4	24	7	8			5,88
1841	70,21	70,77	82	50	32	1	6	8,5	2,5	8,5	2,5	2		21	10	10			5,68
1842	69,26	74,05	86	56	30	3,5	2	11,5	6,5	3	1	1,5	2	20,5	10,5	6			1,94
1843	69,12	67,40	87	50	37	2,5	1	2,5	3,5	5,5	6,5	5	4,5	24,5	6,5	6			
Mean.	69,08	67,99				1,53	3,41	4,73	4,23	5,68	5,68	1,71	4,03	23,88	7,12				3,06
Total.						26	58	80,5	72	96,5	96,5	29	68,5	406	121				48,93
SEPTEMBER.																			
1827	64,08	60,53	85	42	43		10	3,5	2	1	6,5		7	21,5	8,5	4			3,10
1828	66,37	61,47	81	51	30	1,5	4,5	7,5	2,5	4,5	5	2	2,5	20	10	6			4,87
1829	61,86	56,48	84	34	50		2	1	2,5	3,5	6,5	1,5	13	24,5	5,5	3			2,79
1830	64,15	58,65	78	40	38	,5	7,5	5	4	7	2,5	1,5	2	21,5	8,5	2			1,93
1831	68,07	60,40	82	42	40	2,5	2,5	2	4,5	5,5	8	3	2	21,5	8,5	4			5,40
1832	62,04	61,26	82	36	46		3,5	1,5	4	5	8	,5	7,5	24	6	3			3,61
1833	62,97	62,94	84	40	44	4	3	3	1	3	10	1,5	4,5	24	6	3			2,77
1834	63,38	62,04	84	30	54	1,5	4,5	6,5	5,5	3	3,5	3,5	2	18,5	11,5	2,5			4,47
1835	61,12	54,26	78	37	41	5	4,5	5	2,5	2,5	6,5	1,5	2,5	27	3	1,5			,86
1836	65,61	64,69	88	30	58	1,5	5,5	5,5	6,5	1,5	4,5	2	3	18	12	2,5			1,33
1837	59,66	59,85	80	44	36	3	6	4,5	4	2,5	5	,5	4,5	21,5	8,5	1			,93
1838	64,72	62,37	82	43	39	2	5,5	6	5	4	2	,5	5	17,5	12,5	4,5			9,18
1839	63,64	60,81	83	30	53	1	1	5	7	3	2	3,5	7,5	23,5	6,5	3,5			4,69
1840	64,26	59,36	82	38	44	4,5	3,5	1,5	4	2,5	7	1	6	21	9	3			2,42
1841	67,90	62,58	82	52	30	2,5	8,5	6,5	1,5	2,5	4	2,5	2	22,5	7,5	2			1,57
1842	68,06	61,29	78	48	30	7,5	3	3		7,5	4,5	1,5	3	22	8	1,5			2,35
1843	64,53	64,08	83	40	43	4	3	2	5	1,5	5	4,5	5	21,5	8,5	5			
Mean.	64,26	60 77				2,41	4,59	4,06	3,62	3,52	5,32	1,88	4,60	21,76	8,24				3,27
Total.						41	78	69	61,5	60	90,5	31	79	370	140				52,27

OCTOBER.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	58,08	51,21	70	28	42	5	3,5	4	1	7,5	4	4	6,5	20	11	5			4,73
1828	55,86	50,09	71	25	46	1	2,5	5,5	1,5	3	6	2,5	9	26	5	2			1,79
1829	52,30	48,31	67	26	41	1,5	4	8	4,5	1	3	5	8,5	22,5	8,5	3			4,32
1830	56,81	50,61	72	29	43	5	4,5	5,5	3,5	5	5,5	1,5	5	22,5	8,5	3,5			3,02
1831	57,93	53,85	76	37	39	1	6,5	3	5	2,5	2,5	5,5	5	22,5	8,5	3			4,85
1832	56,33	50,13	70	31	39	3	3	3,5	6,5	3,5	6,5	2,5	2,5	15,5	15,5	3			2,80
1833	56,67	47,17	64	28	36	1	2,5	3,5	4	3,5	5	4	7,5	18	13	6,5			7,51
1834	55,78	47,61	74	27	47	3	2	3,5	1	7	5,5	1	8	20,5	10,5	4			4,32
1835	53,76	57,55	72	31	41	1,5	5,5	3,5	5,5	5,5	5,5	2	2	24	7	1,5			2,34
1836	57,75	50,41	65	20	45	2,5	6,5	2	3,5	1,5	8	2	5	25,5	5,5	2			1,93
1837	51,25	49,78	72	29	43	5,5	4,5	4,5	2	3,5	3,5	3,5	4	25	6	1			9,99
1838	56,89	44,60	78	26	52	7,5	2	1,5	2,5	1,5	3	5,5	7,5	20,5	10,5	5,5			4,94
1839	55,69	50,87	72	34	38	3	5	7,5	4	2,5	3	5	5,5	20	11	3,5			5,13
1840	58,44	51,70	76	32	44	2	4	4,5	5,5	2,5	3	5	4,5	15,5	15,5	6,5			4,52
1841	51,67	47,54	64	29	35	3	3,5	2	2	1	2,5	10	7	16	15	8			4,47
1842	53,78	50,60	74	36	38	1,5	1	3,5	3	5,5	5,5		11	26,5	4,5	5			4,40
1843	47,28	46,52	72	34	38	5	2,5	3,5	3,5	2,5	3,5	5	5,5	23,5	7,5	5			
Mean.	55,07	49,91				2,53	3,71	4,06	3,44	3,47	4,44	3,23	6,12	21,41	9,59				3,63
Total.						43	63	69	58,5	59	75,5	55	104	364	163				58,06

NOVEMBER.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	41,77	34,66	64	19	45		2,5	1	2	3	1,5	8,5	11,5	18,5	11,5	3	1		7,91
1828	48,55	43,67	65	19	46	2	2,5	3,5	3	4,5	3,5	5,5	5,5	17	13	5	1		3,18
1829	42,17	43,75	57	17	40	2	4	3,5	3	3	2	7	5,5	17,5	12,5	5			5,84
1830	57,01	46,38	62	29	33	2	12	6	1	2,5		3,5	3	10	20	7,5			5,82
1831	44,67	38,61	60	27	33	1,5		2,5	4	2,5	1,5	5	13	22,5	7,5	3			3,02
1832	43,26	44,11	62	22	40			1	3	3	7	7	9	21	9	2,5			3,05
1833	43,85	36,36	61	20	41	1,5	2	1	2,5	3	4	8,5	7,5	22,5	7,5	3			3,38
1834	43,21	40,95	62	30	32	4	3,5	2,5	1	2	3	6	8	18,5	11,5	3			2,62
1835	47,65	38,45	66	20	46	3,5	4,5	3	5	4	3,5	4,5	6,5	14	16	3	1		2,79
1836	44,40	35,61	60	21	39	3,5	2,5	3	4,5	5	2,5	5,5	8	17	13	4	5		4,00
1837	42,25	41,17	60	13	47	2	3	1	2,5	2	7	5	7,5	20,5	9,5	3	1,5		1,52
1838	45,36	33,13	60	10	50	3,5	3	3	2	2,5	3,5	6	6,5	20	10	3,5	5		2,51
1839	43,87	36,41	58	18	40	8,5	4	3	1	4,5	1,5	1,5	6	18,5	11,5	2,5			1,61
1840	47,97	37,46	58	26	32	2	10	2,5		1		5	9,5	15	15	4	1,5		6,02
1841	42,81	38,08	60	24	36	3	2	5	5	3	4	5	7,5	15	15	9	1		3,84
1842	46,90	36,28	68	22	46	1	2	4,5	2	2	5	9,5	8,5	18,5	11,5	4			9,93
1843	41,62	37,02	57	10	47	5	3,5		1,5	2,5	2,5	8	7	25	5	3	2	1	
Mean.	45,14	38,95				2,65	3,59	2,70	2,00	2,68	2,79	5,94	7,65	18,29	11,71				3,63
Total.						45	61	46	34	45,5	47,5	101	130	311	199				58,05

OBSERVATIONS AT CLINTON ACADEMY.

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	41,63	32,19	54	15	39	2	7,5	4	2,5	2,5	2,5	5	5	13,5	17,5	4	1	1	1,85
1828	42,48	34,58	54	14	40		1,5	1		5	3,5	8	10,5	6	23,5	7,5	1		,34
1829	41,79	40,28	58	18	40	1	6	3,5	4	3	5,5	3	5	18,5	12,5	4			1,60
1830	39,34	36,68	55	14	41	,5	4,5	2,5	3,5	4		8,5	7,5	15,5	15,5	5,5	,5		7,47
1831	23,78	23,85	40	0	40	4,5	2	1,5	2	,5	3	7	10,5	15,5	15,5	1	4,5		1,27
1832	39,72	32,59	52	18	34	2,5	5,5	4,5	1,5	4,5	1	6	5,5	17	14	6,5	,5		7,34
1833	35,66	34,77	50	16	34	3	11,5	3,5	1		,5	3,5	8	15	16	3,5	,5		4,42
1834	34,22	30,41	54	2	52	3	5,5	4,5	1,5	1	3,5	5,5	6,5	14,5	16,5	1,5	2		2,30
1835	27,88	19,99	48	—2	50	4,5	2	1,5	1	1,5	2	5	13,5	16,5	14,5	3,5			2,78
1836	34,71	32,12	50	7	43	2	2,5	1	2,5	3,5	3	2	14,5	21,5	4,5	3			2,87
1837	36,46	33,16	60	10	50	2,5	3	1,5		3	3,5	4,5	13	23	8	2	2,5		2,39
1838	32,17	27,59	49	9	40	2,5	3,5	1,5	1	2	4	8	8,5	26,5	4,5	,5	,5	1	,40
1839	38,70	25,53	50	8	42	1,5	7,5	4	1,5	1	1,5	5,5	8,5	17	14	6	2		7,00
1840	35,02	28,21	52	11	41	2,5	3,5	3,5	2	2	2,5	6,5	8,5	19	12	1	4,5		1,15
1841	39,33	30,74	50	12	38	7	2	3,5	1,5	1	3	10	3	22,5	8,5	3	2	1	3,97
1842	35,74	31,15	50	16	34	6	2,5	3,5	1,5	2	1	4	10,5	13	18	4,5	2,5	1	2,60
1843	35,38	32,48	51	10	41	7	3,5	1,5	2	1	2,5	6	7,5	25	6	3	3		
Mean.	36,12	30,96				3,06	4,35	2,75	1,73	2,11	2,76	5,91	8,32	18,65	12,35				3,11
Total.						52	74	46,5	29,5	36	47	100,5	141,5	317	210				49,75

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.	
	First Half.	Seco'd Half.																					
January, --	31.15	29.01	60	—8	68	2.56	4.56	2.64	1.97	2.16	3.29	5.62	8.20	N 88° 13' W	39	11.88	19.00	11.91				3.22	51.50
February, --	28.30	32.07	61	—1	62	2.97	3.15	3.35	1.65	1.68	3.23	4.38	7.80	N 44° 03' W	26	7.74	17.65	10.60				2.51	40.10
March, ---	34.11	38.57	63	—2	70	2.69	3.59	3.27	2.95	3.00	4.12	3.29	8.09	N 53° 43' W	17	5.00	20.88	10.12				2.68	42.91
April, ----	42.33	46.40	73	20	58	1.74	4.00	4.38	3.32	3.97	4.26	3.74	5.59	S 9° 48' W	3	.82	18.85	11.15				3.98	57.32
May, ----	50.15	56.26	86	25	61	1.35	2.88	5.88	3.68	5.71	5.62	3.35	4.03	S 8° 00' E	20	6.10	20.60	10.40				4.09	65.50
June, ----	61.95	63.68	95	32	63	1.48	2.50	3.56	4.25	5.83	5.76	3.38	4.25	S 9° 35' W	23	6.72	21.26	8.74				2.96	47.35
July, ----	68.25	71.09	98	47	46	1.03	1.94	3.15	3.86	5.42	5.62	2.77	4.21	S 22° 27' W	39	11.84	23.71	7.29				2.93	46.91
August, ---	64.26	67.99	92	42	50	1.53	3.41	4.73	4.23	5.67	5.68	1.71	4.03	S 40° 19' W	24	7.34	23.88	7.12				3.06	48.93
September,--	60.03	67.77	88	30	53	2.41	4.59	4.06	3.62	3.52	5.32	1.88	4.35	S 8° 45' E	5	1.62	21.76	8.23				3.27	52.27
October, --	55.07	49.91	78	20	58	2.53	3.71	4.06	3.44	3.47	4.40	3.23	6.12	N 69° 31' W	5	1.63	21.41	9.59				3.63	58.06
November,--	45.14	38.95	68	10	53	2.65	3.59	2.70	2.00	2.68	2.79	5.91	7.65	N 59° 49' W	30	9.03	1.29	11.71				3.63	58.04
December,--	36.12	30.96	84	—2	86	3.06	4.35	2.75	1.73	2.11	2.76	5.91	8.32	N 44° 47' W	29	8.77	18.65	12.35				3.11	49.75
Mean. ----	48.83	48.80				2.17	3.51	3.67	3.08	3.77	4.70	3.55	5.88	S 60° 18' W	9	2.79	20.41	9.93				3.25	51.72

Highest degree, June 30, 1841, — 95°
 Lowest degree, January 9, 1835, — 8°
 Extreme range in 17 years, — 103°
 Greatest monthly range in December.
 Total fall of rain and snow in 16 years, 51 feet 8,64 inches.

Least monthly range in July.
 Mean monthly range, 61½°
 Driest month, February.
 Wettest month, May.

MEAN TEMPERATURE, &c.

YEA 68.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1827	55.55	34.51	38.31	47.44	52.97	61.65	72.19	67.11	62.30	54.64	38.21	36.91	19.31	92	-1	93	48	January 20,	August 16,	October 17,	November 14.
1828	55.72	38.72	39.01	42.60	51.00	65.02	69.15	69.47	63.92	52.97	46.11	38.63	51.29	92	11	81	45	January 24,	August 29,	October 16,	November 14.
1829	59.80	45.84	33.11	49.54	55.62	10.65	68.68	19.59	17.50	30.42	46.11	43.48	19.84	93	2	91	16	February 5,	September 2,	September 28,	
1830	59.88	47.26	37.97	45.94	51.66	62.02	70.47	69.17	61.40	51.71	48.69	37.86	19.82	93	2	91	51	January 30,	July 11,	October 26,	December 6.
1831	55.01	31.12	39.91	46.33	55.14	66.84	68.02	71.92	64.23	55.89	11.64	23.81	48.77	94	0	94	51	January 21,	August 5,	November 29,	December 1.
1832	59.87	39.93	59.41	42.49	57.61	65.65	96.65	91.61	65.53	23.43	6.36	15.48	48.00	85	1	87	55	January 27,	June 17,	October 26,	December 29.
1833	53.48	30.02	34.51	46.48	56.14	61.63	68.39	67.91	62.95	51.92	40.10	30.31	49.09	85	3	82	57	March 3,	July 22,	October 27,	December 15.
1834	58.13	36.49	38.02	46.77	52.64	62.73	70.31	69.20	62.71	51.69	49.95	32.31	19.38	93	2	91	51	January 24,	July 27,	September 30,	December 18.
1835	59.45	26.11	33.46	41.84	52.14	61.90	67.40	66.85	57.69	55.66	43.05	23.93	16.60	86	-2	94	58	December 16,	August 12,	November 27,	November 23.
1836	59.01	22.61	34.09	42.83	53.01	59.59	68.86	65.65	71.65	15.48	89.10	10.82	12.46	92	-1	89	77	February 2,	September 29,	October 30,	December 26.
1837	57.91	30.45	33.21	42.16	50.75	59.49	65.41	62.82	59.75	50.50	11.71	34.81	46.20	84	3	81	50	January 8,	August 30,	October 14,	November 14.
1838	54.30	23.31	36.20	40.27	49.70	64.47	74.44	70.45	63.54	50.74	39.24	29.88	46.99	93	3	80	52	February 17,	July 10,	October 10,	November 24.
1839	57.31	36.85	36.73	46.04	54.68	61.39	72.27	67.99	62.22	53.28	10.14	32.11	49.25	90	0	89	59	January 24,	July 30,	October 15,	December 15.
1840	55.73	34.36	36.82	46.86	53.24	61.56	70.46	71.56	61.55	47.71	31.61	19.46	90	-1	91	55	February 4,	August 20,	November 18,		
1841	53.86	30.42	38.09	43.03	52.45	66.49	71.67	70.49	65.23	49.60	31.41	35.03	49.65	95	5	90	47	February 12,	June 30,	October 25,	November 23.
1842	52.86	36.48	42.92	47.60	52.80	62.95	71.67	71.67	64.67	52.19	41.50	33.44	50.00	86	6	80	46	January 24,	August 30,	October 21,	December 7.
1843	58.81	26.82	29.75	42.25	57.84	64.04	71.92	68.26	64.78	46.91	39.32	33.93	48.50	90	6	84	52	February 17,	July 1,	October 22,	November 7.
Mean.	50.13	30.75	36.36	44.43	53.18	62.79	69.68	68.51	62.54	52.19	42.27	33.45	48.74								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1827	13	44,5	44	34,5	61	48,5	47,5	72	S 52° 31' W	11	40.85	241,5	123,5	39	4	2
1828	15,5	28	60,5	40	55	59,5	45	62,5	S 26° 19' W	14	51,16	240	126	46	4	2
1829	10,5	36	47	40,5	60	16,5	46,5	78	S 47° 51' W	12	45,29	256	109	36	6	1
1830	15	52	53	47	56	43,5	36	62,5	S 27° 13' E	7	26,69	230	135	41	1	5
1831	22,5	32,5	27	44	55,5	60,5	47	76	S 58° 38' W	20	73,15	266	99	31	10	5
1832	17,5	40,5	32	38,5	53,5	72,5	35	76,5	S 58° 51' W	17	61,55	246	120	38	3,5	1
1833	19,5	51,5	32,5	35,5	44	65,5	35,5	81	S 87° 10' W	12	45,13	219	116	35,5	6,5	
1834	23	44	58,5	46,5	39	56	33,5	64,5	S 16° 30' E	4	13,31	230,5	134,5	41	7	
1835	28,5	43	41	31,5	39	66	47	69	S 89° 43' W	13	48,77	252,5	112,5	28,5	3,5	5
1836	23	54	51	44,5	28,5	60	26,5	78,5	N 14° 47' W	4	14,81	234	131	36	6	5
1837	28,5	34,5	41,5	38,5	30,5	61	30,5	100	N 66° 3' W	15	56,03	253,5	111,5	32	6	1
1838	39	41,5	30,5	33,5	32	61,5	34,5	92,5	N 60° 7' W	19	69,34	265,5	99,5	29	5,5	1
1839	33,5	57	53,5	33,5	36	46	39,5	66	N 2° 26' W	8	28,26	228	157	44,5	5,5	2
1840	29,5	38,5	45	30	44,5	67,5	31,5	79,5	S 89° 18' W	11	12,01	234	132	50,5	12	1
1841	27	57	58	22	37,5	48,5	70	45	N 62° 7' W	7	25,17	241,5	123,5	78	14	7
1842	35,5	30	60,5	32,5	57,5	46	43,5	59,5	S 43° 18' W	5	19,53	236	129	69,5	5,5	2
1843	61	32,5	18	29	39,5	42	63	80	N 60° 13' W	28	102,31	278	87	41	13	2
Mean.	24,82	42,18	46,32	36,51	45,24	55,94	41,88	73,12	S 81° 4' W	7	27,51	246,00	119,18			
Total.	442	717	753,5	621,5	769	951	712	1243				4182	2026			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1827	4.49	4.00	2.83	2.64	7.90	2.49	3.21	2.53	3.10	4.73	7.91	1.85	47.17	December.	November.
1828	2.44	2.09	1.99	2.99	2.50	3.67	4.10	1.95	4.87	1.79	3.18	1.84	30.91	December.	September.
1829	6.33	4.26	4.23	2.02	4.98	1.87	1.88	2.39	2.79	4.32	5.84	1.60	42.56	January.	January.
1830	3.87	1.60	3.94	2.69	4.73	3.16	4.80	3.61	1.93	3.02	5.82	1.47	46.65	February.	December.
1831	1.67	1.77	1.25	6.81	4.64	3.00	3.14	1.67	5.40	4.85	3.02	1.27	58.49	March.	April.
1832	3.15	3.47	2.63	2.46	5.71	2.24	1.90	5.16	3.61	4.80	3.65	1.34	41.82	June.	December.
1833	2.71	1.63	.50	1.56	3.35	5.43	1.18	1.56	2.77	4.51	3.38	4.12	36.29	March.	October.
1834	2.99	1.62	.85	2.02	6.70	4.66	1.92	2.29	4.47	4.32	2.62	2.36	58.92	August.	July.
1835	2.45	1.63	4.22	5.69	1.79	1.63	1.39	2.93	1.86	2.34	2.79	2.78	30.55	September.	April.
1836	6.71	3.30	2.57	2.95	2.98	3.26	1.62	1.98	1.33	1.93	4.00	2.87	35.50	September.	January.
1837	2.10	3.90	7.62	1.60	5.09	3.04	3.91	2.96	3.90	.99	1.53	2.29	34.26	September.	March.
1838	2.42	1.15	1.05	1.50	1.56	1.65	.97	.74	9.13	4.94	2.51	.40	25.07	December.	September.
1839	1.24	3.11	1.44	4.87	2.46	2.98	2.86	6.00	4.69	5.13	1.61	7.00	46.39	January.	August.
1840	2.35	2.39	3.55	5.04	6.33	2.32	1.05	5.85	2.42	5.12	6.02	1.15	43.32	July.	May.
1841	4.57	.96	3.40	7.24	1.71	2.47	3.74	5.63	1.57	4.47	3.84	3.97	43.62	February.	April.
1842	2.07	3.02	1.29	5.24	3.70	6.02	3.54	1.94	2.35	.40	.93	2.06	33.10	October.	June.
Mean.	3.22	2.50	2.63	3.58	4.13	2.99	3.06	3.26	3.63	3.63	3.63	3.07	38.60		
Total.	51.50	40.10	42.91	57.32	66.15	47.34	46.91	48.93	52.24	58.06	58.05	49.17	617.62		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1827	28	20	28	11	28	3	12	1	17	1	29	1	15	24	6	16	3	16	9	27	12	26	4	23
1828	3	23	7	12	28	1	29	14	31	8	29	10	26	4	29	19	1	29	9	15	3	18	3	31
1829	11	3	8	4	31	1	29	1	28	3	18	1	22	2	8	27	2	27	11	23	22	24	7	22
1830	10	30	20	6	22	9	20	13	30	11	15	1	17	29	12	26	24	18	2	25	16	27	3	22
1831	4	23	16	12	26	17	18	12	31	9	1	23	26	12	15	29	11	30	28	3	30	10	24	15
1832	19	1	12	24	11	18	27	6	17	24	19	5	31	11	15	25	16	25	4	26	5	15	8	23
1833	5	11	18	7	22	2	30	15	22	3	22	7	22	18	7	29	5	13	7	31	8	20	8	13
1834	17	24	20	7	20	22	13	1	24	13	23	3	27	30	7	28	4	29	8	15	14	15	6	14
1835	30	9	22	8	15	1	9	18	26	11	14	8	23	1	12	7	4	27	5	9	4	30	26	16
1836	4	28	22	5	10	2	26	11	21	14	19	21	7	17	27	23	20	27	2	30	21	25	21	30
1837	30	2	13	23	28	21	15	5	31	1	30	11	1	12	30	7	10	20	29	10	20	26	2	22
1838	17	31	8	17	15	1	9	3	30	3	29	6	10	1	9	27	5	3	2	31	8	25	5	27
1839	11	24	25	6	28	3	27	17	20	5	26	5	30	9	27	18	4	26	3	20	14	26	5	20
1840	29	18	22	4	4	25	24	8	29	9	12	2	15	3	20	26	2	26	9	26	6	19	15	25
1841	7	4	23	12	28	16	24	13	29	3	30	1	20	31	21	1	3	26	12	25	1	29	11	22
1842	20	24	4	9	10	12	3	1	28	20	29	11	17	6	28	1	13	22	1	21	7	29	3	24
1843	20	4	11	17	30	2	29	8	23	2	16	1	1	14	3	31	21	25	3	29	20	25	10	30

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1827	42	-1	43	4	63	15	66	28	78	32	80	46	90	54	92	49	85	42	70	28	64	19	54	15
1828	56	11	56	17	61	17	63	29	77	39	80	51	88	54	92	52	81	51	71	25	65	19	54	14
1829	47	1	43	-1	57	19	70	29	80	40	81	50	81	47	81	49	84	34	67	26	57	17	58	18
1830	51	2	46	5	68	17	73	28	85	39	85	52	93	57	83	51	78	40	72	29	62	29	55	14
1831	52	10	48	14	62	21	60	30	86	35	94	46	86	56	91	52	82	42	76	37	60	27	40	0
1832	56	1	57	10	57	14	66	24	85	32	88	40	84	52	81	50	82	36	70	31	62	22	52	18
1833	64	15	48	10	60	3	70	31	74	29	78	44	85	52	84	42	84	40	64	28	61	20	50	16
1834	51	7	61	8	58	17	78	30	73	32	84	40	93	50	90	42	84	30	74	27	62	25	54	2
1835	50	-8	46	3	55	-2	70	24	85	36	85	37	86	50	85	42	78	37	72	31	66	20	48	-2
1836	47	6	46	-1	49	16	66	22	76	36	84	41	86	58	83	44	88	30	65	20	60	21	50	7
1837	40	3	40	4	52	10	63	29	72	25	84	45	84	50	84	46	80	44	72	29	60	13	60	10
1838	45	11	48	3	56	10	60	22	77	36	86	52	93	51	87	47	82	43	78	26	60	10	49	9
1839	59	0	48	8	59	11	67	31	76	34	83	45	89	54	84	46	83	30	72	34	58	18	50	8
1840	45	-1	55	2	55	20	75	20	78	37	90	47	90	52	90	54	82	38	76	32	58	26	52	11
1841	50	5	54	7	57	18	59	29	69	37	95	49	85	54	82	50	82	52	64	29	60	24	50	12
1842	52	8	50	12	55	25	67	24	67	36	81	48	82	62	86	56	78	48	74	36	68	22	50	16
1843	60	9	47	6	42	16	58	26	75	32	81	32	90	50	87	50	83	40	72	34	57	10	51	10
Highest.	64		61		68		78		86		95		93		92		88		78		68		60	
Lowest.		-8		-1		-2		20		25		32		47		42		30		20		10		-2
Range.		72		62		70		58		61		63		46		50		58		58		58		62

* 26th and 27th.

SUMMARY OF OBSERVATIONS AT CORTLAND ACADEMY,

HOMER, CORTLAND COUNTY, N. Y., DURING 18 YEARS.

Latitude N. 42° 38'; Longitude W. 76° 11'. Elevation above tide, 1096 feet. In the valley of the Homer river, 98 feet below the Tully lakes.

[“Homer village is situated in a long and somewhat deep valley, producing a fluctuation and uncertainty in the currents of air which do not exist on the high land around.”]—*Report of 1829.*

OBSERVERS.

1832, SAMUEL B. WOOLWORTH, Principal, and GEO. W. BRADFORD, M. D.

1833, 1855 to 1859, inclusive, GEORGE W. BRADFORD, M. D.

(Rain gage not observed at this station.)

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]							WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1832	22	44	20	43	48—21	69	1			2	15,5		6	6,5	8,5	22,5	,5	6	
1833	31	32	26	66	69—	7	1		,5	1,5	13	,5	7	7,5	10,5	20,5	1,5	5	6,5
1835	12	86	32	63	45—24	69	2			3	10	4	8	4	11,5	19,5	4	3,5	
1836	29	42	13	62	40—28	68		1		2	7,5	6	6	8,5	7,5	23,5	,5	4	
1837	14	93	19	54	37—11	48				,5	4,5	9	5	12	6	25		8,5	
1838	33	05	25	63	60—	4				2	10,5	9,5	,5	8,5	12,5	18,5	3	4	
1839	29	12	16	90	50—11	61				1	8	8,5		13,5	8,5	22,5	2	6,5	
1840	15	46	18	11	45—21	66			,5	1,5	4,5	12,5	,5	11,5	6,5	24,5	1	3,5	1
1841	25	14	27	50	50—17	67			,5	4,5	8	8,5		9,5	7	24	2	6,5	,5
1842	24	05	29	00	55—	7				1,5	6,5	12,5		10,5	8	23	3	6,5	
1843	29	53	31	16	48—	3		2,5			6,5	11		10,5	9	22	3,5	3	
1844	22	45	12	50	31—12	43				5	,5	5,5	,5	19,5	4	27	3	10	2
1845	27	64	25	76	44—	1				4	2	9		16	6,5	24,5	3,5	6,5	
1846	27	27	21	24	44—	6				4,5	1	11,5		14	8,5	22,5	6	11	
1847	28	86	11	16	47—	2				5,5	,5	10		15	9,5	21,5	6	9	1
1848	26	21	31	18	54—	8				8,5	1,5	10		11	20	11	4	8	1
1849	17	13	23	51	45—	4				3,5	3,5	7		17	6	25	6	14	
1850	25	66	30	62	51—	4				6	5	9		11	7,5	23,5	5	12	1
Mean.	24,59	23,17					,22	,17	,14	3,14	6,03	8,00	1,86	11,44	8,75	22,25			
Total.							4	3	2,5	56,5	108,5	144	33,5	206	157,5	400,5			

OBSERVATIONS AT CORTLAND ACADEMY.

FEBRUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1832	25,17	21,31	50	-12	62	,5			2	9,5	,5	3,5	13	5,5	23,5	2	4,5	1,5	
1833	20,44	23,82	60	-	565				3,5	8		3	13,5	13	15		4,5		
1835	10,25	25,07	46	-	854	,5	1		3	5	5	4,5	9	9,5	18,5	,5	6,5		
1836	12,36	17,25	42	-	2668				2	6	4	6	11	7	22	2,5	6,5		
1837	20,37	22,05	47	-	754				1	6,5	7	3	10,5	7,5	20,5	,5	5,5		
1838	16,75	10,76	41	-	1051				1	1,5	7,5		18	4	24		10		
1839	16,13	32,67	49	-	2069				1,5	8,5	9,5	,5	8	9	19	3	2,5	,5	
1840	24,66	37,36	57	-	1047				2	11,5	6,5		9	11	18	4,5	3,5		
1841	18,39	26,88	46	-	551				1,5	4	11,5		11	10,5	17,5		4		
1842	34,51	26,29	55	-	847				3,5	4	8		12,5	6,5	21,5	3	6,5	,5	
1843	18,43	15,92	38	-	2159	,5		3,5		1,5	8,5	1	13	6	22		8		
1844	22,23	29,44	54	-	458	,5	1		1,5	2,5	12	,5	11	10	19	,5	5		
1845	16,86	32,02	60	-	262	,5	,5		5,5	1,5	7		13	7	21	2,5	5		
1846	25,64	16,76	48	-	553	,5			3	4	8,5		12	7,5	20,5		7		
1847	25,04	23,01	45	-	1257				4,5	2	9		12,5	3	25	2	12	1	
1848	19,12	26,05	43	-	649				1,5	1	9,5		17	16	13	3	10		
1849	18,50	20,93	48	-	1058				4	3,5	9		11,5	13,5	14,5		11	1	
1850	25,87	27,67	51	-	249				4,5	3	8,5		12	9,5	18,5	2	9	3	
Mean.	20,59	24,18				,17	14	,19	2,53	4,64	7,31	1,22	12,09	8,67	19,61				
Total.						3	2,5	3,5	45,5	83,5	131,5	22	217,5	156	353				

MARCH.																			
1832	32,41	32,10	60	-	565				2,5	14		1,5	13	20,5	10,5	1	4,5		
1833	22,80	38,87	68	-	674	,5	,5			12,5		9,5	8	13,5	17,5	1	5	6	
1835	26,07	34,41	60	-	868		1		2,5	5	7		8	7,5	14	,5	3		
1836	17,97	28,85	56	-	662				1,5	10,5	3,5	3,5	12	13,5	17,5	1	4,5		
1837	23,51	33,59	53	-	1972				4	7,5	6	2,5	11	15	16	3,5	3,5		
1838	30,46	38,22	57	-	865				2	7,5	8,5	3	10	14,5	16,5	2,5	3		
1839	27,28	37,22	63	-	657	,5			1	8,5	9,5		11,5	16	15	4	4	1	
1840	36,05	35,59	68	-	270				1	9	8,5		12,5	10,5	20,5	2,5	4,5	1	
1841	24,72	33,46	60	-	1272				2	1,5	9		18,5	15	16	1	4,5	1	
1842	37,57	39,26	68	-	761				3	6	8		14	13	18	3,5	3,5	1,5	
1843	19,46	22,29	46	-	1157			3		9		,5	18,5	7,5	23,5	1	9	,5	
1844	36,21	30,55	61	-	952				2,5	4	10		14,5	11	20	6	4	2	
1845	36,87	39,75	75	-	372				5		12,5		13,5	13,5	17,5	2,5	3,5		
1846	30,27	34,07	59	-	1170				3,5	3	12		12,5	16	15	4	4		
1847	25,38	30,26	57	-	255		,5		4	1,5	7,5		17,5	13,5	17,5	4	9		
1848	24,11	36,10	66	-	264				2,5	2,5	12		14	10,5	20,5	5	8	1	
1849	29,84	37,63	58	-	652				5	3,5	8		14,5	15	16	8	4	1	
1850	32,06	27,13	63	-	669				4	1	8		18	12,5	18,5	2	7	1	
Mean.	28,50	33,85				,05	,11	,16	2,56	5,42	7,73	1,58	13,39	13,61	17,39				
Total.						1	2	3	46	97,5	139	28,5	241	245	313				

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1832	38,47	44,31	80	9	71	1,5	1,5		2	6	3,5	5,5	10	14	16	5,5			
1833	46,16	48,36	89	20	69				1	9,5	,5	11,5	7,5	19,5	10,5	6	,5	4,5	
1835	43,73	38,68	78	10	68	1	,5		2,5	8	2,5	7	8,5	13,5	16,5	3,5	5		
1836	34,51	46,40	76	14	62				3	9	4	3,5	10,5	16,5	13,5	4	2,5	,5	
1837	37,60	38,75	66	18	48				1	1	5,5	3,5	19	20	10	3	1	,5	
1838	35,44	35,69	62	17	45				,5	6	6,5		17	14,5	15,5	4	4,5	,5	
1839	48,36	46,70	82	21	61	,5			2,5	4,5	8		14,5	18,5	11,5	5	,5		
1840	43,32	52,74	81	20	61				1,5	10,5	5		13	18	12	5	1,5	,5	
1841	35,51	45,49	73	18	55				3	4	5,5		17,5	12,5	17,5	4,5		2,5	
1842	44,23	48,82	84	16	68				1	2	12		15	16	14	6	,5	,5	
1843	36,92	48,44	72	12	60			2,5		2,5	16		9	10,5	19,5	3,5	2,5	,5	
1844	51,61	44,34	88	6	82				3,5	,5	18,5		7,5	20,5	9,5	3			
1845	39,16	52,50	78	21	57				7		8,5		14,5	14,5	15,5	3	2		
1846	42,26	52,02	78	21	57				5	,5	11		13	21	9	5	3		
1847	39,08	41,16	71	0	71				3	3	12		12	16	14	6	4	1	
1848	43,29	43,54	74	24	50				3	1,5	7,5		18	22,5	7,5	8	2		
1849	41,99	41,98	65	18	47				4	2,5	6		17,5	17,5	12,5	4	5		
1850	35,63	45,64	76	19	57				3	2	9,5		15,5	16	14	4	6	1	
Mean.	40,96	45,31				,17	,11	,14	2,62	4,05	7,89	1,72	13,30	16,75	13,25				
Total.						3	2	2,5	47	73	142	31	239,5	301,5	238,5				
MAY.																			
1832	59,29	52,13	86	28	58	,5			2,5	7,5	,5		20	18,5	12,5	3,5			
1833	59,39	62,06	87	32	55				6	5,5	4	8	7,5	14,5	16,5	6			
1835	48,29	54,24	83	16	67	,5	,5		,5	5,5	5,5	6,5	12	21,5	9,5	4,5			
1836	53,61	69,94	83	28	55		,5		2	6,5	6	4	12	17	14	7,5			
1837	53,50	52,41	83	19	64				3	8,5	7,5	1	11	14,5	16,5	6,5	,5		
1838	48,68	53,26	83	28	55				1,5	8,5	8	,5	12,5	12	19	8			
1839	46,08	59,19	80	30	50				3	4,5	8		15,5	15	16	5,5			
1840	48,03	63,83	93	30	63				3	5	8		15	17	14	5,5	1	,5	
1841	42,87	60,40	87	26	61				2,5	3,5	8,5		16,5	17	14	4	1		
1842	48,20	53,96	78	30	48				1,5	1,5	11		17	19	12	4,5			
1843	54,56	51,80	82	30	52			1,5		3,5	10,5		15,5	19	12	3			
1844	53,43	56,20	80	28	52		1,5		1,5	5	10	,5	12,5	16	15	13			
1845	53,97	52,14	78	26	52				1	,5	12		17,5	17,5	13,5	6	,5	,5	
1846	55,73	58,62	81	30	51				7,5	1,5	12,5		9,5	16,5	14,5	12			
1847	55,17	51,65	86	30	56				3,5	3,5	15		9	22,5	8,5	7			
1848	52,97	61,59	82	36	46				3	2,5	13		12,5	16	15	16			
1849	46,95	55,44	80	32	48				6,5	4	7,5		13	14,5	16,5	16			
1850	48,55	49,42	78	31	47				,5	6,5	7,5		16,5	13	18	15			
Mean.	51,62	56,57				,05	,14	,08	2,73	4,64	8,61	1,14	13,61	16,72	14,28				
Total.						1	2,5	1,5	49	83,5	155	20,5	245	301	257				

OBSERVATIONS AT CORTLAND ACADEMY.

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]							WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1832	62,95	65,44	90	42	48				4,5	7	2,5	3	13	20,5	9,5	3			
1833	57,84	62,25	86	34	52				2	7,5	1	9	10,5	19,5	10,5	2			
1835	65,97	60,19	87	40	47				1	6,5	9	3	10,5	16,5	13,5	4			
1836	62,18	61,19	83	41	42	,5			10	7	4	1	7,5	14,5	15,5	8			
1837	65,05	59,76	89	40	49				2	3,5	8	2	14,5	14	16	9,5			
1838	64,62	67,82	89	40	49				2	7,5	9,5		11	18	12	6			
1839	57,64	59,69	83	39	44				1,5	3	8,5		17	13	17	9,5			
1840	58,94	64,24	87	36	51				3,5	3,5	4,5		18,5	19,5	10,5	6			
1841	65,23	67,17	89	37	52				4	2	11		13	19,5	10,5	7			
1842	54,58	63,18	86	30	56	,5			4,5	3	12,5		9,5	17,5	12,5	8			
1843	56,48	65,69	89	28	61			,5		1	12	,5	16	17	13	7	,5		
1844	55,97	57,38	82	36	46				,5	3	14,5		12	21,5	8,5	8			
1845	65,48	60,39	87	38	49				2,5	2	15		10,5	21,5	8,5	5			
1846	62,01	62,79	80	40	40				1,5	2,5	9,5		16,5	19	11	9			
1847	58,12	61,63	81	39	42				3,5	2	9,5		15,5	17,5	12,5	11			
1848	58,42	68,97	78	38	40				,5	5	11		13,5	19	11	13			
1849	56,54	69,15	91	42	49		,5		2,5	2,5	8,5		16	20,5	9,5	11			
1850	61,54	67,04	89	37	52					3	13		14	23,5	6,5	11			
Mean.	60,53	63,55				,05	,03	,03	2,56	3,97	9,08	1,03	13,25	18,44	11,56				
Total.						1	,5	,5	46	71,5	163,5	18,5	238,5	332	208				

JULY.																			
1832	73,91	66,91	92	46	46				3	4	5,5	7,5	11	15	16	6			
1833	65,48	66,10	91	42	49					7,5	2	15,5	6	18,5	12,5	4,5			
1835	65,46	66,80	88	40	48					5,5	8,5	8	9	21	10	4,5			
1836	69,27	64,70	86	44	42				,5	6,5	5,5	8	10,5	23,5	7,5	3,5			
1837	64,33	62,55	83	40	43				1	2,5	8,5	,5	18,5	21	10	4			
1838	70,69	68,49	90	45	45					6,5	13	,5	11	23	8	3			
1839	63,83	70,88	88	43	45					7,5	12		11,5	18,5	12,5	7,5			
1840	66,04	68,86	90	42	48				,5	5	10,5		15	22	9	6			
1841	64,47	67,27	93	42	51					1,5	9		20,5	26	5	3,5			
1842	60,33	67,96	92	44	48					1	15		15	22	9	5			
1843	64,43	65,44	92	42	50			,5		1	13,5		16	21,5	9,5	3,5			
1844	64,93	65,59	84	40	44				,5	5	12		13,5	19	12	11			
1845	64,75	65,38	95	46	49				1	1,5	15,5		13	23,5	7,5	4			
1846	66,65	66,59	90	44	46				2	3	12	,5	13,5	20,5	10,5	10			
1847	68,26	66,71	90	42	48				3	4,5	16,5		7	24,5	6,5	9			
1848	64,52	66,59	84	48	36				4	5,5	11		10,5	20,5	10,5	10			
1849	66,32	64,44	92	44	48				2,5	4	6,5		18	24	7	6			
1850	69,52	68,83	87	52	35		,5		2	6	12,5		10	20,5	10,5	13			
Mean.	66,28	66,67					,03	,03	1,11	4,34	10,50	2,25	12,79	21,36	9,64				
Total.							,5	,5	20	78	189	40,5	229,5	384,5	173,5				

OBSERVATIONS AT CORTLAND ACADEMY.

49

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1832	69,26	63,57	91	36	55	,5					20,5	2	2	6	15	16	3		
1833	65,76	63,30	86	42	44					7	5,5	8,5	10	21	10	1,5			
1835	62,86	60,82	89	36	53				,5	6	7	7,5	10	20	11	4,5			
1836	61,47	58,69	84	37	47				2	7	4,5	3	14,5	18,5	12,5	4,5			
1837	64,91	61,46	84	34	50				1	8,5	5	,5	16	15	16	6,5			
1838	67,42	63,20	93	43	50				1	5,5	7,5		17	20	11	5			
1839	61,87	63,02	88	39	49		1			3,5	9,5		17	18,5	12,5	4			
1840	63,66	67,12	90	48	42				1	7,5	13,5	1	8	19,5	11,5	6			
1841	66,54	66,38	89	46	43					3,5	13		14,5	24,5	6,5	4			
1842	64,48	66,87	85	43	42		1		2	4	9,5	1	13,5	20,5	10,5	4			
1843	65,90	65,72	86	45	41			1,5		2	13		14,5	18	13	7,5			
1844	64,04	61,25	80	42	38		,5		,5	4	14,5		11,5	18	13	9			
1845	63,54	67,81	88	42	46				2	3,5	16		9,5	23,5	7,5	3			
1846	69,13	65,36	87	51	36				2	3	16,5		9,5	21,5	9,5	7			
1847	67,49	65,57	83	45	38				1,5	1,5	16,5		11,5	24	7	8			
1848	67,46	64,64	86	46	40				1,5	4,5	13		12	25	6	5			
1849	63,24	67,67	86	43	43				3	2,5	8		17,5	22	9	8			
1850	67,25	61,98	85	43	42				2	3	12,5		13,5	21	10	10			
Mean.	65,35	64,13				,03	,14	,08	1,10	5,39	10,39	1,31	12,56	20,31	10,69				
Total.						,5	2,5	1,5	20	97	187	23,5	226	365,5	192,5				

SEPTEMBER.																			
1832	56,09	55,06	87	32	55					15,5	1	4,5	9	14	16	4,5			
1833	58,21	61,34	86	32	54				,5	11,5	1,5	10,5	6	17,5	12,5	5			
1835	56,46	49,34	86	28	58				2	7	6,5	7,5	7	18	12	3,5			
1836	58,20	56,58	86	32	54				1,5	13	6	1	8,5	12,5	17,5	5,5	,5		
1837	57,41	52,17	83	30	53				1,5	13,5	4,5	1	9,5	18	12	5			
1838	59,73	57,31	88	34	54	,5	,5		1	2	9		17	20	10	3			
1839	59,06	53,04	86	29	57				1	6,5	13		9,5	17	13	7	1		
1840	58,23	53,87	78	34	44				,5	4	9	,5	16	18,5	11,5	6		,5	
1841	63,77	58,97	86	38	48				1,5	4,5	11,5		12,5	19,5	10,5	3,5			
1842	62,83	54,76	84	30	54				1	4	12		13	13	17	9,5			
1843	60,08	58,82	87	30	57			3		1,5	15		10,5	17,5	12,5	6			
1844	61,95	51,89	84	32	52				,5	2,5	12		15	22	8	3		1	
1845	57,69	54,58	78	36	42				3	1,5	13		12,5	14	16	6,5			
1846	69,03	56,12	84	43	41				2,5	3	14,5		10	19,5	10,5	10			
1847	57,26	55,12	83	34	49				4	3,5	9,5		13	15	15	12			
1848	56,42	48,64	75	28	47				1,5	3,5	11,5		13,5	15	15	12		1	
1849	57,99	57,07	80	37	43				2	7	9,5		11,5	22	8	5			
1850	58,59	61,42	78	33	45				2	4	13		11	17	13	11			
Mean.	59,99	55,50				,03	,03	,17	1,44	6,00	9,55	1,39	11,39	17,22	12,78				
Total.						,5	,5	3	26	108	172	25	205	310	230				

OBSERVATIONS AT CORTLAND ACADEMY.

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1832	51,42	51,62	78	20	58	,5				16	8		6,5	15	16	5			
1833	50,71	41,58	71	26	45				3	7,5	5	7	8,5	7	24	3	1,5	9,5	
1835	46,22	50,22	76	28	48				,5	13,5	6,5	4	6,5	17,5	13,5	4			
1836	41,27	35,59	64	17	47		,5		,5	8	5	5	12	14	17	3,5	2		
1837	43,54	45,12	77	19	58				1,5	8	7		14,5	16,5	14,5	8			
1838	48,84	38,11	82	26	56				,5	5,5	12		13	9	22	7,5	2,5		
1839	52,07	50,01	79	19	60				2,5	11	12,5		5	21,5	9,5	3			
1840	50,48	41,28	77	22	55				4	6,5	9,5		11	12,5	18,5	7	2	,5	
1841	42,86	39,63	70	26	44				,5	2,5	9		19	12,5	18,5	6	1,5	,5	
1842	49,41	43,63	75	27	48				3,5		12,5		15	16	15	4			
1843	48,15	37,60	70	22	48			2,5		2,5	11		15	13	18	7	,5	1,5	
1844	45,43	41,24	68	25	43	1			2	1,5	13		13,5	13,5	17,5	7	3		
1845	53,02	46,84	68	21	47				2,5	4,5	14		10	17,5	13,5	6,5		,5	
1846	53,50	40,43	77	20	57				7	1,5	10,5		12	12,5	18,5	8	2	2	
1847	46,66	42,68	66	19	47				6,5	1,5	11		12	14,5	16,5	12	2		
1848	49,72	47,25	68	27	41				1,5	5,5	10		14	13,5	17,5	10		2	
1849	46,04	45,70	67	27	40				4	2,5	10		14,5	14,5	16,5	13	1	1	
1850	47,77	45,79	72	25	47				2,5	3	12,5		13	16	15	12		1	
Mean.	48,18	42,80				,03	,08	,14	2,36	5,61	9,94	,89	11,95	14,25	16,75				
Total.						,5	1,5	2,5	42,5	101	179	16	215	256,5	301,5				
NOVEMBER.																			
1832	33,00	37,55	63	10	53	,5			2		4,5	18,5	4,5	9	21	5	2,5		
1833	39,71	27,24	62	14	48	,5			2	13	1,5	8	5	14	16	1	3,5	4,5	
1835	42,49	28,70	66	7	59				2	6	9	8,5	4,5	13,5	16,5	3,5	4,5		
1836	36,02	30,68	56	14	42				2,5	8,5	5	7	7	10	20	2,5	4		
1837	37,53	40,01	67	12	55		,5		1,5	6,5	7,5		14	11	19	5	2,5	,5	
1838	37,97	26,04	54	5	49				1	7,5	9		12,5	9,5	20,5	3,5	5		
1839	35,24	28,87	51	2	49				1	6,5	6,5	,5	15,5	9	21	2,5	5	1,5	
1840	40,44	32,19	61	24	37				1	3,5	12,5		13	9	21	2,5	4	,5	
1841	38,67	30,20	70	13	57				5	1	7		17	3	27	3,5	6		
1842	39,07	25,59	59	10	49				3		16		11	1	29	2	3	1,5	
1843	31,46	34,22	48	18	30			2,5		2,5	11		14	4	26	4,5	6,5		
1844	40,25	30,24	57	10	47		,5		5,5	2	8		14	9,5	20,5	5	6		
1845	40,08	39,86	62	8	54				2,5	3,5	14		10	10	20	5,5	2,5	,5	
1846	46,41	34,86	69	18	51				7	1,5	9		12,5	6,5	23,5	8	5	2	
1847	44,09	35,28	68	7	75				4,5	1,5	12		12	8	22	9	5	1	
1848	33,90	35,26	52	8	44				2,5	5,5	9,5		12,5	8,5	21,5	2	9	2	
1849	47,65	42,44	64	27	37				4	4,5	11,5		10	11	19	10	2		
1850	43,24	36,64	69	17	52				1	4,5	10		14,5	13	17	5	2		
Mean.	39,18	33,33				,06	,06	,14	2,67	4,33	9,08	2,36	11,30	8,86	21,14				
Total.						1	1	2,5	48	78	163,5	42,5	203,5	159,5	380,5				

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1832	33,76	27,93	48	8	40					13	2	5	11	8	23	2,5	4		
1833	26,46	28,16	38	7	31		,5		3,5	10	1	8,5	7,5	7,5	23,5	1	3	4	
1835	19,40	24,62	42	—	10				2	6,5	6,5	4	12	6	25	1	7,5		
1836	29,32	20,14	45	—	7		1		3	11,5	4	3	8,5	10	21	2	5		
1837	30,88	24,05	53	1	52				2,5	7	7	1	13,5	6,5	24,5	1,5	5,5		
1838	24,07	16,55	40	—	4				2	7	11,5		10,5	5,5	25,5	,5	8		
1839	32,80	20,12	48	4	44		1		1	2,5	12	14,5		8	23	1	9,5		
1840	28,45	20,39	48	6	42				3	3	8,5		16,5	6	25	3	6		
1841	35,92	21,02	45	—	14				3,5	2,5	9,5	,5	15	3,5	27,5	4,5	8,5		
1842	26,80	24,49	42	9	33				2,5		13		15,5	3	28	1,5	6,5		
1843	26,08	33,11	40	8	32			3,5		3,5	10,5		13,5	2	29	2	5,5		
1844	29,89	25,77	56	2	54				5	1	10,5		14,5	5,5	25,5	2	9		
1845	21,45	21,21	37	—	9				2,5	2,5	12,5		13,5	7,5	23,5		6,5		
1846	27,32	27,53	47	2	45				6,5	1	5,5		18	3,5	27,5	6	9		
1847	36,86	24,73	62	9	53				2	4	9,5		15,5	5	26	11	6	1	
1848	38,95	29,28	60	12	48				6,5	4	10,5		10	5	26	10	6	1	
1849	28,69	25,25	41	1	40		,5		2	2,5	0,5		16,5	1,5	29,5	5	12	3	
1850	26,11	21,01	42	—	8				3	3,5	10,5		14	5	26	3	17	2	
Mean.	29,07	24,19					,17	,19	2,81	4,72	8,56	2,03	12,53	5,50	25,50				
Total.							3	3,5	50,5	85	154	36,5	225,5	99	459				

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS					Rain gage, total fall.	
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction. ¹	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.		Rain gage, Monthly mean.
	First Half.	Seco'd Half.																					
January, --	24.59	23.17	67	—23	95	,22	,17	,14	3.14	6.03	8.00	1.56	11.44	S 60° 25' W	53	16.07	8.75	22.25					
February, --	20.59	24.18	60	—26	86	,17	,14	,19	2.53	4.64	7.31	1.22	12.09	S 67° 21' W	47	14.23	8.67	19.61					
March, ---	23.50	33.55	75	—19	94	,05	,11	,16	2.56	5.42	7.73	1.54	13.39	S 77° 27' W	43	13.10	13.61	17.39					
April, ---	40.96	45.31	89	0	89	,17	,11	,14	2.62	4.05	7.89	1.72	13.30	S 77° 57' W	52	15.50	16.75	13.25					
May, ----	51.62	56.57	93	3	90	,05	,14	,08	2.73	4.64	8.61	1.14	13.61	S 75° 23' W	47	14.16	16.72	14.23					
June, ----	60.53	63.55	91	23	63	,05	,03	,03	2.56	3.97	9.08	1.03	13.25	S 75° 53' W	62	18.5	18.44	11.56					
July, ----	66.28	66.67	95	40	55	,00	,03	,03	1.11	4.34	10.50	2.25	12.79	S 77° 51' W	74	22.18	21.36	9.64					
August, ---	65.35	64.13	91	84	57	,03	,14	,08	1.10	5.39	10.39	1.31	12.56	S 77° 35' W	67	20.10	20.31	10.60					
September, --	59.99	55.50	87	28	59	,03	,03	,17	1.44	6.00	9.55	1.39	11.39	S 77° 11' W	69	20.96	17.22	12.78					
October, ---	48.13	42.80	82	17	65	,03	,08	,14	2.36	5.61	9.94	,59	11.95	S 77° 19' W	65	19.56	14.25	16.75					
November, --	39.18	33.33	69	—7	76	,06	,06	,14	2.67	4.33	9.05	2.36	11.3	S 77° 38' W	64	19.22	8.86	21.14					
December, --	29.07	29.14	62	—14	76	,00	,17	,19	2.81	4.72	8.56	2.03	12.53	S 77° 15' W	65	19.40	5.50	25.50					
Mean. ----	44.50	44.85				,07	,10	,12	2.30	4.93	8.99	1.56	12.16	S 75° 38' W	50	15.11	14.20	16.24					

Highest degree, July 21, 1845, - - - - - 95°
 Lowest degree, January 27, 1836, - - - - - —28
 Extreme range in 18 years, - - - - - 123

Greatest monthly range in January. -
 Least monthly range in September.
 Mean monthly range, 71½°

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1832	21.43	23.24	32.25	41.86	54.21	64.19	70.41	66.40	56.07	51.52	35.27	30.84	45.59	92	-21	113	71	January 27,	August 14.	September 14.	October 25.
1833	25.99	22.13	30.83	47.26	60.72	60.04	65.79	64.53	59.77	46.18	34.47	27.56	45.67	91	-7	98	76	January 11,	July 13.	September 14.	October 20.
1835	22.44	17.66	30.24	41.20	53.76	63.08	66.13	61.84	52.90	51.22	35.59	22.02	43.17	89	-24	113	69	January 1,	August 13.	August 4.	November 11.
1836	21.52	14.80	23.41	40.45	61.77	61.68	66.97	60.08	57.39	38.43	33.85	24.73	42.04	86	-28	114	63	January 2,	September 14.	October 5.	October 5.
1837	17.23	21.22	28.55	38.12	52.95	62.40	63.44	63.18	54.82	44.34	33.77	27.46	42.70	89	-19	108	72	January 2,	June 30.	August 6.	October 13.
1838	29.34	13.75	34.34	35.56	50.91	66.22	69.59	65.31	58.52	43.47	32.32	29.37	43.30	93	-10	103	65	January 31,	July 29.	September 3.	October 13.
1839	25.47	24.40	32.25	47.53	51.13	58.66	62.00	62.44	56.50	51.04	32.15	26.46	44.00	88	-29	108	69	January 23,	July 20.	September 14.	September 23.
1840	16.78	31.01	35.82	48.03	55.93	61.59	67.45	65.39	56.95	45.88	36.31	24.42	44.39	93	-21	114	70	January 17,	June 16.	September 22.	October 24.
1841	26.27	22.63	29.59	40.50	51.63	66.10	65.57	66.46	61.37	41.24	34.44	28.47	44.55	93	-17	110	72	January 4,	June 8.	October 2.	October 21.
1842	26.52	30.40	38.41	46.52	51.08	58.63	64.14	65.67	58.29	46.52	32.33	25.61	45.36	92	-7	99	68	January 5,	July 17.	September 12.	October 24.
1843	30.34	17.17	20.87	42.68	53.18	61.59	64.92	65.66	59.35	42.81	32.54	29.59	45.02	92	-12	113	61	January 17,	July 22.	September 12.	October 13.
1844	17.47	26.11	33.83	47.87	54.81	66.67	65.21	62.65	54.92	43.66	33.24	27.84	45.81	89	-12	100	82	January 27,	July 22.	September 23.	September 24.
1845	29.70	26.44	36.31	45.33	53.05	62.93	65.06	65.69	55.63	49.99	37.67	31.33	45.57	95	-9	104	72	December 13,	July 21.	October 16.	October 16.
1846	24.25	19.70	33.15	47.14	57.17	62.40	66.62	67.24	62.57	45.83	40.63	27.42	46.18	90	-11	101	70	January 19,	July 10.	October 11.	October 19.
1847	23.74	24.02	28.82	40.62	59.41	59.87	67.47	66.53	56.19	45.17	39.68	30.79	44.66	90	-12	102	75	January 21,	July 20.	September 16.	October 15.
1848	28.69	22.58	30.10	43.41	57.28	63.69	65.50	66.05	52.53	41.45	34.58	24.12	45.59	87	-8	95	79	January 10,	June 27.	September 17.	November 7.
1849	20.82	19.71	33.74	41.98	50.69	62.87	65.38	65.45	57.54	45.87	45.04	26.97	44.63	92	-10	102	58	February 15,	July 13.	September 8.	October 80.
1850	24.19	26.77	29.59	40.63	48.98	64.29	69.16	64.60	60.00	46.77	39.94	24.66	46.86	89	-6	97	63	February 4,	June 19.	September 15.	
Mean.	23.87	22.43	31.17	42.15	54.03	62.07	66.18	64.74	57.28	46.02	36.16	26.70	44.67								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Percent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1832	5	1,5		20,5	147	25,5	43	123,5	S 57° 11' W	43	158,43	163,5	202,5			
1833	2	1,5		23	112,5	22,5	106	97,5	S 70° 00' W	51	184,49	176	189	37,5	23	3,5
1835	4	3		19,5	84,5	77	76,5	100,5	S 67° 54' W	55	200,83	186,5	178,5	38	30	
1836	,5	3		30,5	101	57,5	51	122,5	S 64° 25' W	47	171,35	164,5	201,5	45	29	5
1837		,5		20,5	77,5	82,5	20	164	S 79° 16' W	50	182,64	165,5	199,5	53	27	1
1838	,5	,5		14,5	75,5	111,5	4,5	158	S 74° 15' W	52	191,65	162,5	202,5	46	37	,5
1839	1	2		16	74,5	117,5	1,5	138,5	S 69° 00' W	52	191,34	172,5	192,5	54	29	3
1840		,5		22,5	73,5	108,5	2	159	S 73° 02' W	50	182,86	170	196	55	26	4,5
1841		,5		28	38,5	113	,5	184,5	S 87° 47' W	52	190,85	170,5	194,5	43,5	32	4,5
1842	,5	1		27	32	142	1	161,5	S 82° 23' W	54	197,54	165,5	199,5	54	26,5	4
1843	,5	,5		27	28	141	2	166	S 81° 52' W	55	201,65	145	220	48,5	35,5	2,5
1844	,5	4,5		28,5	31,5	140,5	1,5	159	S 79° 02' W	52	191,31	170,5	195,5	71	37	5
1845	,5	,5		38,5	23	149		153,5	S 76° 05' W	54	196,42	176,5	188,5	48	24,5	1,5
1846	,5			52,5	25,5	133	,5	153	S 73° 51' W	47	172,40	172,5	182,5	85	41	4
1847		,5		45,5	29	138		152	S 73° 33' W	49	179,88	173	192	97	47	5
1848				36,5	42,5	128,5		158,5	S 75° 25' W	50	183,63	191,5	174,5	98	43	8
1849		1		43	42,5	101,5		177	S 83° 32' W	46	166,80	182	183	92	49	6
1850		,5		30,5	44,5	126,5		163	S 77° 41' W	51	187,08	174,5	190,5	93	53	9
Mean.	,86	1,19		29,11	60,17	106,89	18,00	149,50	S 74° 44' W	51	183,97	170,68	194,57			
Total.	15,5	21,5		524	1083	1915,5	324	2691,5				3062,5	3492,5			

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1832	18	26	2	24	25	18	26	7	18	31	16	6	1	13	4	24	22	25	19	28	4	15	31	22
1833	4	11	17	25	21	12	30	13	18	2	23	3	13	4	21	29	14	13	16	31	8	22	31	15
1835	26	7	22	9	26	3	11	17	28	8	11	30	13	1	13	31	5	29	18	31	4	29	20	16
1836	8	27	23	18	31	2	26	11	16	8	10	15	8	26	28	30	19	28	1	26	11	25	9	27
1837	31	2	15	13	7	3	29	4	14	1	30	21	30	18	8	23	10	3	23	13	21	25	2	22
1838	4	31	8	14	23	1	7	17	21	28	21	6	29	23	6	20	22	4	2	31	15	24	1	16
1839	11	23	23	9	28	3	6	17	21	3	8	1	30	5	22	30	9	30	18	21	14	22	7	10
1840	29	16	19	4	1	10	25	7	17	5	29	7	16	2	22	25	9	20	19	26	4	27	14	25
1841	6	4	28	11	25	17	25	10	24	3	8	3	21	28	29	23	3	15	29	25	1	30	10	21
1842	29	5	3	17	4	11	25	1	18	9	30	11	17	31	18	2	12	22	1	21	7	29	21	23
1843	21	1	19	17	28	7	26	2	15	1	9	1	1	20	7	19	3	27	6	31	24	27	25	13
1844	16	27	26	9	1	4	14	1	25	15	19	4	22	4	9	12	20	29	2	31	12	25	7	20
1845	28	31	25	1	31	15	24	8	13	5	8	17	21	7	22	5	7	22	11	21	18	28	29	12
1846	30	19	3	26	13	1	24	13	28	11	1	21	10	15	13	18	4	29	8	28	3	26	31	16
1847	15	21	8	23	25	2	21	1	10	2	10	5	20	27	14	19	8	15	3	26	3	29	9	21
1848	1	10	20	12	31	15	11	19	29	13	27	6	20	16	15	6	11	27	16	18	4	10	7	22
1849	25	10	26	16	20	4	30	14	21	2	22	5	13	2	20	31	16	8	16	31	6	1	20	25
1850	25	14	26	4	13	20	27	9	28	10	19	1	29	8	5	27	4	29	17	29	5	22	3	24

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1832	48	-21	51	-12	60	-5	80	9	86	28	90	42	92	46	91	56	87	32	78	20	63	10	48	7
1833	67	-7	60	-5	68	-6	89	20	87	32	86	34	91	42	86	42	86	32	77	26	62	14	38	7
1835	45	-24	46	-8	60	-8	78	10	83	16	87	40	88	40	89	36	86	28	76	28	66	7	42	-10
1836	40	-28	42	-26	56	-6	76	14	83	27	83	41	86	44	84	37	86	32	64	17	56	14	45	-7
1837	37	-11	48	-7	53	-19	66	18	83	19	89	40	83	40	84	34	83	30	77	19	67	12	63	1
1838	60	-4	41	-10	57	-8	62	17	83	28	89	40	90	45	93	43	88	34	82	26	54	5	40	-4
1839	50	-11	49	-20	63	-6	82	21	80	30	83	39	88	43	88	39	86	29	79	19	51	2	48	4
1840	45	-21	57	-10	68	-2	81	20	93	30	87	36	90	42	90	48	78	34	77	22	61	24	48	6
1841	50	-17	46	-5	60	-12	73	18	87	26	89	37	93	42	89	46	86	38	70	26	70	13	45	-14
1842	55	-7	55	-8	66	-7	84	16	78	30	86	30	92	44	85	43	84	30	75	27	69	10	42	9
1843	48	-3	38	-21	47	-11	72	12	82	30	89	28	92	42	86	45	87	30	70	22	48	18	40	8
1844	31	-12	54	-4	61	-9	88	6	80	28	82	36	84	40	80	42	84	32	68	25	57	10	56	2
1845	44	-1	60	-2	75	-3	78	21	87	26	87	38	95	46	88	42	78	36	68	21	62	8	37	-0
1846	44	-6	48	-5	59	-11	78	21	81	30	80	40	90	44	87	51	84	43	77	20	69	18	47	2
1847	47	-2	45	-12	57	-2	71	0	86	30	81	39	90	42	83	45	88	34	66	19	68	-7	62	9
1848	54	-8	43	-6	66	-2	74	24	82	36	87	38	84	48	86	46	75	28	68	27	52	8	60	12
1849	45	-4	48	-10	58	-6	65	18	80	32	91	42	92	44	86	43	80	37	67	86	64	27	41	1
1850	51	-4	51	-2	63	-6	76	19	78	31	89	37	87	52	85	43	78	33	72	25	69	17	42	-8
Highest.	67		60		75		89		93		91		95		91		88		82		70		63	
Lowest.		-28		-26		-19		0		16		28		40		34		28		17		-7		-14
Range.		95		86		74		89		77		63		55		57		60		65		77		77

SUMMARY OF OBSERVATIONS AT DELAWARE ACADEMY,

DELHI, DELAWARE COUNTY, N. Y., DURING 2 YEARS.

Latitude N. 42° 16'; Longitude W. 74° 58'. Elevation above tide, 1384 feet. In the valley of the west branch of the Delaware river.

OBSERVERS.

1828, STEPHEN C. JOHNSON, Principal.

1837, DANIEL SHEPARD, Principal.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	36,23	25,94	51	-17	68		1,5	,5	1	8,5	9	6,5	4	15,5	15,5	3	2	1	2,00
1837	14,25	21,30	48	-10	58	3	2,5	1	1,5	2	8	10,5	2,5	17	14		6		2,64
Mean.	25,24	23,62				1,50	2,00	,75	1,25	5,25	8,50	8,50	3,25	16,25	14,75				2,32
FEBRUARY.																			
1828	34,41	33,76	60	4	56		1,5			11	8	2,5	6	16,5	12,5	4	2	1	3,05
1837	27,37	24,69	48	-13	61	3,5	2	2	2,5	5	6	5,5	1,5	19	9		2,5		2,26
Mean.	30,89	29,22				1,75	1,75	1,00	1,25	8,00	7,00	4,00	3,75	17,75	10,75				2,65
MARCH.																			
1828	31,39	42,18	70	6	64					10	10	8	3	22,5	8,5	2	1	1	,95
1837	26,80	39,04	58	-17	75	4	1	4	2,5	8	4	7	,5	19	12	5			5,10
Mean.	29,09	40,61				2,00	,50	2,00	1,25	9,00	7,00	7,50	1,75	20,75	10,25				3,02
APRIL.																			
1828	34,21	42,16	54	19	35	1				5	11	5	8	12,5	17,5	4		2	2,12
1837	41,19	42,17	65	30	35	1	,5	3,5	3	5	5,5	6,5	5	19	11	2,5	1,5	1	,79
Mean.	37,70	42,16				1,00	,25	1,75	1,50	5,00	8,25	5,75	6,50	15,75	14,25				1,45

MAY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	54,95	54,79	73	28	45		1,5		,5	1	14	2,5	11,5	19,5	11,5	4			3,89
1837	58,21	55,04	84	19	65	3,5	1,5	3,5	2	7	3	6,5	4	20,5	10,5	7,5			7,86
Mean.	56,58	54,91				1,75	1,50	1,75	1,25	4,00	8,50	4,50	7,75	20	11				5,87
JUNE.																			
1828	64,09	71,51	93	40	53					3	10,5	11,5	5	23,5	6,5	2			2,31
1837	77,53	68,12	89	55	34	3,5	3	1,5	3	8	4	6	1	20,5	9,5	7			12,05
Mean.	70,81	69,81				1,75	1,50	,75	1,50	5,50	7,25	8,75	3,00	22	8				
JULY.																			
1828	62,41	67,86	90	50	40					3	13	11	4	2,5	8,5	4			4,34
1837	69,83	79,01	89	69	20	4,5	3	1	1,5	8,5	4	7,5	3	25	6	3			5,25
Mean.	66,12	73,43				2,25	1,50	,50	,75	5,75	8,50	9,25	2,50	23,75	7,25				4,79
AUGUST.																			
1828	67,60	67,56	90	52	38					3	14	7	7	26	5	2			3,33
1837	65,55	59,89	88	51	37	2	2,5	2	3	6,5	8	3,5	3,5	20,5	10,5	3,5			3,50
Mean.	66,57	63,72				1,00	1,25	1,00	1,50	4,75	11,00	5,25	5,25	23,25	7,75				3,41
SEPTEMBER.																			
1828	56,38	51,89	80	42	38		2			6,5	12	3,5	6	19,5	10,5	3			1,93
1837	58,92	56,72	80	52	48	4,5	2	3	,5	8	4	6,5	1,5	20,5	9,5	1,5			2,00
Mean.	57,65	54,30				2,25	2,00	1,50	,25	7,25	8,00	5,00	3,75	20	10				1,96
OCTOBER.																			
1828	46,04	39,33	62	14	48					3	11,5	8,5	8	17	14	3			2,07
1837	46,46	47,02	77	11	66	4,5	3	1,5	,5	6	6,5	5	4	18	13	6			6,30
Mean.	46,25	43,17				2,25	1,50	,75	,25	4,50	9,00	6,75	6,00	17,50	13,50				4,18
NOVEMBER.																			
1828	43,93	32,44	63	3	60	1				2	9	8,5	9,5	10,5	19,5	3	4		2,26
1837	38,78	37,64	58	14	44	5	1	,5	,5	7	6	8	2	18	12	3	2,5	2	4,50
Mean.	41,35	35,04				3,00	,50	,25	,25	4,50	7,50	8,25	5,75	14,25	15,75				3,39
DECEMBER.																			
1828	35,51	28,72	50	3	47					3	14,5	9,5	4	21,5	9,5	5	1	2	,60
1837	32,57	26,59	58	—5	63	5	2		1	4,5	8	6,5	4	17	14	1,5	4		2,70
Mean.	34,04	27,65				2,50	1,00		,50	3,75	11,25	8,00	4,00	19,25	11,75				1,65

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.						WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						
	MEAN TEMPERATURE.		Whole month.	Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	Rain gage, total fall.
	First Half.	Seco'd Half.																						
January, --	25.24	23.62	24.42	51	-17	68	1.50	2.00	.75	1.25	5.25	8.50	8.50	3.25	S 62° 43' W	50	15.14	16.25	14.75				2.32	4.64
February, --	30.59	29.22	30.05	60	-13	73	1.75	1.75	1.00	1.25	8.00	7.00	4.00	3.75	S 45° 56' W	42	12.53	17.75	10.75				2.65	5.31
March, ---	29.09	40.61	34.55	70	-17	87	2.00	.50	2.00	1.25	9.00	7.00	7.50	1.75	S 42° 52' W	51	15.36	20.75	10.25				3.02	6.05
April, ----	37.70	42.16	39.93	65	-19	46	1.00	.25	1.75	1.50	5.00	2.25	5.75	6.50	S 45° 05' W	48	14.55	15.75	14.25				1.45	2.91
May, -----	56.53	54.91	55.79	84	-19	65	1.71	1.50	1.75	1.21	4.00	2.50	4.50	7.75	S 77° 59' W	42	12.60	20.00	11.00				5.57	11.75
June, -----	70.81	69.81	70.33	93	-40	53	1.75	1.50	.75	1.50	5.50	7.25	8.75	8.00	S 62° 46' W	49	14.77	22.00	8.00				7.18	14.36
July, -----	66.12	73.43	69.77	80	-50	40	2.25	1.50	.50	1.75	5.75	8.50	9.25	2.50	S 64° 31' W	55	16.55	23.75	7.25				4.79	9.59
August, ----	66.27	63.72	65.15	90	-51	39	1.00	1.25	1.00	1.50	4.75	11.00	5.25	5.25	S 59° 59' W	53	15.94	32.25	7.75				3.41	6.83
September, --	57.63	54.30	56.00	80	-32	48	2.75	2.00	1.50	.25	7.25	8.00	5.00	3.75	S 55° 15' W	40	12.01	20.00	10.00				1.96	3.98
October, ---	46.25	43.17	44.71	77	-11	66	2.25	1.50	.75	.25	4.50	9.00	6.75	11.50	S 82° 47' W	64	19.26	17.50	13.50				4.18	8.37
November, --	41.35	35.04	33.19	63	-8	60	3.00	.50	.25	.25	4.50	7.50	8.25	5.75	S 81° 22' W	57	17.03	19.25	15.75				3.39	6.76
December, --	34.04	27.65	30.75	58	-5	63	2.50	1.00	.50	.50	3.75	11.25	8.00	2.00	S 68° 27' W	58	17.54	19.25	11.75				1.65	3.30
Mean, ----	46.86	46.47	46.66				1.95	1.27	1.00	.95	5.60	8.47	6.54	4.72	S 65° 25' W	49	14.60	19.21	11.25				3.49	6.93

Highest degree, July 7, 1832, - - - - - 93°
 Lowest degree, January 22, 1828, and March 2, 1837, - - - - - 17
 Extreme range in 2 years, - - - - - 110

Mean monthly range, 59°
 Total fall of rain and snow in 2 years, 6 feet, 11.76 inches.

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1828	2	6, 5	5	1, 5	59	136, 5	84	76	S 74° 10' W	67	243, 3	227	139			
1837	44	24	23, 5	21, 5	75, 5	67	79	30, 5	S 68° 13' W	29	107, 4	234	130			
Mean.	23, 00	15, 25	12	11, 50	67, 25	101, 78	81, 50	53, 25	S 80° 35' W	43	158, 80	235, 50	134, 50			
Total.	46	30, 5	24	23	131, 5	203, 5	163	106, 5				461	269			

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1828	22	12	12	7	4	29	9	29	7	3	9	27	2	26	20	28	28	23	15	10	17	4	31	2
1837	30	4	7	13	28	2	28	1	31	1	30	21	19	11	2	29	28	24	23	13	20	26	2	21

SUMMARY OF OBSERVATIONS AT DUTCHESS ACADEMY,

POUGHKEEPSIE, DUTCHESS COUNTY, N. Y., DURING 16 YEARS.

Latitude N. 41° 41'; Longitude W. 73° 55'. On the eastern bank of the Hudson.

OBSERVERS.

1829, '30, (Ex. rain gage,) ELIPHAZ KAY, Principal. 1831, E. KAY, J. ROWE and RUFUS B. GREGORY. 1832, R. B. GREGORY, Principal, and D. R. BACON. 1833, L. C. HOLCOMB, Principal, and WM. ATWELL, Teacher. 1834, EUGENE C. HOLCOMB and LEMUEL C. HOLCOMB. 1835, L. C. HOLCOMB, WM. ATWELL, W. BURR, A. B. HOLCOMB and J. COOLEY.	1836, JEFFERSON COOLEY, Principal. 1842, WILLIAM JENNEY, Principal. 1843, WILLIAM JENNEY and WILLIAM McGEORGE, Principals. 1844, WILLIAM McGEORGE, Principal. 1845, '6, BAYNARD R. HALL, Principal.
--	---

JANUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	25,39	31,51	56	056	3,5	5,5			4,5	2,5	2	2,5	10,5	16,5	14,5	1	3	4	
1830	32,00	20,94	58	— 664	6,5	2			2	5,5	6,5	1	7,5	20	11	2	2,5	2	2,46
1831	25,93	16,68	56	—1066	7,5	6			1,5	2,5	5,5	2,5	5,5	22	9	2	3		2,50
1832	26,69	24,91	52	— 456	5,5	4	2		4,5	5,5	6,5	2	1	18	13	2,5	3,5	1	4,88
1833	34,66	27,70	65	— 166	2	2			10	7,5	3,5	1	5	12	19	2,5	3	,5	2,62
1834	24,17	24,55	49	— 247	2	3,5			10	1	4	,5	10	19,5	11,5	2,5	1,5		
1835	10,39	35,77	50	—3080	7,5	2,5			13	1	1,5		5,5	24	7	4			3,55
1836	31,12	19,11	43	—1154	5,5	9,5	,5		11,5		3		1	13	18	3	5	1	6,14
1841	26,44	30,33	49	—1261	7	5,5	1		8,5	6,5	2	,5	12	19	6	6	3		4,87
1842	27,31	32,88	52	— 448	3	,5			5	12	6,5		4	17	14	6	5		1,37
1843	32,20	32,74	55	— 358	7	,5			2,5	10	9	2		16,5	14,5	5	2		2,13
1844	24,67	15,53	43	—1255	12	4,5			,5	2,5	2	3,5	6	20	11	5	3		3,93
1845	31,31	28,42	48	— 543	11,5	3,5	2		4	1	3,5	4	1,5	14,5	16,5	7	7	2	4,45
1846	32,92	23,83	56	— 763	13,5	1	1		1,5	2	3,5	8	,5	13	18	3	4		2,20
1847	31,59	25,64	60	— 357	5,5		1		,5	5,5	3,5	12	3	14	17	1	1	1	3,30
1849	18,04	28,83	53	— 861	8	7	,5		,5	1	8	2,5	3,5	5,5	25,5	3			,45
Mean.	27,18	26,21				6,72	3,59	,50	4,47	4,25	4,69	2,72	4,06	16,09	14,91				3,20
Total.						107,5	57,5	8	71,5	68	75	43,5	65	257,5	238,5				44,85

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	23,40	27,53	46	—	6,52	,5	4,5	1	1	2,5	4,5	3	11	18	10	1	3	1	
1830	16,91	36,45	61	—	10,71	7			1,5	7,5	1,5	,5	10	20	8	2	2,5		2,13
1831	18,90	28,90	46	—	12,58	4	2		,5	6	2,5	6,5	6,5	23	5	1,5	1	1,5	3,50
1832	28,22	27,04	48	—	5,53	12,5	2		8	2	1,5	1	2	14	15	3	4	1,5	3,22
1833	22,21	29,31	48	—	7,55	4	2	,5	8	2,5	2,5	,5	8	16,5	11,5	1,5	3,5	,5	1,53
1834	32,64	40,10	53		3,50	2,5	2,5		13,5	1	2		6,5	15	13	2,5	1		
1835	19,07	30,04	47	—	1,48	3	4,5		6,5		8		6	13,5	14,5	1,5	4,5		1,28
1836	16,46	22,23	48	—	20,68	2,5	5	,5	11,5	,5	2	1	6	15,5	13,5	2	7		2,62
1841	21,64	29,24	52	—	13,65	7,5		6,5	1,5	7	4,5		1	19,5	8,5		4	1	,75
1842	38,23	31,99	56		10,46	5	3			11,5	3,5	1,5	3,5	16,5	11,5	6	2	2	3,00
1843	20,75	22,48	46	—	8,54	7,5	1	,5	,5	4,5	7,5	2,5	4	13	15	1	10		1,05
1844	25,16	31,55	57	—	6,63	9	1,5			5	8	5,5	20	9	1	5			1,15
1845	18,44	41,68	65	—	2,67	8,5	4	1	7	,5	3	2,5	1,5	13	15	4	5		2,46
1846	27,39	20,62	48	—	8,56	10	3	2,5		1	2	7,5	2	12,5	15,5		5		1,44
1847	29,00	25,77	48		2,46	12,5	1	,5	2	1,5	2,5	6	2	9,5	18,5	2	2	1	3,50
1849	19,67	22,19	48	—	10,58	7	11,5			,5	5,5	1	2,5	1,5	26,5	1	7		1,42
Mean.	23,63	29,19				6,44	2,97	,81	3,84	3,03	3,62	2,59	4,89	15,06	13,12				2,07
Total.						103	47,5	13	61,5	48,5	58	41,5	78	241	210				29,05

MARCH.

1829	36,95	36,31	64	16	48	2	,5		2,5	3,5	5	3	14,5	21	10	2	4		
1830	35,14	42,65	70	15	55	4,5	3		2,5	4	7	1,5	8,5	15,5	15,5	4,5	2	1,5	4,85
1831	40,77	45,31	66	18	48	4,5	1,5		2,5	6	10	2	4,5	22,5	8,5	4,5	1	,5	3,50
1832	38,15	38,85	66	9	57	6		3	11	3,5	1	2	4,5	16,5	14,5	5	1,5		4,12
1833	26,29	42,79	66	—	2,68	5	2	2,5	10	3,5	2	1,5	4,5	17	14	2,5	3,5		2,13
1834	40,66	39,46	69	17	52	1,5	1,5		14	2	4,5	2	5,5	18,5	12,5	5,5	2		
1835	31,98	38,72	61	5	56	,5	5		10,5	2,5	4	1,5	7	17,5	13,5	1	3	1	2,74
1836	26,99	34,48	58	—	4,62	1,5	3		19	1,5	3		3	22	9	3	2		,87
1841	31,07	38,66	78	7	71	15	2		10,5	1	1	1,5	19	12	3	4			1,73
1842	41,98	41,63	76	16	60	2	6	1	1,5	7	9,5	,5	3,5	17,5	13,5	4	1	2	2,71
1843	24,97	29,20	46	6	40	11,5	2		,5	2,5	5,5	5	4	18,5	12,5	1	4		3,08
1844	41,09	35,58	57	14	43	6,5	2,5	1	1	2	3,5	9,5	5	15	16	6	1	2	4,23
1845	40,60	41,37	77	16	61	7	1,5	3,5	7	1	5	5	1	14,5	16,5	3	4	2	3,54
1846	34,39	42,33	64	4	60	15,5		1	1	6,5	2,5	4	,5	18	13	4	1	1	2,83
1847	32,34	34,07	61	4	57	8,5	6		2,5	1,5	4,5	5	3	13	18	2	,5	,5	2,10
1849	33,50	41,77	66	12	54	6,5	13,5		,5	2	7		1,5	2	29	6	2	2	2,71
Mean.	34,80	38,95				6,13	3,12	,75	5,38	3,72	4,68	2,72	4,50	16,75	14,25				2,94
Total.						98	50	12	86	59,5	75	43,5	72	268	228				41,14

APRIL.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	49,02	56,50	84	28	56	6	2,5	1	2	5	3,5	,5	9,5	21	9	5	1	1	
1830	51,07	60,29	87	32	55	8	7,5	1,5	1,5	7	2		2,5	20,5	9,5	3,5			2,07
1831	51,25	55,15	74	28	46	3	4		1,5	3	11,5	2	5	18,5	11,5	6			5,85
1832	47,68	47,26	86	24	62	10	3,5	,5	5	5,5	3	,5	2	18,5	11,5	6,5			3,20
1833	52,38	56,65	88	28	60	1,5	5		11,5	3	3	1,5	4,5	20,5	9,5	2,5			1,75
1834	53,30	47,94	90	18	72	4,5	9		8,5	1	3		4	16,5	13,5	8		2	
1835	47,69	47,15	76	24	52	2	,5		10,5	1	5	2	9	12,5	17,5	8	5		5,03
1836	40,81	52,39	79	18	61	3,5	2		14,5	1,5	3,5	1	4	18,5	11,5	6	2		2,28
1841	40,24	48,41	68	24	44	9	2,5	,5	2,5	5,5	2,5	4	3,5	11	19	9	3	1	3,64
1842	46,47	53,67	78	24	54	4	10,5	,5	3	1,5	7,5	1	2	16,5	13,5	6			4,25
1843	42,38	53,29	74	25	49	2,5	8,5			1,5	7,5		10	13,5	16,5	6,5	,5		2,92
1844	55,84	56,95	88	16	72	5		,5		6	5,5	5	8	20,5	9,5	4			1,05
1845	45,94	51,86	84	28	56	7	2	4,5	5,5	1	6,5	3	,5	13,5	16,5	7	1		2,58
1846	48,28	57,33	85	28	57	8	2	2	,5	4	7,5	3,5	2,5	20,5	9,5	5			1,57
1847	44,38	49,04	83	2	81	5,5	4		1,5	5,5	7	2	4,5	20,5	9,5	2,5	,5		,92
1849	47,14	45,18	70	25	45	8,5	,5		,5	8	4	2,5	6	8	22	4		1	,96
Mean.	47,74	52,44				5,50	4,00	,69	4,28	3,75	5,16	1,78	4,84	16,97	13,03				2,72
Total.						88	64	11	68,5	60	82,5	28,5	77,5	270,5	209,5				38,07

MAY.

1829	56,52	72,06	92	32	60	5	3,5	1	4,5	2,5	8	1	5,5	22,5	8,5	5			
1830	63,29	61,36	82	42	40	1,5	2		5	6	10	2	4,5	23	8	6			5,32
1831	56,04	67,07	94	32	62	4	1	2,5	7	10	2	1	3,5	21	10	6,5			3,40
1832	58,97	56,82	82	36	46	11		1,5	4,5	8,5		3,5	2	18	13	4,5			3,27
1833	62,49	64,32	88	36	52	6	4,5	,5	15		1,5		3,5	11,5	19,5	11			4,08
1834	50,57	65,26	89	38	51	2,5	4		16	2	3	,5	3	18	13	5,5			
1835	54,26	60,87	91	39	52	4,5	1,5	1	10,5	3,5	3		7	22	9	4			1,66
1836	63,43	62,95	89	32	57	2,5	9	1,5	12	,5	2,5		3	21,5	9,5	6			1,26
1841	49,23	66,34	87	33	54	5	2	,5	2,5	13	3	2	3	19,5	11,5	5		1	1,47
1842	55,14	60,00	82	34	48	5,5	5,5	,5	2	11	4	,5	2	20,5	10,5	7			2,62
1843	59,81	57,83	88	34	54		6,5		4,5		7,5	,5	12	15	16	8			1,37
1844	59,88	63,76	86	33	53	,5		,5	,5	10,5	6,5	5,5	7	24	7	9			5,05
1845	60,65	55,77	92	32	60	8	5	1	7,5	,5	5,5	1,5	2	16,5	14,5	9			1,14
1846	60,30	62,27	92	38	54	6	2,5	,5	1,5	11,5	6,5	2	,5	13,5	17,5	11			5,16
1847	58,08	61,11	90	36	54	8	7	1	5	6	1	1,5	1,5	20	11	4			3,22
1849	52,64	60,63	86	36	50	11,5	1,5	4,5	1,5	10	1	,5	,5	7	24	12			6,36
Mean.	57,58	62,40				5,09	3,47	1,03	6,22	5,08	4,05	1,38	3,78	18,34	12,66				3,24
Total.						81,5	55,5	16,5	99,5	95,5	65	22	60,5	293,5	202,5				45,38

OBSERVATIONS AT DUTCHESS ACADEMY.

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	71,51	69,08	90	48	42		3,5		1	13	3,5	4	5	22,5	7,5	4			
1830	67,29	71,37	92	48	44		4		3,5	2,5	14	1	5	20	10	9			4,24
1831	75,56	72,06	96	50	46	6,5	,5	2	5	14,5	1	,5		23	7	4,5			4,22
1832	60,15	71,04	92	44	48	7,5			2	18,5		1,5	,5	21,5	8,5	3			,82
1833	63,84	67,07	87	38	49	2	2		14	,5	4,5	2	5	17	13	11			4,62
1834	65,81	67,41	94	44	50	2	2,5	1,5	16	1,5	1,5	1	4	18	12	8			
1835	79,46	65,24	96	42	54	4	1		14	7	1		3	26	4	,5			2,91
1836	66,63	65,44	93	43	50	2,5	13,5	,5	12				1,5	16	14	8			4,73
1841	70,88	72,49	94	44	50	3	1,5		3	16	3,5	1,5	1,5	16,5	13,5	8			3,03
1842	61,79	60,80	87	41	46	5	3,5		2	15,5	3		1	15,5	14,5	11			3,98
1843	64,10	74,74	90	30	60	,5	7		8,5	3,5	5	1,5	4	20,5	9,5	8			4,78
1844	63,11	73,07	90	40	50	6,5	11,5				6	2,5	3,5	20	10	7			4,55
1845	71,02	61,13	98	40	58	4,5	2	1,5	6,5		9,5	5,5	,5	18,5	11,5	13			2,10
1846	68,85	66,30	89	36	53	7,5	1	,5	,5	6	7,5	7		16,5	13,5	9			2,16
1847	63,17	68,69	95	45	50	3	1,5	,5	6,5	7,5	3,5	3,5	4	15	15	5,5			3,67
1849	65,73	76,24	102	44	58	9	3		,5	7,5	9,5		,5	8	22	6			1,24
Mean.	67,43	68,88				3,97	3,63	,41	5,93	7,09	4,56	1,97	2,44	18,41	11,59				3,36
Total.	-					63,5	58	6,5	95	113,5	73	31,5	39	294,5	185,5				47,05
JULY.																			
1829	71,32	75,26	90	50	40	6,5	,5		1,5	8,5	9	1	4	21,5	9,5	5			
1830	74,74	80,41	100	50	50	3	4,5		1	7	9		6,5	22,5	8,5	6			5,85
1831	73,03	75,29	90	61	29	2,5	,5		5	12	7,5	1,5	2	22	9	7,5			3,81
1832	72,28	70,95	99	50	49	8	1,5	1,5	2,5	14	,5	1,5	1,5	22	9	6,5			4,98
1833	73,69	72,70	99	50	49	,5	3,5	1,5	14	4,5	5		2	22	9	5,5			3,26
1834	76,57	75,99	101	50	51	2,5	7		15	3,5	1,5		1,5	19	12	5,5			
1835	71,86	74,49	94	47	47	3,5	2,5	,5	12	7	2,5	,5	2,5	25	6	2			2,89
1836	75,81	71,38	96	51	45	3,5	5		13,5	3,5	3		2,5	21	10	7			4,31
1841	72,77	74,36	97	46	51	5,5	,5		1	10,5	6,5	,5	6,5	21,5	9,5	7			,94
1842	74,13	79,54	94	54	40	7	1	,5	1	13,5	6	,5	1,5	18,5	12,5	10			5,60
1843	71,81	73,37	96	52	44	1,5	5,5		6,5	4,5	5	2,5	5,5	23,5	7,5	8			2,45
1844	70,82	69,31	91	48	43	9	1	1		11,5	,5	3,5	4,5	22,5	8,5	12			8,45
1845	74,22	73,02	102	46	56	5,5	3	1,5	4,5	,5	10,5	5,5		21,5	9,5	6			2,36
1846	73,55	70,95	100	46	54	7,5	5,5	,5	1	1	8	6,5	1	9,5	21,5	13			4,20
1847	74,44	73,05	98	47	51	7,5	1	1,5	2,5	1,5	13,5		3,5	19,5	11,5	3,5			1,92
1849	75,31	77,64	105	55	50	7	3		2,5	7,5	9,5	,5	1	10,5	20,5	3			,49
Mean.	73,52	74,23				5,03	2,84	,53	5,22	6,91	6,09	1,50	2,88	20,12	10,88				3,68
Total.						80,5	45,5	8,5	83,5	110,5	97,5	24	46	322	174				51,51

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	74, 78	71, 96	91	50	41	7	1, 5	, 5	2	17	1	2	25	6	3				
1830	74, 53	72, 22	93	50	43	5	1		4	10, 5	1, 5	9	23	8	5				1, 50
1831	72, 63	74, 49	92	48	44	7	2		9, 5	5, 5	, 5	4, 5	21, 5	9, 5	5				8, 67
1832	73, 47	67, 71	90	42	48	4, 5	1, 5	, 5	3	15, 5	3	, 5	2, 5	20	11	6, 5			8, 26
1833	71, 34	67, 91	89	42	47	2	5		18, 5	2	1, 5	2	22	9	7				4, 45
1834	77, 94	68, 65	96	43	53	5	5		13	2	1, 5	4, 5	25	6	2				
1835	70, 21	69, 67	91	42	49	3, 5	2	, 5	12	5	4	1, 5	2, 5	26, 5	4, 5	1, 5			1, 47
1836	67, 62	66, 24	88	42	46	6	1, 5		11, 5	5, 5	2, 5		4	22	9	5			1, 54
1841	73, 63	74, 93	90	46	44	10	2	, 5	, 5	11	5	2	15, 5	15, 5	10				4, 15
1842	69, 28	73, 84	90	48	42	8	4, 5		2	7, 5	6	2	13	18	11				4, 13
1843	70, 59	73, 37	95	53	42	3, 5	4	1	4	5, 5	3, 5	3	6, 5	18, 5	12, 5	3			8, 25
1844	73, 06	76, 81	92	36	56	3, 5		1, 5	, 5	14, 5	1, 5	4	5, 5	25, 5	5, 5	7			2, 45
1845	74, 63	73, 95	98	49	49	5, 5	4	, 5	3, 5	1, 5	11	3, 5	1, 5	19, 5	11, 5	10			2, 76
1846	74, 70	71, 53	98	48	50	7	4	1	1, 5	4	10	3	, 5	11, 5	19, 5	8			4, 09
1847	72, 54	68, 62	92	47	45	6, 5	4		2	2	11	2	3, 5	19, 5	11, 5	4, 5			2, 35
1849	72, 58	72, 76	95	46	49	5	4, 5	, 5	2, 5	6, 5	11	1	6, 5	24, 5	9				3, 39
Mean.	72, 72	71, 48				5, 56	2, 91	, 41	4, 78	6, 12	6, 53	1, 41	3, 28	19, 66	11, 34				4, 10
Total.						89	46, 5	6, 5	76, 5	98	104, 5	22, 5	52, 5	314, 5	181, 5				57, 46
SEPTEMBER.																			
1829	63, 92	59, 63	94	36	58	1, 5	1, 5		1	3	9	1, 5	12, 5	22, 5	7, 5	3			
1830	68, 19	60, 55	86	32	54	2, 5	2, 5		, 5	4	11		9, 5	22	8	4, 5			1, 46
1831	68, 61	61, 06	88	38	50	8			1	15	4	, 5	1, 5	17	13	6, 5			4, 48
1832	61, 36	64, 75	84	39	45	5, 5	1, 5	, 5	1	15, 5	2	2, 5	1, 5	21, 5	8, 5	6, 5			3, 80
1833	63, 24	64, 77	88	34	54	6	1, 5	, 5	11	1, 5	3, 5	1	5	19	11	6			2, 52
1834	65, 55	60, 64	89	28	61	2, 5	3, 5		19, 5		2, 5	, 5	1, 5	16, 5	13, 5	3, 5			
1835	63, 54	56, 00	91	36	55	, 5	6, 5		10	4	3	1	5	22	8	, 5			, 89
1836	64, 76	62, 59	92	32	60		7, 5	, 5	16		1, 5		4, 5	15, 5	14, 5	7			1, 49
1841	70, 66	64, 08	87	44	43	12	3	, 5	1	11, 5	, 5	, 5	1	18, 5	11, 5	6			1, 47
1842	69, 07	54, 59	86	38	48	15, 5	1	1		5	6	1, 5		19, 5	10, 5	6			3, 75
1843	65, 15	67, 32	98	29	69	6	3	3	2, 5	3, 5	4	7	1	20	10	7			4, 62
1844	64, 71	59, 98	92	36	56	11, 5	1	, 5		9, 5		1, 5	6	24, 5	5, 5	6			2, 45
1845	64, 82	62, 64	85	35	50	8, 5	2		8, 5	2	5	4		20, 5	9, 5	7			3, 00
1846	76, 11	63, 89	100	34	66	6, 5	3, 5	, 5		1, 5	8, 5	9, 5		19	11	1			, 20
1847	68, 03	57, 26	92	33	59	11	3, 5		2	2, 5	6	2, 5	2, 5	13, 5	16, 5	3			3, 23
1849	65, 69	62, 85	89	40	59	5	5	1	2, 5	, 5	11, 5	2	2, 5	8, 5	21, 5	2			, 83
Mean.	66, 46	61, 89				6, 40	2, 91	, 50	4, 78	4, 94	4, 88	2, 22	3, 37	18, 75	11, 25				2, 44
Total.						102, 5	46, 5	8	76, 5	79	78	35, 5	54	300	180				34, 19

OBSERVATIONS AT DUTCHESS ACADEMY.

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	54,42	57,49	78	26	52	1,5	1,5	2	2	2,5	11,5	1	9	23	8	4			
1830	58,66	52,06	82	28	54	4	3		2	5	10		7	22,5	8,5	5			3,61
1831	54,70	54,86	80	31	49	8,5			2,5	13,5	2	1,5	3	21,5	9,5	5			6,08
1832	55,82	49,85	76	31	45	9,5	3,5		5	9	2		2	17,5	13,5	2,5			3,73
1833	54,26	46,22	76	26	50	2	5	2	12	3,5	3	,5	3	10	21	8		,5	8,64
1834	54,82	43,63	80	23	57	1	3		12,5	1,5	2	1	10	19	12	6		,5	
1835	53,42	62,93	78	31	47	2	2	1	19	1,5	4	,5	1	20,5	10,5	3			1,59
1836	48,08	42,41	73	20	43	2,5	6,5		11,5		5,5		5	19	12	5	1		2,67
1841	48,59	47,72	72	24	48	10	1		1,5	8,5	6		1	18	13	5			2,07
1842	54,59	42,52	74	30	44	6	2	,5	1	12	2,5	6,5	,5	25,5	5,5	3			1,05
1843	53,79	46,25	86	28	58	6,5	6	1	3,5	3	2,5	5,5	3	18,5	12,5	9			8,20
1844	54,99	50,16	73	26	47	5	1,5	1	1	6,5	4	6	6	16,5	14,5	8			4,53
1845	60,24	49,54	88	16	72	4	2	,5	10,5	2	3	5,5	3,5	21	10	4			2,26
1846	57,86	46,67	95	20	75	5	7	1	1	2,5	9,5	4	1	16,5	14,5	4			2,41
1847	52,55	47,71	77	20	57	10,5	2	2,5	1,5	6,5	3	2,5	2,5	16,5	14,5	2,5			1,92
1849	49,55	52,27	72	32	40	9,5	7,5	1,5		,5	10		2	8	23	10			5,58
Mean.	54,15	49,52				5,46	3,35	,81	5,41	4,88	5,03	2,34	3,72	18,34	12,66				3,88
Total.						87,5	53,5	13	86,5	78	80,5	37,5	59,5	292,5	201,5				54,34
NOVEMBER.																			
1829	43,05	39,37	60	20	40		4,5	1	2,5	5	8	4	5	14	16	6	2	1	
1830	51,42	45,15	70	28	42	2,5	15	1	1	2	7,5		1	12	18	8		2	7,00
1831	44,00	37,46	63	26	37	7,5			5	2	6,5	5	4	19	11	3		,5	2,45
1832	43,86	39,31	62	13	49	5,5	3,5	1,5	1,5	7,5	7,5	1	2	16	14	6			3,65
1833	43,25	32,78	64	18	46	3	6	1	9	4,5	5		1,5	11	19	5	3,5	1	2,88
1834	41,19	36,75	57	20	37	3	5		10	,5	4		7,5	16	14	4	1	1	
1835	48,87	35,02	70	13	57	3	2,5	,5	15	2,5	3,5	1,5	1,5	12,5	17,5	7	2		2,19
1836	41,43	35,53	66	19	47	7	2		8	5	4,5	1	2,5	16,5	13,5	3			2,07
1841	38,54	34,66	69	4	65	7,5	1		1,5	6	4	6	4	16	14	7	3		3,02
1842	42,62	30,84	62	15	47	8	3		1	9	6	3		18	12	4	3	2	3,05
1843	34,04	42,31	70	12	58	17	,5		,5	4,5	2	3,5	2	19	11	6			3,50
1844	45,23	34,84	62	14	48	8	2		,5	5,5	2,5	7,5	4	14	16	7	1		1,51
1845	47,01	40,25	74	14	60	7,5	2,5	1,5	5	,5	8	5		15,5	14,5	5	1		5,15
1846	49,81	39,02	59	20	39	8	11,5	,5		1,5	6	2,5		4	26	8	1		6,67
1847	49,16	41,23	76	6	70	5,5	,5		2	2,5	12	1,5	6	14,5	15,5	2,5			,89
1849	49,31	44,69	70	22	48	10	4,5		3,5	1	6,5	2	2,5	6	24	8			3,33
Mean.	44,55	38,08				6,44	4,00	,44	4,12	3,72	5,84	2,72	2,72	14,00	16,00				3,38
Total.						103	64	7	66	59,5	93,5	43,5	43,5	224	256				47,36

OBSERVATIONS AT DUTCHESS ACADEMY.

93

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain-gage.
	First Half.	Second Half.																	
1829	39,42	38,24	68	12	56	4,5	2,5		4	8	3,5	1	7,5	17,5	13,5	5	1		
1830	36,04	31,68	60	—	9 69	2	6		5,5	2	6,5	4	5	13	18	7,5	1,5	1	5,85
1831	19,56	18,77	34	—	5 39	4	2		1	3	6	3,5	11,5	15,5	15,5	5	4,5		1,27
1832	36,30	28,22	46	8	38	10,5	5	2	6	3	5	2,5	1,5	11,5	19,5	6	4	2	3,46
1833	31,11	30,72	42	13	29	6,5	9	2,5	4	5	2,5	5,5	5,5	12,5	18,5	1	2,5	1,5	2,04
1834	33,73	23,79	50	—	4 54	3	5	5	8	1	5,5	1	7	10,5	20,5	2	7		
1835	23,12	24,35	43	—22	65	3	5		12,5	5	4	1,5	4,5	15	16	3	3		2,78
1836	32,98	25,05	49	—	3 52	1,5	1,5		12,5	1	7,5	1,5	5,5	19	12	5	2	1	4,50
1841	38,50	32,10	49	3	46	11,5	3		2	9,5	1	2	2	12	19	6	6	2	2,51
1842	30,08	27,64	46	7	39	3,5	5		1,5	5,5	9	6	5	13,5	17,5	2	3	2	2,60
1843	30,93	33,14	58	4	54	11,5			13	1	5	5	5	14,5	16,5	3	3		9,95
1844	31,94	29,18	57	—	1 58	13	3,5	1,5	5	2	7	2,5	1	10,5	20,5	4	4	1	3,86
1845	23,46	23,77	50	—	4 54	8	6	1	1,5	1	5	10,5	2,5	20	11	1	3	1	2,65
1846	29,67	29,16	50	0	50	10,5	6,5	1,5		2,5	4	6		10	21	4	2		3,11
1847	42,08	28,10	61	5	56	10	2,5		1,5	4,5	8,5	5	3,5	11	20	5,5	1,5		6,46
1849	30,40	27,98	42		2 40	8	1,5		1	1,5	10	1	8	9	22	2	6	2	1,91
Mean.	31,83	28,24				6,94	3,72	5,56	3,84	3,66	5,09	3,06	4,13	13,44	17,56				3,14
Total.						111	59,5	9	61,5	58,5	81,5	49	66	215	281				43,95

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gauge, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gauge, Monthly mean.	
	First Half.	Seco'd Half.																					
January, --	27.18	26.21	65	—12	77	6.72	3.59	.56	4.47	4.25	4.69	2.72	4.66	N 53° 62' W	10	3.05	16.69	14.91				3.20	44.55
February, --	23.63	29.19	65	—20	85	6.44	2.97	.81	3.84	3.63	3.62	2.59	4.52	N 38° 56' W	16	4.75	15.06	13.12				2.07	29.05
March, ---	34.80	38.95	78	—4	82	6.13	3.12	.75	5.37	3.72	4.65	2.72	4.50	N 31° 44' W	16	4.77	16.75	14.25				2.94	41.14
April, ----	47.74	52.44	90	2	88	5.50	4.00	.69	4.25	3.75	5.16	1.78	4.21	N 46° 55' W	10	3.15	16.97	13.63				2.72	38.67
May, ----	57.58	62.40	94	32	62	5.09	3.47	1.03	6.22	5.98	4.03	1.38	3.71	N 58° 15' E	10	3.10	18.34	12.66				3.23	45.38
June, ----	67.43	68.88	102	40	62	3.97	3.62	4.41	5.92	7.09	4.56	1.97	3.41	N 18° 41' E	21	6.41	18.41	11.59				3.36	47.65
July, ----	73.52	74.23	102	46	56	5.03	2.84	5.53	5.22	6.91	6.09	1.56	2.58	N 12° 50' W	20	5.91	20.12	10.88				3.68	51.51
August, ---	72.72	71.48	98	36	62	5.56	2.91	4.41	4.75	6.12	6.53	1.41	3.25	N 31° 12' W	16	4.87	19.66	11.34				4.10	57.46
September, --	66.44	61.39	100	28	72	6.40	2.91	.50	4.78	4.94	4.88	2.32	3.37	N 87° 25' W	7	2.12	13.75	11.25				2.44	34.19
October, --	54.15	49.52	95	20	75	5.46	3.35	.81	5.41	4.88	5.03	2.34	3.72	N 41° 39' W	5	1.64	18.34	12.66				3.88	54.84
November, --	44.55	38.08	76	4	72	6.44	4.00	4.44	4.12	3.72	5.84	2.72	3.72	N 59° 23' W	7	2.10	14.00	16.00				3.38	47.86
December, --	31.83	28.24	65	—22	87	6.94	3.72	.56	3.84	3.66	5.09	3.06	4.13	N 55° 36' W	15	4.46	13.44	17.56				3.14	49.95
Mean. ----	50.13	50.09				5.81	3.38	.62	4.85	4.85	5.01	2.19	3.72	S 42° 56' W	4	1.88	17.16	13.27				3.18	44.55

Highest degree, June 22, 1849, and July 13, 1845, —
 Lowest degree, December 16, 1835, — — — — —
 Extreme range in 16 years, — — — — —
 Greatest monthly range in April.
 Least monthly range in July.

— 102°
 — 22
 — 124

Mean monthly range, 73°.
 Driest month, February.
 Wettest month, August.
 Total fall of rain and snow in 14 years, 44 feet, 6, 36 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1829	28.45	25.46	36.63	52.76	64.29	70.29	73.29	72.92	61.79	55.95	41.21	34.83	51.82	94	-6	100	60	February 5,	September 2,	October 8,	November 14,
1830	26.47	26.68	38.94	56.68	62.33	69.89	77.51	73.37	64.37	55.36	48.28	33.86	52.13	100	-10	110	71	February 7,	July 22,	September 18,	November 25,
1831	21.30	23.90	43.04	53.20	61.55	73.81	74.16	73.56	64.83	54.75	40.96	19.10	56.60	96	-12	108	66	January 21,	June 2,	September 30,	November 22,
1832	25.80	27.63	38.50	47.47	57.89	65.59	71.61	70.59	63.03	52.82	41.58	30.91	57.72	99	-5	104	62	January 27,	July 22,	October 15,	December 3,
1833	31.18	25.76	34.51	54.42	61.54	65.45	73.19	69.57	69.00	59.54	38.01	30.91	49.93	99	-7	106	68	February 1,	July 22,	September 14,	October 20,
1834	24.36	36.37	40.06	50.62	57.91	66.61	76.95	73.29	63.09	49.23	38.99	25.26	50.42	101	-4	105	72	December 14,	July 8,	November 1,	November 1,
1835	24.09	24.58	35.35	47.92	57.56	72.35	73.17	69.94	59.71	55.17	41.94	33.73	48.95	96	-20	126	80	January 4,	July 13,	September 15,	November 23,
1836	25.11	19.34	30.73	46.60	63.19	65.08	73.59	66.91	63.63	45.24	33.43	29.22	47.32	96	-20	116	68	February 5,	July 8,	October 12,	November 12,
1837	28.85	25.44	34.86	44.37	57.75	71.68	73.56	74.33	67.37	48.15	36.60	35.30	49.82	97	-13	110	71	January 3,	July 23,	October 14,	November 19,
1838	30.09	35.11	41.81	50.07	57.57	61.29	76.83	71.56	61.83	50.53	36.73	25.66	50.17	94	-4	90	60	January 13,	July 27,	September 23,	November 11,
1839	32.47	21.61	27.08	47.83	55.62	69.42	72.59	71.95	66.25	50.02	38.17	32.03	49.03	98	-8	106	69	February 17,	September 21,	December 7,	December 7,
1840	19.96	28.42	38.25	56.39	61.78	68.09	70.04	70.99	62.34	52.58	40.08	30.53	50.27	92	-12	104	76	January 28,	August 17,	October 2,	November 28,
1841	29.71	30.06	40.98	48.90	58.21	66.07	73.62	71.29	64.73	54.89	43.63	33.61	50.12	101	-4	106	72	February 2,	July 13,	October 16,	November 30,
1842	25.37	24.00	28.36	52.80	61.28	67.57	72.25	71.11	70.00	62.26	44.41	29.61	51.15	100	-8	108	75	February 26,	July 10,	October 4,	November 25,
1843	25.61	27.38	38.20	46.71	59.69	65.93	73.74	70.58	62.65	51.14	45.20	35.09	49.30	95	-2	96	81	February 26,	July 19,	October 12,	December 17,
1849	23.49	20.93	37.64	46.16	56.64	70.99	6.48	72.67	64.12	50.91	47.00	29.19	49.68	102	-10	112	79	January 11,	July 13,	September 10,	December 8,
Mean.	26.67	26.40	36.25	50.12	58.83	68.19	73.87	72.10	63.92	55.95	41.33	31.00	50.61								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1829	38	32	6,5	26,5	58	84,5	23,5	96	S 85° 35' W	28	103,71	245	120	44	14	7
1830	46,5	50,5	2,5	26	57,5	94,5	11,5	76	S 84 54 W	21	74,90	234	131	62,5	8,5	6,5
1831	67	19,5	4,5	34,5	97	64	27	51,5	S 53 9 W	22	82,45	246,5	118,5	52,5	9,5	3
1832	96	20	16	49,5	107,5	34,5	21	21,5	S 6 48 E	11	41,43	215	151	61	13	4,5
1833	40,5	47,5	11	137	33,5	37,5	8,5	49,5	S 56 13 E	24	85,95	191	174	63,5	16	3
1834	32	51,5	2	156,5	17	34,5	6,5	65	S 62 27 E	22	83,35	211,5	153,5	55	13,5	3,5
1835	37	35,5	3,5	145,5	35,5	43,5	10	54,5	S 37 18 E	24	86,12	237	128	36	17,5	1
1836	38,5	66	3,5	153,5	19	38,5	4,5	42,5	S 68 0 E	29	105,62	219,5	146,5	60	18	3
1841	103	24	9,5	17	117,5	44	22,5	27,5	S 58 27 W	11	40,56	199	166	72	26	8
1842	72,5	45,5	4	20	111	69,5	23	19,5	S 32 32 W	18	66,23	211,5	153,5	76	14	8
1843	75	44,5	5,5	33,5	56	60	38	52,5	N 68 59 W	16	59,88	211	154	75	20	8
1844	89,5	20	7,5	4,5	70,5	44	59	62	N 63 58 W	31	111,78	233	133	74	14	3
1845	85,5	37,5	18,5	71	11,5	71	55,5	14,5	N 43 39 W	39	14,33	208,5	156,5	78	21	5
1846	105	47,5	12,5	8,5	44	75,5	63,5	8,5	N 59 48 W	22	81,91	164,5	200,5	70	13	1
1847	94	53	7	29,5	47	76	39	39,5	N 71 11 W	20	73,41	186,5	178,5	38,5	6	2,5
1849	94,5	63	8	15,5	47	93,5	12	31,5	N 44 42 W	14	51,87	80,5	284,5	66	15	5
Mean.	71,56	40,40	7,62	58,03	58,09	60,31	26,56	44,50	S 62° 52' W	7.	26,33	205,87	159,31			
Total.	1145	646,5	122	928,5	929,5	965	425	712				3294	2549			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1830	2.46	2.13	4.85	2.07	5.32	4.24	5.85	1.50	1.46	3.61	7.00	5.85	46.34	September.	November.
1831	2.50	3.60	3.50	5.85	3.40	4.22	3.81	8.67	4.48	6.98	2.45	1.27	49.63	December.	August.
1832	4.88	3.22	4.12	3.20	3.27	3.82	4.38	3.26	3.80	3.73	3.63	3.46	47.39	June.	August.
1833	2.62	1.68	2.18	1.75	4.03	4.62	3.26	4.45	2.52	5.64	2.88	2.04	40.52	February.	October.
1835	8.55	1.23	2.74	5.03	1.66	2.91	2.99	1.47	1.89	1.50	2.19	2.78	58.98	September.	April.
1836	6.14	2.02	.87	2.28	1.26	4.73	4.81	1.54	1.49	2.67	2.07	4.50	34.48	March.	January.
1841	4.47	.75	1.73	3.64	1.47	3.03	.94	4.15	1.47	2.07	3.02	2.51	29.65	February.	January.
1842	1.37	3.00	2.71	4.25	2.62	3.98	5.60	4.13	3.75	1.05	3.05	2.60	38.11	October.	July.
1843	2.13	1.05	3.08	2.92	1.37	4.74	2.45	8.25	4.62	8.20	3.50	.96	43.30	December.	October.
1844	3.93	1.15	4.23	1.05	5.05	4.55	8.45	2.45	2.45	4.53	1.51	3.86	43.21	April.	July.
1845	4.45	2.46	3.54	2.58	1.14	2.10	2.36	2.76	3.00	2.26	5.15	2.65	34.45	May.	November.
1846	2.20	1.41	2.83	1.57	5.16	2.16	4.20	4.09	.20	2.41	6.67	3.11	35.74	September.	November.
1847	3.30	3.50	2.10	.92	3.22	3.67	1.92	2.35	3.23	1.92	.89	6.46	31.38	November.	December.
1849	.45	1.42	2.71	.96	6.36	1.24	.49	3.39	.83	5.58	3.33	1.91	28.67	January.	May.
Mean.	3.20	2.07	2.94	2.72	3.24	3.36	3.63	4.10	2.44	3.58	3.38	3.14	35.19		
Total.	44.55	29.02	41.14	38.07	45.38	47.05	51.51	57.46	34.19	54.34	47.36	43.95	533.85		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1829	7	3	8	5	30	16	29	2	29	10	7	25	8	1	8	27	2	27	3	21	18	24	7	4
1830	2	31	20	7	30	2	30	13	5	17	17	21	20	1	23	26	1	29	1	26	1	30	31	22
1831	4	21	16	7	31	17	15	9	30	9	2	23	19	10	21	28	11	30	3	28	11	30	1	22
1832	19	27	12	24	25	18	26	8	13	24	16	5	2	13	15	25	20	13	20	28	5	15	8	22
1833	5	19	18	1	21	2	29	15	18	4	22	25	22	3	13	29	5	22	17	29	11	30	5	14
1834	18	24	28	7	20	22	15	25	21	15	9	5	8	30	12	28	4	29	2	26	10	15	7	26
1835	26	4	22	8	16	1	9	17	20	22	10	22	13	2	13	4	6	30	19	9	4	30	26	16
1836	13	28	24	5	28	2	26	6	3	30	18	21	8	26	1	10	19	29	2	31	12	25	10	28
1841	7	4	26	11	27	16	25	12	29	8	30	18	23	3	21	22	3	30	31	25	1	30	31	21
1842	20	13	4	17	4	12	22	5	18	20	19	11	30	15	23	1	11	27	8	4	1	30	22	24
1843	21	4	11	17	28	4	28	2	15	3	23	1	1	20	30	6	21	28	21	31	24	27	21	13
1844	24	28	22	1	24	6	14	16	25	22	27	12	24	5	17	13	21	28	9	21	7	30	7	29
1845	4	19	21	2	31	16	24	8	12	16	9	30	13	1	8	30	3	24	11	23	1	28	9	12
1846	25	18	5	26	20	1	21	13	25	11	18	22	10	17	5	26	7	28	8	18	3	25	3	16
1847	1	13	9	26	8	3	22	1	29	7	28	15	19	15	13	28	4	16	5	27	3	30	13	27
1849	26	11	28	18	31	3	25	15	21	6	22	12	13	2	5	31	17	27	16	31	5	1	20	25

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1829	56		46	— 6	64	16	84	28	92	32	90	48	90	50	91	50	94	36	78	26	60	20	68	12
1830	58	— 6	61	— 10	70	15	87	32	82	42	92	48	100	50	93	50	86	32	82	28	70	28	60	— 9
1831	56	— 10	46	— 12	66	18	74	28	94	32	96	50	90	61	92	48	88	38	80	31	63	26	34	— 5
1832	52	— 4	48	— 5	66	9	86	24	82	36	92	44	99	50	90	42	84	39	76	31	62	13	46	8
1833	65	— 1	48	— 7	66	— 2	88	28	88	36	87	38	99	50	89	42	88	34	76	26	64	18	42	13
1834	49	— 2	53	— 3	69	17	90	18	89	38	94	44	101	50	96	43	89	28	80	23	57	20	50	— 4
1835	50	— 30	47	— 1	61	5	76	24	91	39	96	42	94	47	91	42	91	36	78	31	70	13	43	— 22
1836	43	— 11	48	— 20	58	— 4	79	18	89	32	93	43	96	51	88	42	92	32	73	20	66	19	49	— 3
1841	49	— 12	52	— 13	78	7	68	24	87	33	94	44	97	46	90	46	87	44	72	24	69	4	49	3
1842	52	4	56	10	76	16	78	24	82	34	87	41	94	54	90	48	86	38	74	30	62	15	46	7
1843	55	— 3	46	— 8	46	6	74	25	88	34	90	30	96	52	95	53	98	29	86	28	70	12	58	4
1844	43	— 12	57	— 6	57	14	88	16	86	33	90	40	91	48	92	36	92	36	73	26	62	14	57	— 1
1845	48	5	65	— 2	77	16	84	28	92	32	98	40	102	46	98	49	85	35	88	16	74	14	50	— 4
1846	56	— 7	48	— 8	64	4	85	28	92	38	89	36	100	46	98	48	100	34	95	20	59	20	50	0
1847	60	3	48	— 2	61	4	83	2	90	36	95	45	98	47	92	47	92	33	77	20	76	6	61	5
1849	53	— 8	48	— 10	66	12	70	25	86	36	102	44	105	55	95	46	89	40	72	32	70	22	42	2
Highest.	65		65		78		90		94		102		105		98		100		95		76		68	
Lowest.		— 30		— 20	— 4		2		34		30		46		36			— 28		16		4		— 22
Range.		95		85		82		88		60		72		59		62		72		79		72		90

SUMMARY OF OBSERVATIONS AT ERASMUS HALL,

FLATBUSH, KINGS COUNTY, N. Y., DURING 24 YEARS.

Latitude N. 40° 37'; Longitude W. 73° 58'. Elevation above tide, 40 feet. "On an inclined plane gradually descending to the ocean, near the western extremity of Long Island."

OBSERVERS.

1826, J. C. KIDDER.
1827, '8, JONATHAN B. KIDDER.
1829, J. W. KELLOGG and J. B. KIDDER.
1830, J. W. KELLOGG, Principal, and WM. ALLGEO.
1831, '2, '3, J. W. KELLOGG, Principal.
1834, WM. H. CAMPBELL, Principal, and J. W. KELLOGG.

1835, WM. H. CAMPBELL, Principal.
1836, Rev. THOMAS M. STRONG and WM. H. CAMPBELL, Principals.
1837, WM. H. CAMPBELL, Principal, and Rev. T. M. STRONG, Trustee.
1838, Rev. T. M. STRONG, Trustee, and WILLIAM H. CAMPBELL, Principal.
1839 to 1849, inclusive, Rev. THOMAS M. STRONG, Trustee.

JANUARY.																			
THERMOMETER.						WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
YEARS.	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	40,37	29,12	61	5	56	3,5	2		,5		7,5	9	8,5	18	13				,47
1827	28,99	25,24	50	0	50	5,5	7,5				3	7	8	14	17	4	1	1	2,45
1828	41,12	32,38	55	9	46	4,5	5,5		,5	,5	5	6	9	13,5	17,5	4,5			3,02
1829	27,74	32,79	49	2	47	3,5	7,5	,5	1,5	1	6	4	7	14	17	4	3		4,48
1830	30,40	27,40	48	2	46	,5	5		1		9	1,5	14	15	16	3	7	1	2,87
1831	32,19	22,64	64	6	58	3	4,5		3		1,5	3	16	19	12	2	5	1	4,72
1832	31,35	29,99	59	-2	61	2	4,5				8,5	6	10	22	9	2	1,5		5,55
1833	38,49	33,40	63	12	51	2,5	4	1	1	3,5	8	3,5	7,5	15,5	15,5	1,5	1,5	,5	3,18
1834	27,80	30,75	57	7	50	1,5	6,5	,5	,5	,5	5,5	4,5	11,5	17	14	4	1,5		2,22
1835	21,49	40,38	53	-6	59	8,5	3	,5	3		3	5	8	25	6	2,5			2,65
1836	33,36	22,97	43	5	38	3	7				,5	7	13,5	16,5	14,5	3	4,5	,5	7,51
1837	23,69	27,67	43	5	38	1,5	3,5		,5		2	3,5	19	21	10	1			1,84
1838	37,49	34,05	60	12	48	2,5	3		2	3,5	9	3,5	7,5	21,5	9,5	4			2,22
1839	34,61	27,75	61	4	57	2	8,5		1		7,5	2	10	18	13	1,5	1,5		1,82
1840	23,78	24,14	43	3	40	2	4		1,5		4,5	4	15	20	11	1	2	,5	2,00
1841	32,39	34,05	50	5	45	2,5	8,5	,5	2	1,5	3,5	6,5	6	12	19	10	4	1	6,70
1842	34,04	37,18	55	13	42		4,5		,5	1,5	13,5	5,5	5,5	22,5	8,5	4	4		1,34
1843	37,83	39,73	60	14	46	3,5	5,5	,5	3,5	1,5	4	3,5	9	16	15	4	1	1	1,13
1844	30,49	23,00	48	5	43	1	6,5	,5	1,5		3,5	3,5	14,5	17	14	5	4		3,66
1845	36,36	33,75	49	14	35	2	5		1,5	1	4	3,5	14	16,5	14,5	5	4	1	3,84
1846	37,11	29,28	52	8	44	1,5	4,5	1	1	,5	5,5	4,5	12,5	17,5	13,5	3	3	1	4,16
1847	35,50	30,08	62	12	50	2	2,5	,5	4		6	6,5	9,5	19	12	4	2	1	3,54
1848	34,10	37,18	52	5	47	2	4,5	1	3	1,5	3,5	2,5	13	17,5	13,5	4	1		1,80
1849	23,30	32,98	57	1	56	,5	2		1,5		7	3	17	20	11	5			,55
Mean.	32,25	30,74				2,54	4,98	27	1,43	,69	5,50	4,53	11,06	17,83	13,17				3,07
Total.						61	119,5	6,5	34,5	16,51	132	108,5	265,5	428	316				73,72

OBSERVATIONS AT ERASMUS HALL.

97

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	33,30	33,29	56	3	53	3,5	5		12	1	3,5	7	6	12,5	15,5	7	4		2,08
1827	31,59	39,10	55	8	47	2,5	6		12		3,5	4,5	9,5	16	12	4	2	2	4,50
1828	42,26	40,31	63	20	43	1,5	5,5		1	1	10	3,5	7,5	14	15	4		,5	3,25
1829	26,32	25,55	42	4	38	1,5	5		,5	,5	1,5	5,5	13,5	18	10	1	4	1	5,64
1830	23,26	38,40	58	4	54	2,5	4,5		1,5		5,5	1	13	18,5	9,5	4	4		2,07
1831	22,00	32,00	50	8	42	,5	1		,5		5	4,5	16,5	22,5	5,5	2	2	1	3,46
1832	33,05	32,55	59	9	50	3	5,5		1		7,5	4	8	11,5	17,5	1,5	1,5		2,76
1833	29,30	34,45	54	10	44	2,5	3	,5	1	1	5	2	13	18	10	1	1		1,00
1834	35,51	43,14	59	14	45	1	8,5		1		10	3	4,5	16	12	1,5	,5		2,37
1835	23,48	33,03	54	2	52		7		,5		5	3,5	12	17	11	2	3		1,29
1836	19,11	24,99	45	4	49	3	8,5				,5	5	12	16,5	12,5	2	4		4,06
1837	28,44	31,49	41	4	37	1	5	1	,5	1	4	4	11,5	17	11	1,5		,5	2,83
1838	27,67	19,34	53	9	44	,5	2,5		1	,5	3	5,5	15	20,5	7,5	1	3	1	1,50
1839	27,80	38,49	53	10	43	5,5	6,5	,5	1		4,5	4,5	5,5	16	12	2	1	,5	2,52
1840	29,95	42,58	59	1	58	1	5	,5	3	,5	7,5	2,5	9	16	13	3	1,5		2,84
1841	27,30	33,67	53	15	48	5	4			,5	3	8	7,5	20	8	1	1	2	1,53
1842	41,77	35,96	64	13	51		3,5	,5	1,5		10,5	4,5	7,5	18	10	9	1		4,13
1843	26,58	27,45	46	9	37	,5	8,5				4,5	7,5	7	13,5	14,5	1	8		2,79
1844	29,21	35,80	52	10	42	3	7	,5	,5	,5	5,5	5	7	17,5	11,5	3	4		1,50
1845	22,72	42,59	58	7	51	1	5	1	1	,5	3	3	13,5	18	10	1	3		4,45
1846	32,60	25,49	48	6	42	3	6,5	,5	,5		3	6	8,5	17	11	1	6	1	3,56
1847	33,03	30,86	49	12	37	,5	9	1	1,5		3	4	9	13	15	3	8	1	5,41
1848	28,82	35,86	52	11	41	5	3,5	2,5	,5		2,5	3	12	21	8	1	3	1	1,51
1849	27,01	26,03	46	3	43	4	8		1,5	,5	2,5	3	8,5	15	13	2	6	3	2,23
Mean.	29,29	33,43				2,06	5,56	,35	1,02	,31	4,73	4,33	9,88	16,79	11,46				2,88
Total.						49,5	133,5	8,5	24,5	7,5	113,5	104	237	403	275				69,28

MARCH.

1826	43,05	38,90	71	21	50	6	9,5		3	1,5	3,5	1	6,5	12,5	18,5	15	1		3,66
1827	38,44	43,66	70	20	50	1,5	4	,5	1,5	1	8	2,5	12	20,5	10,5	6	1		2,05
1828	39,55	44,71	72	18	54	5	6,5	,5	6	2,5	4,5	1,5	4,5	16	15	3	1	,5	4,50
1829	35,58	36,93	59	19	40	2	4		1	1,5	5	4,5	13	20	11	2	2		4,17
1830	37,14	44,55	68	20	48	3,5	3		3,5	3	5	3	10	15,5	15,5	8	2	1	8,08
1831	42,41	43,92	66	24	42	,5	2		,5	1	12,5	3	11,5	22	9	7	1		4,29
1832	41,95	39,10	64	14	50		1,5		1	2	15,5	,5	10,5	23	8	3			,83
1833	29,07	42,93	66	4	62	1	3,5		3	1,5	7	3,5	11,5	22,5	8,5	,5	1,5		3,30
1834	42,13	41,68	64	20	44	,5		,5	4,5	1	15	,5	9	23,5	7,5	1,5	,5	1	1,62
1835	31,48	42,35	61	4	57	2,5	5		1,5	,5	7	1	13,5	24,5	6,5	2,5	1,5	,5	4,71
1836	30,52	34,51	49	12	37	1,5	5,5		1,5	,5	7	4,5	10,5	21	10	1	1		2,50
1837	32,67	40,07	54	9	45	3	5	3	3,5	3	4,5	2	7	21	10	3,5			5,92
1838	37,78	41,49	63	17	46	5,5	6,5	1	4		2	4,5	7,5	18,5	12,5	2,5	1	1,5	3,42
1839	35,79	43,42	66	11	55	3,5	4	,5	2,5	1	8	2,5	9	24	7	2	1	,5	1,88
1840	41,08	40,92	68	18	50	1	4,5	2,5	4	2	6	3,5	7	16	15	3,5		1	2,56
1841	35,80	42,41	66	20	46	2,5	7	1	,5	2	4	4,5	7,5	17,5	13,5	5	4	2	4,77
1842	46,14	45,23	70	22	48	1	6,5	,5	2	1	9	3	8	16	15	8	1	1	2,08
1843	29,82	31,66	48	15	33		4,5	1	,5	,5	3,5	7,5	13,5	20	11	4	5	1	4,59
1844	44,22	40,19	65	22	43	3,5	7	1	2	4	4,5	3,5	5,5	15,5	15,5	11	3		4,37
1845	43,32	43,42	72	25	47	1,5	4	,5	2,5	3	7	6	6,5	17	14	5	4	2	2,50
1846	36,87	45,01	63	16	47	2,5	4,5		4,5	2	6	2	9,5	20	11	5		1	2,78
1847	35,52	38,27	56	21	35	1	7	,5	,5	4,5	2	7	8,5	16	15	5	2	3	5,13
1848	32,41	43,60	66	12	54	1,5	7,5		2	1,5	4,5	3	11	19,5	11,5	5	1	1	2,12
1849	35,72	44,34	68	23	45	3,5	8,5	1,5	2,5	3,5	2	,5	9	17	14	10	2	2	5,07
Mean.	37,43	41,38				2,30	5,04	,61	2,43	1,83	6,38	3,16	9,25	19,12	11,88				3,62
Total.						55	121	14,5	58	44	153	75,5	222	459	285				86,90

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	44,54	50,17	62	30	32	3	3,5	,5	5	3	5	,5	9,5	15,5	14,5	6	2		2,03
1827	55,07	49,27	78	32	46	3	3,5	1	5,5	2	6	2,5	6,5	17	13	7			5,65
1828	41,94	49,21	65	32	33	3,5	6,5	1,5	2,5	1,5	3	2	9,5	17	13	2,5	1,5	1	4,33
1829	45,83	51,54	78	34	44	4	3		5	4	4,5	3,5	6	21	9	9			5,36
1830	46,79	55,14	82	36	46	1,5	10,5	2,5	3	5	2,5	,5	4,5	20,5	9,5	11			3,30
1831	47,88	51,56	73	32	41	1,5	4		4,5	2,5	8,5	1	8	15	15	10	1		5,98
1832	45,24	46,96	77	25	52		5,5	2,5	1,5		9,5	1,5	9,5	19	11	5,5			3,40
1833	51,11	52,60	84	31	53	3,5	2	1	5	4,5	8,5	,5	5	24,5	5,5	1			1,87
1834	49,25	50,18	76	30	46	2,5	10	,5	5	,5	4,5	,5	6	15	15	2,5	1		3,21
1835	46,36	44,77	71	27	44	,5	4,5	1,5	3	2,5	7	1	10	17	13	3,5	,5		6,22
1836	41,99	50,43	73	24	49	3	3		9	3	4	1	7	20	10	3	,5		4,01
1837	47,65	47,85	70	31	39	2	1,5		2,5	2	6,5	3,5	12	21,5	8,5	,5		,5	3,23
1838	43,14	44,38	69	24	45	1	4	1	3	2	5,5	3,5	10	18,5	11,5	4	1,5		3,07
1839	49,71	53,23	80	30	50	3,5	7,5	,5	3	4	5	2	4,5	21	9	2,5		,5	3,64
1840	46,96	56,48	75	29	46	2,5	2	,5	6,5	9	2	2	5,5	21	9	3,5			4,95
1841	43,55	49,44	62	30	32	1,5	9,5	1,5	2	3	3,5	2	7	12	18	12	4	1	6,77
1842	48,72	51,93	73	29	44	2	7,5	1	5,5	1	6,5	4	2,5	16	14	12			4,58
1843	44,22	53,29	70	28	42	1,5	7	1,5	4	2,5	4	,5	9	13,5	16,5	12			5,21
1844	53,09	54,64	80	26	54	1	8,5	1,5	5,5	3	7,5	1,5	1,5	16	14	8			,53
1845	48,64	52,39	74	30	44	1	7	1,5	3,5	4,5	3,5	2	7	18	12	6	1		1,04
1846	46,84	55,47	81	31	50	2	4,5	1	4,5	6	7	1	4	19	11	4	1		3,01
1847	46,55	50,47	78	24	54	1	3,5	1		5,5	11	1,5	6,5	20,5	9,5	4	1		,82
1848	50,50	52,08	72	31	41	,5	3,5	,5	5,5	2,5	5,5	,5	11,5	21	9	3	1	1	,89
1849	48,29	47,52	66	25	41	2	2,5	2,5	4	4	1,5	3	10,5	21	9	5			,80
Mean.	47,24	50,87				1,98	5,19	1,04	4,11	3,23	5,50	1,73	7,21	18,33	11,67				3,49
Total.						47,5	124,5	25	98,5	77,5	132	41,5	173	440,5	279,5				83,90
MAY.																			
1826	69,72	72,66	92	50	42											3			,06
1827	53,76	63,78	81	38	43	3	3,5		3,5	1,5	13	,5	6	20,5	10,5	6			3,45
1828	57,42	60,34	80	42	38	1,5	3,5	,5	8,5	2,5	7	1,5	6	18	13	4,5			4,80
1829	53,42	66,54	85	43	42	5	3		4,5	8	4,5	1	5	21,5	9,5	5			3,98
1830	58,08	59,12	77	42	35		3	1	7	6	5,5	,5	8	19,5	11,5	10			3,77
1831	54,65	65,32	92	39	53		4	,5	3,5	2	12,5	2	6,5	17,5	13,5	7			2,36
1832	56,48	55,23	79	40	39	2	4,5		4,5	1	11,5	1,5	6	19,5	11,5	4			4,65
1833	60,42	63,09	84	40	44	2	2	2	8	5	8,5		3,5	18	13	2,5			5,70
1834	52,32	60,29	78	31	47	4,5	6	1,5	4,5	3	3,5	1,5	6,5	21	10	5			4,88
1835	52,13	61,77	85	41	44	1	6,5	1	2	2,5	9,5		8,5	21,5	9,5	4,5			1,76
1836	56,78	59,56	84	38	46	1,5	9		5,5	5	6,5	,5	3	21	10	3			1,38
1837	54,14	58,05	76	28	48	1,5	4	1,5	9	4	4	1,5	5,5	19	12	2			4,29
1838	51,65	59,66	74	37	37	1	4,5	,5	5	6	6	4,5	3,5	19,5	11,5	6,5			4,54
1839	55,73	62,39	81	40	41	2	5	1	5,5	6	4,5	2,5	4,5	19	12	4,5			5,74
1840	54,55	62,88	82	38	44	,5	4,5	2	5	4,5	9	,5	5	23	8	4			2,82
1841	50,61	61,38	78	34	44	1,5	3		4	6,5	6,5	2,5	7	19,5	11,5	10			3,01
1842	54,33	54,66	78	41	37	1	3,5	1	5	4,5	9	,5	6,5	16,5	14,5	13			4,63
1843	56,01	59,07	79	40	39	1	6	2	6,5	2,5	6,5	2,5	4	17	14	4			1,59
1844	61,35	63,74	80	40	40	,5	2		5,5	4	12,5	2,5	4	17	14	12			3,83
1845	61,33	56,74	86	40	46	2,5	3		1,5	6	9	2	7	18	13	6			1,55
1846	58,57	61,59	82	43	39	2,5	8,5	1	6	4	5	2	2	14,5	16,5	11			7,18
1847	55,72	60,08	82	39	43	2	12	2	5	4	3,5	1	1,5	18	13	6			1,69
1848	58,98	65,35	82	40	42	,5	4,5	,5	7	4,5	7,5	2	4,5	15,5	15,5	11			5,27
1849	52,88	58,95	82	38	44	1	10	1,5	4,5	4,5	6	1,5	2	17	14	9			3,76
Mean.	56,30	61,34				1,65	5,03	,84	5,29	4,24	7,44	1,47	5,04	18,76	12,24				3,61
Total.						98	115,5	19,5	121	97,5	171	34,5	116	431,5	281,5				86,69

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1826	75,77	68,86	91	58	33	2,5	4,5	1,5	8	1	6,5	3	3	14	16	10			8,40
1827	64,47	67,14	86	45	41	3	1,5		3	2,5	12,5	2,5	,5	22	8	7			3,68
1828	67,82	72,43	84	57	27	1	1,5		4	8	9,5	2	4	18	12	2			2,55
1829	66,75	66,16	85	54	31	2	2,5	1	7,5	5,5	3	1,5	7	21	9	9			3,38
1830	66,21	68,49	84	52	32		3	1	2,5	3,5	7,5	4,5	8	19	11	14			4,68
1831	72,42	71,18	94	52	42		3,5	,5	3,5	6	12,5	1,5	2,5	22	8	5			1,48
1832	62,30	70,85	88	50	38	,5	3	,5	3,5	3,5	11,5	3	4,5	24,5	5,5	1,5			,97
1833	64,14	66,37	83	44	39	,5	4	,5	3	4,5	7	2	8,5	22	8	4			4,97
1834	63,99	65,84	89	44	45	2	3	1	2,5	2,5	7,5	1	10,5	21,5	8,5	4			7,25
1835	67,00	64,12	84	46	38		2,5	,5	3	,5	15	2	6,5	20	10	4,5			3,25
1836	62,80	63,57	87	47	40		15,5	,5	3,5	1,5	4	1,5	3,5	14,5	15,5	5			8,55
1837	64,40	66,17	84	52	32	1,5	3	2	2	7	6,5	2,5	5,5	15	15	2,5			3,45
1838	70,93	70,62	89	55	34		4		5,5	6,5	8	2,5	3,5	21,5	8,5	4,5			4,90
1839	62,20	66,29	82	40	42	,5	3,5	,5	5,5	3	7	3	7	19	11	4			4,84
1840	65,85	68,59	84	52	32	1,5	4	1,5	4,5	4	6,5	1,5	6,5	20,5	9,5	5,5			1,90
1841	68,33	70,56	91	49	42	,5	3,5	1,5	4,5	6,5	7,5	2,5	3,5	18,5	11,5	9			4,56
1842	59,65	68,97	80	42	38	1,5	3	,5	8	5,5	7	1,5	3	16,5	13,5	9			3,25
1843	64,58	71,56	89	39	50	1	1,5	,5	2	6,5	12	1,5	5	22	8	2			1,75
1844	62,49	70,84	85	40	35	,5	3,5	1	3	7	9	2,5	3,5	22	8	4			3,48
1845	70,43	67,26	93	48	45	,5	3		4	5,5	7,5	5	4,5	21,5	8,5	6			3,36
1846	67,48	66,36	84	51	33	1	5	1,5	7	2,5	6,5	2	4,5	11,5	18,5	6			1,12
1847	64,51	69,87	90	49	41	2,5	3	,5	2,5	5,5	6	4,5	5,5	20,5	9,5	9			5,51
1848	61,62	74,67	94	51	43	2	2,5	1	2,5	3	7	3	9	21	9	7			5,19
1849	64,65	75,26	94	50	44	1	3		7,5	6,5	4,5	2,5	5	21,5	8,5	5			,77
Mean.	65,99	68,87				1,06	3,63	,73	4,25	4,50	7,99	2,47	5,37	9,54	10,46				3,88
Total.						25,5	87	17,5	102,5	108	191,5	59	129	469,5	250,5				93,24
JULY.																			
1826	76,97	74,12	89	63	26	4,5	2			3,5	12,5	3	5,5	25,5	5,5	8			3,77
1827	74,03	70,18	94	57	37	4	1		1,5	2,5	8,5	3,5	10	24	7	8			3,58
1828	69,41	74,35	91	59	32	3	1,5		1,5	4,5	11	5	4,5	21	10	4,5			3,73
1829	67,29	71,95	87	53	34	3	3,5	,5	1,5	5,5	12,5	2	2,5	21,5	9,5	9			2,35
1830	72,37	78,16	93	57	36	1	4	1	3	5,5	7	2	7,5	20	11	9			5,49
1831	70,88	75,32	90	53	37	2			2	2,5	17,5	3	4	21,5	9,5	7			6,17
1832	70,10	70,32	88	58	30		2,5		3	,5	16	2	7	23,5	7,5	2,5			5,31
1833	71,15	71,54	91	56	35	3	1,5		1,5	3	11,5	3	7,5	24,5	6,5	2			3,03
1834	73,16	73,22	92	56	36	1	5,5	,5	1,5	1,5	14	,5	6,5	24	7	3			4,54
1835	71,75	71,07	87	53	34		1		3,5	,5	17,5	1	7,5	22,5	8,5	5,5			5,13
1836	73,45	70,83	85	56	29	2	10		3	5,5	6	2,5	2	22,5	8,5	1,5			2,50
1837	68,41	70,61	85	56	29	,5	2	1	3,5	4	7,5	3	9,5	23	8	1,5			2,98
1838	78,44	76,58	95	63	32	2	2,5		2,5	9	7	2,5	5,5	26	5	2,5			2,19
1839	71,69	75,21	86	57	29	2,5	1		3	9	10	1	4,5	23	8	3			2,75
1840	70,80	73,71	88	57	31	,5	4	1	1,5	8	4,5	4,5	7	20,5	10,5	3,5			1,10
1841	71,60	72,18	88	55	33	2	2	1	2,5	6	9	1	7,5	20	5	7			2,85
1842	70,97	73,54	89	57	32	1	5,5		6,5	4,5	11,5	1	1	18	13	12			6,71
1843	71,18	74,39	92	59	33	1,5	5	,5	3	5	7	3	6	19,5	11,5	10			1,96
1844	72,07	70,32	85	53	32	3,5	4	,5	3	7	8		5	21	10	8			5,42
1845	75,49	75,25	95	53	42	1,5	1,5		1	5	8,5	6	7,5	24,5	6,5	7			1,67
1846	75,30	71,02	92	57	35	,5	5,5	1	5,5	3,5	6	2	7	18	13	13			5,75
1847	73,92	74,26	89	53	36	,5	5,5	1,5	6	4	10	1	2,5	23	8	7			2,58
1848	70,00	74,12	85	58	27		4,5	1,5	4,5	5,5	9,5	,5	5	19,5	11,5	6			3,00
1849	72,77	73,06	96	53	43	2,5	6		7,5	6	5,5	2	1,5	21	10	4			2,15
Mean.	72,24	73,63				1,75	3,39	,42	3,00	4,64	9,92	2,29	5,59	22,23	8,77				3,63
Total.						42	81,5	10	72	111,5	238	55	134	533,5	210,5				87,31

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1826	71,28	72,70	89	58	31	4,5	10,5	1	6,5	1	3	1	3,5	16,5	14,5	11			7,95
1827	74,48	66,55	96	52	44	2,5	4	1	3	2,5	11	1,5	5,5	19	12	7			5,47
1828	72,69	74,21	91	62	29	1,5	4,5	,5	1,5	3,5	11	3	5,5	26,5	4,5	,5			1,97
1829	72,95	68,35	87	56	31	3	4		1,5	7,5	8,5	,5	6	21,5	9,5	9			4,84
1830	71,77	69,56	86	56	30	4	2		4	5,5	8	,5	7	23,5	7,5	10			2,49
1831	74,68	74,42	89	50	39	,5	1	2,5	1,5	,5	13	3	9	18	13	8			2,55
1832	73,44	67,54	84	50	34	1,5	2	1	1,5	3	15,5	2	4,5	17,5	13,5	1,5			5,91
1833	70,98	71,68	84	48	36	7,5	1,5		4	3	9	1	5	23	8	1			3,68
1834	75,50	67,03	91	51	40	2	6		1,5	2	10,5	1,5	7,5	26,5	4,5	1			,90
1835	68,33	68,70	84	52	32	1	3,5	,5	1	1,5	13,5		10	22,5	8,5	5,5			2,84
1836	67,59	66,25	82	50	32	3,5	3,5	1,5	2,5	5,5	6,5	2	6	22,5	8,5	1,5			2,31
1837	70,24	68,39	87	53	34	1,5	4	1,5	3,5	4	7	1,5	8	22,5	8,5	2			3,15
1838	76,13	73,25	93	60	33	1,5	3,5	,5	3	8	4,5	2,5	7,5	25,5	5,5	2			1,74
1839	70,29	68,68	83	50	33	1,5	8	1	3	4,5	5,5	3,5	4	18,5	2,5	5,5			3,91
1840	71,47	72,56	85	58	27		3	,5	4,5	4,5	12,5	,5	5,5	21,5	9,5	4			3,71
1841	72,50	72,36	84	58	26	2,5	4,5	1,5	6	6	10		,5	19,5	11,5	13			5,50
1842	67,50	72,44	87	54	33	1	7	1,5	10,5	1,5	5,5	1	3	16	15	11			5,86
1843	71,43	74,06	85	61	24	2	8,5	,5	3	3,5	6,5	1,5	5,5	18,5	12,5	8			15,76
1844	72,19	70,12	86	55	31	1	3	3	3,5	4,5	8	2,5	5,5	20,5	10,5	6			3,71
1845	75,04	73,80	86	63	23	1	4,5	1,5	7,5	6	6	1,5	3	17,5	13,5	6			3,27
1846	74,33	69,58	90	57	33	1,5	8		6,5	4,5	5,5	2,5	2,5	21,5	9,5	7			4,10
1847	72,93	71,37	82	56	26	2	7,5	1	3,5	5,5	8	1	2,5	20,5	10,5	5			2,40
1848	74,10	69,20	84	50	34	1,5	6		8	6,5	3,5	1,5	4	24,5	6,5	2			1,00
1849	71,88	72,43	82	58	24	3	2,5		9	3	5,5	3	5	22,5	8,5	8			3,99
Mean.	72,24	70,62				2,15	4,69	,85	4,17	4,06	8,23	1,60	5,25	21,08	9,92				3,54
Total.						51,5	112,5	20,5	100	975	197,5	38,5	126	506	238				85,99
SEPTEMBER.																			
1826	71,57	63,85	88	45	43	3	4,5	1	2	6,5	6,5	3	3,5	18	12	9			3,09
1827	67,66	60,57	84	46	38	3	10		2,5	,5	4	4	6	22,5	7,5	4			3,78
1828	66,39	62,55	92	49	43	2	7	2,5	2	2,5	7	2,5	4,5	19,5	10,5	4,5			6,85
1829	61,34	58,16	85	32	53	3,5	,5	1	,5	2	9,5	2,5	10,5	22	8	8			3,16
1830	67,24	59,70	81	41	40	5,5	4		7,5	3	2,5	1,5	6	20,5	9,5	4			1,33
1831	70,13	61,68	87	47	40	1,5	5		3	2	10,5	2	6	17	13	5			3,14
1832	62,68	64,22	80	43	37	1,5	,5		3	1,5	11,5	2,5	9,5	22,5	7,5	1			1,91
1833	64,36	65,06	86	44	42	2,5	3,5		2,5	1	11	1,5	8	23	7	1,5			2,94
1834	64,66	63,03	82	45	37	,5	4,5	,5	2	1,5	10,5	1,5	9	17	13	5,5			3,05
1835	63,93	56,27	81	40	41	3,5	4,5	,5	1,5	1,5	8,5	1	9	21	9	1,5			1,27
1836	64,46	64,00	85	40	45	1,5	6,5	3	3,5	2,5	7,5	2,5	3	16,5	13,5	1,5			1,66
1837	63,54	60,59	78	46	32	2	7	1,5	5	3,5	5	,5	5,5	23,5	6,5	1			1,76
1838	66,76	63,38	86	48	38	3	8	2	3	4,5	3	2	4,5	19	11	5			8,22
1839	66,43	63,23	82	42	40	2,5	2	,5	4	3	8	3	7	23	7	3			3,09
1840	64,21	58,87	77	45	32	1	3		3	4	7	3	9	21,5	8,5	4			1,84
1841	69,33	64,13	83	54	29	2,5	9	,5	6	3	4	1	4	19	11	5			1,73
1842	68,76	57,32	84	41	43	2	5,5		1,5	1,5	8	2,5	9	19,5	10,5	5			2,82
1843	65,91	67,05	88	40	48	1	9	2,5	2,5	2	6,5	2	4,5	18	12	6			2,78
1844	68,72	60,70	84	42	42	4,5	8	,5	4,5	3	4	1	4,5	24	6	3			3,75
1845	66,84	62,39	80	46	34	4	2	,5	5	3,5	3	5	7	22	8	5			2,65
1846	75,34	63,69	87	49	38	2	3,5	1	1	6	10,5	,5	5,5	21,5	8,5	1			,09
1847	68,66	59,85	82	49	33	3	7,5	1	3	4	4,5	4	3	16,5	13,5	9			10,65
1848	68,36	59,30	86	39	47	2,5	2		2,5	5,5	3	4,5	10	22	8	3			2,15
1849	65,33	64,12	84	51	33	2,5	7,5	1	4,5	,5	6	1,5	6,5	23	7	5			,98
Mean.	64,69	61,82				2,52	5,19	,81	3,15	2,85	6,73	2,29	6,46	20,50	9,50				3,11
Total.						60,5	124,5	19,5	75,5	68,5	161,5	55	155	492	228				74,69

OBSERVATIONS AT ERASMUS HALL.

101

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1826	57,72	52,39	75	30	45	4,5	4		2	2,5	6,5	3	8,5	20,5	10,5	5			8,54
1827	58,49	51,56	72	32	40	3	7	,5	,5	1,5	8	1	9,5	19	12	11			4,10
1828	55,29	50,82	75	28	47	2,5	3,5	,5	3,5	1,5	7	3	9,5	22,5	8,5	,5			,96
1829	53,29	50,89	70	34	36	,5	6,5	,5	4	5	4	,5	10	18,5	12,5	6			4,41
1830	57,13	53,43	74	39	35	5,5	5	,5	3,5	2,5	6	2,5	5,5	20	11	6			4,78
1831	57,41	54,95	78	37	41	2	3		3	3,5	7	1,5	11	23,5	7,5	6			4,47
1832	57,25	52,28	73	33	40	2	4	,5	2	1,5	14,5	1	5,5	18,5	12,5	2,5			3,06
1833	57,18	48,16	73	30	43	,5	4		2,5	2	4	4	14	17,5	13,5	4			8,52
1834	54,96	45,68	78	30	48		1		1	1	13,5	2,5	12	20	11	5			2,70
1835	53,07	55,94	71	35	36	1,5	3,5	3	3	4	11,5	,5	4	24	7	1			2,11
1836	49,90	44,66	73	28	45	2,5	5		1	2,5	6	6	8	23,5	7,5	1,5			2,74
1837	52,44	52,95	75	31	44	5,5	6,5	2	5,5	2	4	2	3,5	22,5	8,5	2			1,61
1838	55,84	45,72	74	31	43	3	3,5	,5	1	1	8,5	7,5	6	18	13	5,5			3,98
1839	57,30	53,52	74	31	43	2,5	7,5		3,5	3	10	1	3,5	21,5	9,5	1,5			1,99
1840	37,77	50,12	72	30	42	2	6	1,5	4	1,5	7,5	2,5	6	17	14	6			4,62
1841	51,93	47,48	66	32	34	5	3,5	,5	,5	1	8	3,5	9	22,5	8,5	5			4,50
1842	56,62	51,26	72	36	36	1,5	3		1,5	4	7	2,5	11,5	25	6	1			4,17
1843	56,33	49,87	72	37	35	2	1	2	2	,5	9,5	4	10	18	13	5	1		4,87
1844	52,13	51,92	70	36	34	1	6,5	1	5,5	2,5	2,5	8	4	16	15	8			4,22
1845	61,60	51,09	73	29	44	3	5	,5	4,5	2	6,5	4	5,5	21	10	4			1,92
1846	59,74	55,60	80	32	48	3	6	,5	2,5	2	9,5	2	5,5	22	9	6			1,72
1847	55,70	50,58	67	30	37	2,5	6,5	1,5	3	3,5	5	3	6	23,5	7,5	6			1,79
1848	55,80	54,29	71	40	31	3,5	4,5		4	3,5	3,5	3,5	8,5	18,5	12,5	7			4,09
1849	51,85	54,21	69	36	33	4,5	7,5	2	7	1	3	2,5	3,5	15,5	15,5	10			8,26
Mean.	54,86	51,22				2,65	4,73	,73	2,94	2,29	7,17	2,98	7,50	20,35	10,65				3,81
Total.						63,5	113,5	17,5	70,5	55	172,5	71,5	180	488,5	255,5				93,53
NOVEMBER.																			
1826	48,37	40,85	67	71	46	5	2,5		1,5	1	6,5	6	7,5	17	13	5	1		2,95
1827	43,53	36,43	69	22	47	5,5	3		1		2	7	11,5	17,5	12,5	6		1	6,05
1828	49,21	43,39	66	26	40	1,5	5	,5	1,5	2	6,5	3	10	13,5	16,5	6,5	,5		8,73
1829	43,12	45,52	58	22	36	1	6	,5	2	1	7	2	10,5	16,5	13,5	11	2	1	4,96
1830	52,54	48,38	64	38	26	,5	16,5		2	1	3,5	,5	6	10,5	19,5	12			6,69
1831	47,42	38,18	70	24	46	2	1,5		3		4	2	17,5	20	10	5	2	1	2,02
1832	47,76	46,19	66	24	42	,5	4	,5	,5		7,5	5,5	11,5	16	14	3			3,63
1833	45,50	40,11	66	24	42	2	3		2	1	8	2,5	11,5	20	10	3			2,37
1834	43,94	40,45	61	23	38	1	4,5			,5	8	2	14	20	10	6			3,83
1835	49,43	39,34	69	29	40	1	8		2		9		10	16,5	13,5	2	1		3,16
1836	43,83	36,94	64	25	39	1,5	3,5	1	4	,5	3,5	4,5	11,5	18	12	2			2,75
1837	45,61	42,71	68	20	48		3		,5		8,5	8	10	23,5	6,5		1,5		1,65
1838	45,79	34,06	60	14	46	1,5	4	,5	,5	3,5	5,5	5,5	9	16,5	13,5	4,5	1		3,91
1839	43,40	36,72	62	16	46	4,5	5	1	1,5	,5	4,5	4,5	8,5	19	11	2,5			3,88
1840	48,35	41,48	58	31	27	4,5	8	,5			4	4,5	8,5	19	11	2	1		3,33
1841	45,86	38,70	68	24	44	2,5	5		1	2	3,5	6	10	18,5	11,5	8	1	2	5,02
1842	45,86	34,09	66	20	46	4	4		2		5,5	9,5	5	21	9	4	1	1	3,50
1843	40,39	43,99	63	24	39	4	2	1,5	2,5		5,5	4	10,5	18,5	11,5	6	2		3,88
1844	48,47	38,76	65	25	40		6	,5	1	1	7,5	5	9	16,5	13,5	7		1	1,79
1845	50,04	44,24	68	22	46	1	3,5	1	2,5		8	7	7	17,5	12,5	5	1		3,08
1846	53,08	42,33	66	24	42	5	11,5	1	2	1,5	1	3,5	4,5	11,5	18,5	13		1	7,12
1847	52,77	44,46	72	12	60	2	3,5	,5	2,5	1,5	7	2	11	19,5	10,5	6			3,08
1848	41,66	41,26	66	22	44	1,5	3,5	,5	3	1	5,5	5	10	22	8	4	1		1,85
1849	52,67	47,91	70	31	39	2	6	,5	4	1	5,5	4,5	6,5	16,5	13,5	7			1,88
Mean.	47,02	41,12				2,25	5,11	,41	1,77	,79	5,71	4,33	9,63	17,71	12,29				3,79
Total.						54	122,5	10	42,5	19	137	104	231	425	295				91,11

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.										
1826	31, 74	33, 29	40, 37	47, 35	71, 19	72, 81	75, 54	71, 99	67, 71	54, 05	44, 61	33, 77	53, 96	92	8	50	55	February 1,	May 15,	October 9,	November 4.	
1827	27, 12	35, 34	41, 65	52, 17	58	77, 65	80, 72	10, 70	51, 64	12, 55	02, 39	98, 37	66	51, 66	96	0	96	53	January 21,	August 6,	October 17,	
1828	36, 75	41, 28	42, 13	47, 37	58	88, 76	12, 71	88, 73	45, 61	47, 53	05, 46	30, 16	31	53, 64	92	0	83	51	January 21,	September 1,	October 12,	November 14.
1829	30, 26	25, 98	36, 25	48, 68	59	98, 66	45, 69	62, 70	65, 59	75, 52	09, 44	27, 42	07	50, 50	87	4	83	53	February 25,	August 8,	September 28,	November 11.
1830	22, 00	30, 83	40, 81	50, 96	54	16, 67	85, 75	26, 70	66, 63	47, 55	28, 50	46, 38	23	52, 53	93	4	89	54	February 6,	July 21,	September 19,	December 11.
1831	27, 41	27, 45	43, 16	49, 72	59	98, 71	80, 78	10, 74	55, 65	90, 56	18, 42	80, 38	35	51, 28	94	5	89	52	January 23,	June 1,	September 29,	November 23.
1832	30, 67	33, 02	40, 52	46, 10	55	85, 60	57, 70	21, 70	49, 63	45, 54	86, 48	48, 88	22	51, 54	88	2	90	61	January 27,	June 17,	October 16,	December 4.
1833	37, 95	31, 87	36, 60	51, 45	61	75, 65	25, 73	84, 71	33, 64	71, 52	67, 42	80, 86	48	51, 83	91	4	87	62	March 2,	July 22,	October 23,	October 30.
1834	29, 27	30, 33	41, 91	49, 71	56	81, 64	92, 73	44, 71	26, 63	85, 50	82, 42	20, 34	25	51, 36	92	4	88	60	December 14,	July 26,	September 13,	November 2.
1835	30, 98	24, 25	36, 51	45, 56	56	95, 65	56, 71	41, 68	51, 60	10, 54	50, 44	58, 30	73	49, 49	87	0	93	59	January 4,	July 13,	October 26,	November 22.
1836	23, 16	22, 05	32, 51	40, 21	53	17, 68	18, 72	14, 66	92, 64	23, 47	28, 40	38, 31	56	47, 73	87	4	91	49	February 2,	July 7,	October 8,	November 17.
1837	25, 68	29, 36	37, 47	75, 56	69	65, 28	69, 51	69, 81	02, 66	52, 69	44, 26	63, 76	49	89	87	4	83	48	January 2,	August 8,	October 5,	November 14.
1838	35, 77	23, 50	38, 63	43, 76	55	65, 70	77, 77	51, 74	69, 65	67, 50	78, 89	92, 29	84	50, 49	95	9	86	48	February 17,	July 11,	October 9,	November 18.
1839	31, 18	33, 19	39, 60	51, 47	59	06, 64	24, 73	45, 69	45, 64	33, 55	41, 40	06, 84	60	51, 83	86	4	82	57	January 23,	July 26,	September 14,	December 12.
1840	23, 96	36, 26	41, 00	51, 72	58	71, 67	22, 72	25, 72	01, 61	54, 53	94, 44	46, 33	10	51, 34	88	1	87	58	January 1,	July 15,	October 3,	November 18.
1841	33, 22	30, 48	39, 10	46, 48	55	99, 69	44, 71	89, 71	68, 60	73, 49	70, 42	28, 86	29	51, 11	91	1	86	48	January 8,	June 30,	October 7,	November 19.
1842	35, 61	38, 86	45, 68	50, 82	56	49, 64	24, 72	16, 69	97, 68	04, 53	94, 40	89, 33	84	52, 05	89	13	76	51	January 23,	July 27,	September 24,	November 30.
1843	38, 78	27, 01	30, 74	48, 89	57	54, 63	07, 72	78, 72	74, 66	48, 53	10, 42	19, 86	53	51, 15	92	9	83	50	February 17,	June 10,	October 15,	November 7.
1844	26, 74	32, 50	41, 20	53, 85	62	54, 66	66, 71	19, 71	15, 64	71, 53	02, 43	61, 34	55	51, 81	86	5	81	54	January 27,	June 28,	October 13,	November 28.
1845	35, 05	32, 65	48, 37	50, 51	59	03, 68	84, 75	37, 74	42, 64	61, 56	34, 47	14, 29	73	53, 09	95	7	88	51	February 6,	July 13,	October 14,	November 30.
1846	33, 19	29, 04	40, 94	61, 15	60	08, 66	92, 73	16, 71	35, 69	51, 57	67, 47	70, 35	33	53, 05	92	6	86	50	February 26,	July 11,	September 17,	November 25.
1847	32, 79	31, 94	36, 59	45, 51	57	90, 67	19, 74	09, 72	15, 64	25, 53	14, 48	61, 40	32	54, 81	90	12	78	60	January 22,	July 19,	September 16,	December 17.
1848	35, 64	32, 34	34, 00	51, 29	62	16, 69	64, 72	06, 71	65, 63	63, 53	04, 41	46, 41	53	52, 88	94	5	89	54	January 10,	June 16,	September 28,	November 20.
1849	28, 14	26, 52	40, 03	47, 99	55	91, 68	85, 72	91, 72	13, 64	72, 53	03, 50	29, 34	67	51, 26	96	1	95	66	January 11,	July 13,	October 9,	December 2.
Mean.	0.4	1.37	40.16	49.14	50.55	67.86	72.68	71.40	64.25	53.47	44.15	35.16	51.62									

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1827	43, 5	59, 5	3	25, 5	14	82	41	96, 5	N 68° 30' W	33	122, 10	224	141	75	4	4
1828	28, 5	52, 5	6, 5	33	31	91	38, 5	85, 5	N 85 53 W	26	96, 61	190	176	37	3	2
1829	31, 5	51	4	32	43, 5	72	30	101	N 76 14 W	25	92, 29	234	131	79	12	3
1830	26	66, 5	6	41	36, 5	64, 5	20	104, 5	N 60 25 W	19	67, 74	216, 5	148, 5	101	12	4
1831	15	32, 5	3, 5	29	20	107, 5	33, 5	124	N 86 23 W	41	150, 41	235	130	65	14	4
1832	17	43	5	22	14	133	30	102	S 89 38 W	40	145, 27	230, 5	135, 5	32, 5	3	0
1833	32	42	6, 5	34	30	88, 5	25	107	N 78 47 W	29	105, 03	245	129	25, 5	4, 5	5
1834	32	51, 5	2	156, 5	17	34, 5	6, 5	65	S 62 27 E	22	81, 47	210, 5	124, 5	42, 5	5	1
1835	21	55	7, 5	24	13, 5	115	17	112	N 76 35 W	32	117, 38	253	112	38	7	5
1836	24, 5	78, 5	6, 5	35	27	58, 5	45, 5	90, 5	N 51 34 W	22	81, 85	232, 5	133, 5	27, 5	10	1
1837	24, 5	46, 5	13, 5	36	32	65	36	111, 5	N 75 38 W	25	91, 85	252	113	19	4	1
1838	23, 5	47	6	30, 5	45, 5	70	52, 5	96	N 87 32 W	29	104, 91	247	118	42, 5	7, 5	2, 5
1839	36	68	5, 5	34	35	76	31, 5	79	N 66 51 W	19	69, 04	238	127	36	6, 5	2
1840	18, 5	51, 5	11	38, 5	39	76	39, 5	92	S 89 58 W	23	83, 64	233, 5	132, 5	42	7	2
1841	30	64, 5	9, 5	31, 5	38	66	45	80, 5	N 70 15 W	21	75, 67	221	144	93	17	8
1842	18, 5	58, 5	6	44, 5	25	96	43	73, 5	S 81 34 W	23	84, 95	221, 5	143, 5	92	11	2
1843	19	65, 5	12, 5	31, 5	24, 5	73, 5	43	95, 5	N 07 4 W	24	87, 74	209	156	68	19	6
1844	23, 5	67, 5	10	37	37	76	42, 5	72, 5	N 85 8 W	17	63, 76	219, 5	146, 5	81	10	4
1845	23	49	6, 5	35	37	68	54, 5	92	N 82 50 W	29	102, 55	238, 5	136, 5	59	18	5
1846	25, 5	71, 5	8, 5	42, 5	32, 5	71	32	81, 5	N 67 34 W	16	54, 87	210	155	77	11	6
1847	22	72, 5	11, 5	32	41, 5	76	38, 5	71	N 85 35 W	16	57, 32	223, 5	141, 5	73	13	7
1848	22	57, 5	8, 5	46	35, 5	61	33	102, 5	N 70 18 W	19	71, 09	235, 5	130, 5	63	11	4
1849	27, 5	69, 5	9	54, 5	32, 5	52	31, 5	88, 5	N 51 8 W	13	46, 59	224	141	77	11	6
Mean.	25, 39	57, 43	7, 33	40, 24	30, 50	77, 08	35, 19	92, 09	N 77° 21' W	22	80, 30	228, 87	136, 38			
Total.	581	1321	168, 5	925, 5	701, 5	1773	809, 5	2118				5264	3137			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1826	47	1.46	8.66	2.03	.66	8.40	3.77	7.95	3.09	8.54	2.95	2.51	44.89	May.	October.
1827	2.45	4.50	2.05	5.65	3.45	3.68	3.58	5.47	3.78	4.10	6.05	3.51	45.27	March.	November.
1828	3.02	3.25	4.50	4.33	4.80	2.55	3.73	1.97	6.85	.96	8.73	.45	45.14	December.	November.
1829	4.48	5.64	4.17	5.36	8.98	3.33	2.35	4.84	3.16	4.41	4.96	1.89	48.62	December.	February.
1830	2.87	2.07	8.08	3.30	2.77	4.68	5.49	2.49	1.33	4.78	6.69	7.92	53.47	September.	December.
1831	4.72	8.46	4.29	5.98	2.36	1.48	6.17	2.55	3.14	4.47	2.02	1.93	42.57	June.	July.
1832	5.55	2.76	.83	3.40	4.65	.97	5.31	5.91	1.91	3.06	8.63	5.56	43.54	March.	August.
1833	3.15	1.00	3.30	1.57	5.70	4.97	3.63	3.68	2.94	8.52	2.37	5.60	46.76	February.	October.
1834	2.22	2.37	1.62	8.21	4.83	7.25	4.54	.90	8.05	2.70	8.83	2.90	39.48	August.	June.
1835	2.65	1.29	4.71	6.22	1.76	3.25	5.13	2.84	1.27	2.11	3.16	3.71	38.11	September.	April.
1836	7.51	4.06	2.50	4.01	1.88	8.55	2.50	2.31	1.66	2.74	2.75	3.92	43.99	May.	June.
1837	1.84	2.83	5.92	3.23	4.29	8.45	2.93	3.05	1.76	1.01	1.65	2.55	24.66	October.	March.
1838	2.22	1.50	3.42	3.07	4.54	4.90	2.19	1.74	8.22	3.98	3.91	1.42	41.11	December.	September.
1839	1.82	2.52	1.83	3.64	5.74	4.84	2.75	3.91	3.09	1.99	3.88	6.84	42.90	January.	December.
1840	2.00	2.84	2.56	4.95	2.82	1.90	1.10	3.71	1.84	4.62	3.33	4.26	35.93	July.	April.
1841	6.70	1.53	4.77	6.77	3.01	4.56	2.85	5.50	1.73	4.50	5.02	5.15	52.12	February.	April.
1842	1.34	4.13	2.08	4.53	4.63	3.25	6.71	5.96	2.82	4.17	3.50	4.51	47.58	January.	July.
1843	1.13	2.79	4.37	5.21	1.59	1.75	1.96	15.76	2.78	4.57	3.88	50.19	50.19	January.	August.
1844	8.66	1.50	4.37	.53	3.58	3.48	5.42	3.71	3.75	4.22	1.79	2.81	39.07	April.	July.
1845	3.84	4.45	2.50	1.04	1.55	3.36	1.67	8.27	2.65	1.92	3.08	2.81	32.14	April.	February.
1846	4.16	3.56	2.78	3.01	7.13	1.12	5.75	4.10	.90	1.72	7.12	3.41	44.00	September.	May.
1847	3.54	5.41	5.13	.82	1.69	5.51	2.58	2.40	10.65	1.79	3.08	3.33	45.93	April.	September.
1848	1.80	1.51	2.12	.89	5.27	5.19	3.00	1.00	2.15	4.09	1.85	4.54	33.41	April.	May.
1849	.55	2.23	5.07	.80	3.76	.77	2.15	3.99	.98	8.26	1.88	4.08	32.47	January.	October.
Mean.	3.08	2.88	3.62	3.49	3.61	3.88	3.63	4.12	3.11	3.89	3.79	3.73	42.74		
Total.	73.72	69.23	56.90	83.90	86.69	93.24	87.31	99.01	74.69	93.49	91.11	88.47	1026.25		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1826	10	31	26	1	10	19	17	11	15	1	3	19	8	14	20	31	3	24	6	27	6	19	16	28
1827	27	20	28	12	26	4	11	1	27	1	27	1	2	24	6	28	3	26	9	31	4	26	15	23
1828	3	24	7	12	28	1	29	14	4	1	29	2	25	10	26	4	1	9	9	16	3	18	4	31
1829	15	3	26	23	31	1	29	10	22	3	15	2	15	1	8	29	2	28	25	22	17	24	7	11
1830	16	30	20	6	22	9	22	1	16	11	17	2	21	9	7	26	7	18	2	25	1	26	31	22
1831	4	23	16	5	25	20	9	31	9	1	23	5	12	15	8		10	30	4	28	10	30	24	14
1832	18	27	3	24	10	18	26	9	14	24	17	9	3	11	15	25	10	13	20	28	18	15	7	22
1833	5	11	19	1	19	2	29	15	19	3	22	9	22	3	13	29	5	12	16	31	9	17	5	20
1834	18	4	20	7	19	22	17	27	19	15	9	5	26	30	12	28	4	29	2	15	7	15	6	14
1835	30	4	22	8	21	1	9	14	26	9	13	8	13	27	13	6	6	29	30	25	16	29	25	16
1836	2	28	22	2	28	12	26	6	3	27	18	24	7	17	1	9	20	29	2	31	12	25	10	28
1837	31	2	1	13	13	5	30	4	31	1	30	10	15	9	8	23	11	24	24	29	5	26	8	22
1838	17	31	8	17	24	1	29	24	17	4	14	6	11	22	6	14	5	23	2	31	4	25	5	30
1839	12	23	25	6	27	3	27	14	20	4	11	5	26	5	26	30	9	30	10	21	15	26	5	31
1840	30	1	20	5	4	11	23	8	18	9	12	2	15	7	23	26	9	22	1	26	4	18	13	25
1841	7	3	26	12	20	16	24	12	23	3	30	2	23	31	4	1	3	30	12	25	1	29	14	22
1842	29	23	4	17	3	12	22	1	11	20	19	11	27	15	17	1	12	22	2	20	7	28	4	23
1843	20	3	11	17	28	3	16	1	16	3	10	1	29	3	31	4	25	27	2	31	18	27	25	13
1844	17	27	21	10	25	31	14	1	25	22	28	13	14	16	9	26	16	29	18	31	11	28	7	28
1845	24	31	22	6	28	19	28	8	12	16	9	30	13	1	26	28	3	22	11	22	1	28	13	21
1846	2	18	5	26	20	1	21	3	26	11	19	22	11	17	5	26	6	28	9	19	3	26	3	19
1847	1	22	3	23	8	16	22	18	29	2	28	15	19	29	13	19	4	25	8	27	9	30	14	27
1848	1	10	21	11	31	15	10	19	20	1	16	7	26	8	14	25	4	27	1	14	4	10	8	23
1849	26	11	24	16	31	4	8	15	23	6	22	11	13	2	29	1	17	27	17	31	4	1	20	25

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	
1826	61	5	56	3	71	21	62	30	92	50	91	58	89	63	89	58	88	45	75	30	67	21	60	4	
1827	50	0	55	8	70	20	78	32	81	38	86	45	94	57	96	52	84	46	72	32	69	22	54	10	
1828	55	9	63	20	72	18	65	32	80	42	84	57	91	59	91	62	92	49	75	28	66	26	57	17	
1829	49	5	42	4	59	19	78	34	85	43	85	54	87	53	87	56	85	32	70	34	58	22	64	20	
1830	48	8	58	4	68	20	82	36	77	42	84	52	93	57	86	56	81	41	74	39	64	38	58	12	
1831	64	6	50	8	66	24	73	32	92	39	94	52	90	53	89	50	87	47	78	37	70	24	39	5	
1832	59	2	59	9	64	14	77	25	79	40	88	50	88	58	84	50	80	43	73	33	66	24	56	16	
1833	63	12	54	10	66	4	84	31	84	40	83	44	91	56	84	48	86	44	73	30	66	24	48	20	
1834	57	7	59	14	64	20	76	30	78	31	89	44	92	56	91	51	82	45	78	30	61	23	52	4	
1835	53	-6	52	2	61	4	71	27	85	41	84	46	87	53	84	52	81	40	71	35	69	20	48	4	
1836	43	5	45	4	49	12	73	24	84	88	87	47	85	56	82	50	85	40	73	28	64	25	50	6	
1837	43	5	41	4	54	9	70	81	76	28	84	52	85	56	87	53	78	46	75	31	68	26	60	14	
1838	60	12	53	9	63	17	69	24	74	37	89	55	95	63	93	60	86	48	74	31	60	14	46	12	
1839	61	4	53	10	66	11	80	30	81	40	82	40	86	57	83	50	82	43	74	31	62	16	56	15	
1840	43	3	59	1	68	8	75	29	82	38	84	52	88	57	85	58	77	45	72	30	58	31	52	15	
1841	50	5	53	5	66	20	62	30	78	34	91	49	88	55	84	58	83	54	66	32	68	24	74	11	
1842	55	13	64	13	70	22	73	29	78	41	80	42	89	57	87	54	84	41	72	36	66	20	48	17	
1843	60	14	46	9	48	15	70	28	79	40	89	39	92	59	85	61	88	40	72	37	63	24	45	14	
1844	48	5	52	10	65	22	80	26	80	40	85	49	85	53	86	55	84	42	70	36	65	25	58	16	
1845	49	14	58	7	72	25	79	30	86	40	93	48	95	53	86	63	80	46	73	29	68	22	44	13	
1846	52	8	48	6	63	16	81	31	82	43	84	51	92	57	90	57	87	49	80	22	66	24	56	20	
1847	62	12	49	12	56	21	78	24	82	39	90	49	89	53	82	56	82	49	67	30	72	12	60	15	
1848	52	5	52	11	66	12	72	31	82	40	94	51	85	58	84	50	86	39	71	40	66	22	68	20	
1849	57	1	46	3	68	23	66	25	82	88	94	50	96	53	82	58	84	51	69	22	70	31	50	9	
Highest.	64		64		72		84		92		94		96		96		92		80		72		68		
Lowest.		-6		-4		4		24		28		39		53		48		32		22		12		4	
Range.		70		68		68		60		64		55		43		48		60		58		60		64	

SUMMARY OF OBSERVATIONS AT FAIRFIELD ACADEMY,

FAIRFIELD, HERKIMER COUNTY, N. Y., DURING 19 YEARS.

Latitude N. 43° 05'; Longitude W. 74° 55'. Elevation above tide, 1185 feet. About 300 feet above the valley of West Canada Creek, and 800 feet above the Erie Canal at Herkimer.

OBSERVERS.

1827, L. BARROWS and THOS. GORTON, Students.
1828, J. J. H. KINNICUT and DAVID CHASSELL, Jun.
1831, DAVID CHASSELL, Jun.
1832, D. CHASSELL and J. E. CHASSELL.
1833, J. E. CHASSELL.
1835, DAVID CHASSELL, Jun.

1836, DAVID CHASSELL, Principal, and D. CHASSELL, Jun.
1837, J. E. CHASSELL.
1838, '9, J. E. CHASSELL.
1840, O. BLANCHARD, Teacher, and others.
1841, ORLANDO BLANCHARD, Teacher.
1848, '9, LINUS E. FORD, Trustee.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	20,01	13,63	39	-14	53	1,5	3	7,5				3	16	5	26		4		
1828	30,25	17,94	49	-14	63		2	5,5	2	1	1,5	4	15	7	24	3	4		2,13
1831	17,60	9,45	50	-20	70	1,5	1,5	4,5		1	,5	2,5	19,5	14	17	5	7	5	1,54
1832	24,46	18,75	52	-16	68			8,5	3	1,5	2	9,5	6,5	10	21	2	10	1	2,90
1833	27,07	16,72	47	-12	59			2,5	10			4	14,5	2,5	28,5,	2,5	2		
1835	15,73	30,33	53	-21	74		1	7,5	4		,5	4	14	10	21	3,5	3		1,82
1836	24,71	17,44	34	-6	40		,5	8,5	3	,5	1,5	8,5	8,5	1	30	,5	16	1	3,96
1837	11,07	18,73	52	-12	64			3,5	6,5		1	2	18	5	26		7		1,58
1838	32,42	22,98	53	-16	69	,5		4	10,5	,5	1,5	,5	13,5	10,5	20,5	4	3,5		,38
1839	15,87	18,47	44	-20	64			5	10,5	1	3	3,5	8	13,5	17,5	2	3		3,45
1840	10,61	13,17	41	-17	58	2,5	2	,5	3			,5	22,5	11	20	,5	8		1,32
1841	21,77	25,15	44	-9	53	1		7,5	7	2,5	2	9	2	5,5	25,5	4	8		5,10
1842	17,84	26,71	49	-8	57			8	3			10,5	9,5	12,5	18,5	1	8		2,83
1843	25,68	28,76	49	-5	54			3,5	10			10	7,5	10,5	20,5	3	5	1	2,68
1844	16,09	5,82	35	-17	52			3	7			12	9	13	18	4	6	1	2,91
1845	22,24	20,64	40	-9	49			12	1		,5	13	4,5	8	23	4	8		4,11
1847	25,55	14,96	39	-7	46			8	1	1	1	12	8	8	23	3	8	2	3,60
1848	21,93	25,65	50	-18	68			14,5	2,5			11,5	2,5	11,5	19,5	4	6		2,41
1849	10,90	19,06	45	-18	63	,5	1,5	,5	5,5	,5	,5	12	10	13,5	17,5	3	6		3,09
Mean.	20,62	19,18				,39	,61	6,03	4,71	,50	,82	6,94	11,00	9,05	11,95				2,69
Total.						7,5	11,5	114,5	89,5	9,5	15,5	132	209	172	417				45,81

OBSERVATIONS AT FAIRFIELD ACADEMY.

107

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1827	16,14	29,21	50	-19	69	1,5	2,5	9	,5	,5	1	5,5	7,5	7	21	1	3	1	
1828	36,04	29,56	55	2	53	1,5		9,5	2,5	,5	1,5	4	9,5	6	23	4	9	1	2,90
1831	15,42	25,34	52	-3	55	,5		4,5	2		1	2,5	17,5	15,5	12,5	2	8		1,10
1832	22,12	21,99	43	-16	59			9	,5	1	1	6,5	11	5	24	4,5	11	,5	1,60
1833	14,03	21,53	45	-9	54			3,5	3,5	1		1	19	8	20		2,5		
1835	8,59	21,44	44	-17	61		1	10,5			,5	8	8	9	19	1,5	9		2,25
1836	12,32	21,84	44	-22	66	,5		11,5	1,5			7,5	8	3,5	25,5	1,5	9		3,37
1837	18,57	22,41	45	-15	60		1	1,5	7,5	1	1	2	14	2,5	25,5	1,5	3,5		,34
1838	12,59	8,67	35	-10	45	,5		1	1,5	,5	1	1,5	22	20,5	7,5		2		,04
1839	17,11	29,99	45	-3	48		2,5	4	7,5	,5	1,5	2,5	9,5	10,5	17,5	1	4		,78
1840	22,43	31,91	52	-14	66	,5	,5	4	10	2	1	11		7,5	21,5	5,5	3	,5	,25
1841	16,12	24,81	41	-4	45	1		3	4,5		1	12	6,5	11,5	16,5		6		1,03
1842	31,29	21,86	52	-4	56			3	8,5			10,5	6	8	20	3	9	2	6,35
1843	12,52	15,57	32	-9	41			5,5	2,5			7	13	10,5	17,5		7		,96
1844	18,54	24,98	45	-7	52			4	7,5			13	4,5	13,5	15,5	1	7		1,44
1845	8,55	34,77	52	-17	69			9	2,5			9	7,5	10,5	17,5	1	6		3,15
1847	22,07	17,86	42	-8	50			10	1,5		,5	13	3	6	22	1	8	1	3,89
1848	16,10	22,81	40	-10	50	1	,5	9	1			7,5	10	15	14	1	11		1,21
1849	13,63	20,06	47	-12	59		,5	4	14	,5	1	2	6	12	6		10		1,86
Mean.	17,59	23,51				,37	,45	6,08	4,16	,39	,63	6,05	10,18	9,58	18,74				1,79
Total.						7	8,5	115,5	79	7,5	12	115	193,5	182	356				32,52

MARCH.

1827	23,08	35,10	54	9	45	2	2,5	4	1,5		,5	11	9,5	15	16	3	2	1	
1828	26,84	39,41	70	4	66	,5	1,5	10,5		3,5	,5	5,5	9	7,5	23,5	6	3	1	2,48
1831	35,93	39,51	60	13	47			7	5	1	2	5,5	10,5	10	21	4,5	3,5		1,52
1832	29,17	36,82	66	0	66			9	2			7	13	11,5	19,5	2,5	4	,5	1,99
1833	19,48	39,75	55	-7	62			1	6		,5	2	21,5	11	20	1,5	1,5		
1835	20,92	29,45	49	-6	55			11,5	1,5	,5		10,5	7	10,5	20,5	,5	7		1,63
1836	21,32	29,94	54	10	44			13,5	3	1	,5	4,5	8,5	7	24	1	4,5		1,89
1837	22,86	29,93	45	-6	51			6,5	10,5			2	12	7	24	4,5	2,5		3,22
1838	32,45	34,70	65	6	59	,5	,5	7,5	8	,5		2,5	11,5	19	12		5		,40
1839	27,52	33,17	55	0	55		1	2,5	5,5	1	2	2	17	15	16	2	2,5	1,5	,90
1840	30,03	31,53	60	-4	64		1,5	4	7	,5	,5		17,5	11	20	4	4		1,20
1841	22,13	31,98	50	-2	52	1	,5	4	6,5	1	1,5	8	8,5	16	15	2	3	1	3,33
1842	34,96	33,72	68	4	64		,5	6,5	1,5		1,5	13	8	9	22	6	4	3	5,00
1843	17,80	22,69	44	-5	49			6	,5			5	19,5	13	18	1	11		2,57
1844	32,89	28,13	45	5	40			1	12			14	4	11,5	19,5	6	4	1	2,43
1845	32,29	33,67	68	9	59			12	2	1,5	,5	8,5	6,5	13,5	17,5	3	9	1	2,43
1847	20,69	27,91	50	2	48			8	2			9,5	11,5	16	15	2	7		3,04
1848	20,69	33,65	63	-8	71		,5	7	3		1	14,5	5	12	19	3	7		4,24
1849	26,35	35,89	60	6	54		,5	1,5	10,5	1	,5	8,5	8,5	14	17	5	3	4	1,85
Mean.	26,18	33,00				,21	,47	6,47	4,63	,61	,61	7,02	10,98	12,08	18,02				2,36
Total.						4	9	123	88	11,5	11,5	133,5	208,5	129,5	359,5				40,12

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	49,90	43,25	72	26	46		1,5	8	3	2	1	9	5,5	13	17	3	1		
1828	34,82	43,25	59	20	39			13,5		,5		5,5	10,5	10	20	9	3	2	2,76
1831	42,99	49,64	68	21	47	,5	1	11	2		1,5	3,5	10,5	11,5	18,5	7	2		1,80
1832	38,94	44,38	73	15	58	1		7	,5			8	13,5	17,5	12,5	5	,5	,5	2,39
1833	44,34	49,03	80	20	60			4	3		1,5	3,5	18	14	16	1,5			
1835	40,99	36,60	66	10	56			12	,5			11	6,5	9,5	20,5	2,5	6	,5	1,68
1836	37,82	45,97	70	19	51			7,5	2,5		1,5	11	7,5	9	21	3,5	2,5		2,74
1837	36,89	40,37	65	17	48			1	3	,5	1,5	1,5	22,5	6,5	23,5	2,5	1,5		1,10
1838	33,39	35,64	58	12	46			5	5,5		1	2	16,5	15,5	14,5	1,5	,5	,5	,50
1839	48,88	45,19	79	21	58	,5		2	6	,5	4	2,5	14,5	17,5	12,5	7,5	,5		2,10
1840	40,95	50,74	82	19	63			5,5	3,5	1,5	2,5	10	7	13	17	12	3		5,10
1841	31,73	43,55	67	14	53		1,5	5,5	5,5	1		9	7,5	12,5	17,5	7	6	1	3,70
1842	40,30	46,79	85	8	77	1		10	1,5		1	8	8,5	15	15	7		2	3,97
1843	34,12	47,62	72	16	56		,5	5	4,5		4,5	13,5	2	13,5	16,5	12			2,68
1844	41,88	50,57	76	17	59			9,5	4,5			13	3	17	13	6			1,70
1845	33,09	48,78	71	16	55			8	5			11,5	5,5	13	17	7	4		3,28
1847	35,38	39,94	72	—1	73			7,5	,5	,5		13,5	8	14,5	15,5	4	3		2,15
1848	39,67	40,86	64	22	42			6,5	1,5			21	1	21	9	3	2	2	2,78
1849	38,17	38,27	64	14	50	,5		1,5	9	,5	2	5	11,5	16,5	13,5	6	4	1	2,62
Mean.	39,17	44,23				,18	,24	6,84	3,24	,37	1,16	8,52	9,45	13,68	16,32				2,53
Total.						3,5	4,5	130	61,5	7	22	162	179,5	260	310				43,05
MAY.																			
1827	47,01	54,14	86	30	56	,5	2,5	1,5	1,5		,5	12,5	12	21,5	9,5			1	
1828	52,51	53,71	75	32	43			15	1,5	2		,5	7,5	4,5	22,5	15			2,58
1831	50,99	60,09	86	28	58	,5		8,5	1,5	2,5		,5	2,5	15	19	12	5	1	1,80
1832	52,90	55,45	75	34	41	,5	,5	10	2,5	2		,5	10	5	15	16	6		3,02
1833	58,09	59,34	81	41	40			1	2,5	,5	1	3,5	22,5	14,5	16,5	4			
1835	53,47	57,64	81	28	53			11	1,5	,5	1,5	9,5	7	17,5	13,5	5,5			1,10
1836	59,67	63,75	85	37	48			11,5	5,5			10	4	11	20	10			4,26
1837	43,27	50,26	77	23	54			1	14,5	2	3	1	9,5	4	27	6,5			2,92
1838	47,01	51,50	85	34	51	,5	,5	1	6,5	1	1,5	1	19	11,5	19,5	7,5			3,65
1839	49,66	54,03	73	27	46				8		,5	3	19,5	11	20	7	,5		3,55
1840	47,34	64,25	85	30	55	,5		9,5	1,5	1,5	1,5	11	5,5	20	11	7,5		,5	3,92
1841	40,67	59,87	88	24	64			3,5	1,5	1	2,5	12	10,5	18	13	5	1		1,58
1842	50,25	54,19	80	31	49	1		2	7			10,5	10,5	15	16	9			2,83
1843	54,18	52,82	84	31	53			5	1,5		1,5	18	5	22	9	3			1,97
1844	52,93	55,68	80	36	44			3	1			25	2	12,5	18,5	11		1	7,39
1845	52,36	49,40	83	25	58	1		4,5		1	1,5	12,5	10,5	16	15	12	2		3,54
1847	52,22	57,25	76	28	48			16,5	1,5		1	9,5	2,5	20,5	10,5	8			2,64
1848	52,40	60,48	80	32	48			7,5	2,5		1,5	17,5	2	15,5	15,5	12			3,00
1849	43,22	55,01	78	26	52			7	9,5		,5	14		13,5	17,5	13			2,80
Mean.	50,53	56,26				,24	,18	6,26	3,76	,74	1,03	10,03	8,76	15,08	15,92				3,09
Total.						4,5	3,5	119	71,5	14	19,5	190,5	166,5	286,5	302,5				52,55

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	63,35	59,35	89	38	51	3	,5	,5	1,5	2,5	5,5	7	9,5	18,5	11,5	4			
1828	71,11	74,82	93	43	50		1	12		4,5	1,5	9	2	11	19	14			5,48
1831	69,02	65,09	93	41	52	,5		3	,5	2	2	11,5	10,5	13,5	16,5	8,5			3,40
1832	59,33	67,55	86	40	46		1	8,5			2,5	3,5	14,5	17	13	4,5			2,15
1833	58,38	57,47	70	34	36			3,5	2,5	1	1	5,5	16,5	8	22	3,5	,5		
1835	68,93	60,24	84	40	44			7,5	,5	,5	1,5	10,5	9,5	15	15	6,5			6,38
1836	62,73	61,54	85	46	39	,5	,5	6	6,5		6	4	6,5	10,5	19,5	7,5			6,25
1837	65,06	58,99	84	45	39			2,5	6,5		1,5	5,5	14	5,5	24,5	8			5,10
1838	62,15	63,14	87	40	47			2,5	7	,5	2,5	1	16,5	18,5	11,5	6,5			3,55
1839	57,17	57,43	79	36	43			1	3		4,5	2,5	19	12	18	8,5			5,55
1840	58,04	62,83	92	35	57			6,5		1	1	18,5	3	14,5	15,5	9			4,12
1841	64,42	66,80	86	46	40			3	6		3	14,5	3,5	17	13	9			3,81
1842	56,88	64,31	80	37	43		,5	2,5	13		1	7	6	14,5	15,5	10			4,61
1843	54,62	67,39	88	34	54			1	2		3	23	1	16	14	12			4,48
1844	56,93	65,76	88	36	52				3,5			23,5	3	16	14	8	1		2,99
1845	66,09	58,54	87	38	49			5		,5	,5	19	5	20	10	9			4,30
1847	57,11	63,09	85	38	47		1,5	7	4,5		2	9,5	5,5	12	18	12			4,87
1848	55,43	67,63	87	31	56			3,5	1,5	1	,5	15,5	8	18	12	9			2,20
1849	59,53	68,34	90	36	54			,5	11,5		,5	14	3,5	19,5	10,5	7			3,73
Mean.	61,38	63,70				,21	,26	4,00	3,68	,71	2,11	10,76	8,27	14,58	15,42				4,29
Total.						4	5	76	70	13,5	40	204,5	157	277	293				72,97

JULY.																			
1827	68,65	63,75	87	32	55	1		7	5	2	2	8	6	18	13	3			
1828	69,46	70,06	84	44	40	1,5		4	5	6	3	8,5	3	6,5	24,5	21			10,89
1831	66,90	67,53	88	44	44			3	,5		,5	10,5	16,5	18	13	7,5			3,18
1832	66,37	61,17	90	48	42	,5	,5	4,5	2,5	,5		2,5	20	13,5	17,5	7			2,67
1833	59,06	62,81	86	40	46			2,5	5	,5	2,5	6,5	14	10,5	20,5	5			
1835	61,64	64,05	84	45	39	,5		8,5	1,5	,5	3	9	8	14,5	16,5	5,5	,5		4,65
1836	70,06	65,22	90	48	42	,5		,5	7,5	4	1		17,5	17,5	13,5	6,5			2,42
1837	63,63	61,74	85	50	35			7			4	4	16	10,5	20,5	4			3,85
1838	71,29	61,03	90	48	42			,5	7		3,5	2,5	17,5	16,5	14,5	5			2,33
1839	65,31	75,92	88	55	33			8		8	2,5	12,5	12,5	18,5	11				5,70
1840	66,01	67,72	90	43	47			3	1,5	1,5	3,5	19,5	2	17	14	6,5			4,67
1841	61,72	66,73	91	45	46			2	3	,5	2	13,5	10	23,5	7,5	2			3,87
1842	65,31	71,09	94	50	44	1		2	5,5		4	8,5	10	20	11	9			6,14
1843	65,41	66,37	91	41	50			1	,5	,5		27	2	23,5	7,5	5			4,41
1844	64,36	64,40	84	42	42		,5	4,5	3,5		2	1	19,5	19,5	11,5	8			4,47
1845	65,97	64,73	87	45	42			2	2		2,5	17,5	7	15	16	8			2,19
1847	69,00	67,81	94	39	55		4,5	6,5	5	,5	5,5	7,5	1,5	15	16	7			2,84
1848	62,35	66,59	88	46	42			1,5	11,5	,5	1	13,5	3	16,5	14,5	9			6,40
1849	67,46	68,76	92	42	50		,5	7		2	1	15,5	5	26	5	2			,92
Mean.	65,82	66,34				,26	,32	2,79	4,66	1,00	2,58	9,34	10,05	16,53	14,47				4,21
Total.						5	6	53	88,5	19	49	177,5	191	314	275				71,60

AUGUST.																				
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1827	66,75	62,76	83	42	41	4,5	1	3	1			12,5	13,5	20	11	2				
1828	68,01	71,36	90	50	40				4,5	2,5	5	2	4,5	8	17	14	9			5,46
1831	65,04	67,94	88	47	41				4,5	1	1,5	1	9	14	15,5	15,5	4			2,90
1832	69,07	62,10	88	36	52		,5	5	4	1	1,5	5	14	15,5	15,5	4			5,14	
1833	55,33	62,99	73	39	34			2	4	1	3,5	8	12,5	9,5	21,5	4				
1835	66,11	61,52	86	42	44			5	5,5	,5	3	7,5	9,5	8	23	6			6,79	
1836	62,24	60,20	85	39	46	1,5			9	2,5	2,5	1	14,5	16,5	14,5	5			1,61	
1837	61,92	58,98	85	40	45			2	11		3,5	4	10,5	4,5	26,5	4			3,17	
1838	62,68	60,11	96	41	55			3,5	9	,5	1,5	3,5	13	18,5	12,5	8			7,61	
1839	63,75	88,21	85	39	46		,5	,5	7,5	2	3	2,5	15	12	19	4			1,35	
1840	64,37	67,93	92	46	46			7	,5	,5	3	20		13	18	9,5			4,62	
1841	67,19	66,52	89	45	44			4,5	7,5	,5	2	8	8,5	21	10	8			2,62	
1842	67,30	69,22	91	43	48			6,5	9		7	4,5	4	18	13	9			2,90	
1843	67,31	67,33	89	51	38			3	3,5	,5	5	19		17	14	8			3,81	
1844	64,04	61,90	89	46	43	,5		7	5,5		1,5	15,5	1	16,5	14,5	10			4,04	
1845	67,67	68,10	90	44	46			11,5	3		3,5	11	2	23,5	7,5	2			,94	
1847	68,69	62,10	88	46	42			1	11,5	2	2,5	12	2	17	14	6			2,55	
1848	68,40	64,96	90	47	43			,5	15		4,5	9,5	1,5	24	7	4			2,71	
1849	64,71	68,64	87	46	41				13	1	1	12,5	3,5	19,5	11,5	7			3,95	
Mean.	65,29	65,94				,34	,10	3,74	6,47	,97	2,72	8,92	7,74	16,13	14,87				3,65	
Total.						6,5	2	71	123	18,5	51,5	169,5	147	306,5	282,5				62,17	

SEPTEMBER.																			
1827	63,68	52,00	83	31	52	1,5	2,5	5			3,5	7	10,5	11,5	18,5	6			
1828	60,18	57,37	79	40	39	1		11	4	2	1,5	4,5	6	12	18	13			4,23
1831	62,03	56,30	82	36	46	,5		4	,5	3		8,5	13,5	11,5	18,5	6			2,10
1832	56,47	67,63	90	39	51			4	5,5	,5	1,5	3,5	15	14,5	15,5	3,5			2,20
1833	64,03	59,50	72	47	25		,5	4	3	,5	2,5	5,5	14	12	18	2,5			
1835	57,83	62,65	78	39	39	1		3,5	2	,5	2,5	8,5	12	9,5	20,5	3,5	,5		3,01
1836	63,45	56,18	87	30	57			2	14		1,5		12,5	13	17	7,5	,5		1,37
1837	58,57	57,66	79	37	42		,5	5,5	10,5		,5	4	9	6,5	23,5	2,5			2,78
1838	59,25	55,38	83	42	41				15,5		,5	1,5	12,5	18	12	6			2,30
1839	60,40	54,88	83	29	54			1	6		,5	2	20,5	7,5	22,5	6,5			3,00
1840	57,43	51,70	81	31	50			,5	1	2,5	7	15,5	3,5	15,5	14,5	6,5			4,48
1841	63,34	57,82	85	43	42		,5	5	9			9	6,5	16	14	6			3,44
1842	60,68	50,13	86	31	55			7,5	5			13	4,5	12,5	17,5	10			6,58
1843	58,90	57,06	80	33	47			6	,5			21,5	2	15	15	9			2,06
1844	62,14	52,14	87	22	65		1	10	1,5	1		14,5	2	22	8	3	1	1	2,57
1845	56,22	54,31	79	32	47	1		4	2	3,5	3,5	12	4	12	18	12		1	3,94
1847	69,11	52,58	83	34	49			7,5	8,5		,5	13,5		14	16	8			3,76
1848	56,36	46,56	75	31	44				7,5		5	13	4,5	13,5	16,5	13			2,66
1849	59,84	54,37	84	37	47		1	2,5	10	,5	1	10	5	20,5	9,5	6			1,83
Mean.	60,52	55,59				,21	,37	4,37	5,58	,74	1,65	8,79	8,29	13,53	16,47				3,08
Total.						4	7	83	106	14	31,5	167	157,5	257	313				52,40

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	59,99	42,25	72	21	51	2	2,5	4	6	1,5	3	5,5	6,5	7,5	23,5	8	1		
1828	47,94	41,06	72	14	48	2		8,5	1,5	2	1	15	1	16,5	14,5	6	2		2,38
1831	56,63	54,49	74	34	40			5	,5		,5	19,5	5,5	17,5	13,5	8	,5		1,24
1832	49,95	45,88	75	18	57	,5	,5	3,5	10,5	1	1,5	2,5	11	9,5	21,5	7,5			4,47
1833	55,21	59,71	70	28	42			1,5	5,5	,5	2,5	5,5	15,5	12	19	2,5			
1835	59,29	58,01	72	44	28			11,5	3,5	,5		8,5	7	7,5	23,5	5,5			4,63
1836	41,92	33,14	64	14	50	1		1	5	3,5	,5	,5	19,5	10,5	20,5	5	2,5		2,52
1837	43,88	42,39	78	15	63			4	8		,5	1,5	17	5	20	6,5			5,74
1838	44,62	32,21	78	27	51				11		1,5	1	17,5	8	23	7,5	2,5		3,15
1839	47,06	52,42	75	19	56			1,5	8,5		5	2	14	15,5	15,5	2,5	,5		,55
1840	49,61	39,34	70	23	47				11,5	4	2,5	2,5	10,5	13,5	17,5	3	2		4,98
1841	43,51	36,96	70	21	49			1	3,5	4	2,5	4	16	12,5	18,5	3		3	1,41
1842	48,45	40,78	70	27	43			1,5	8	2	1,5	4,5	13,5	14,5	16,5	5	2		3,58
1843	44,97	36,83	62	27	35		1	2	4			18	6	11	20	9			4,47
1844	44,66	40,79	66	24	42			16,5				13	1,5	9,5	21,5	8	2	1	3,78
1845	53,48	42,20	68	19	49			15	1			14	1	18	13	8			2,31
1847	46,18	39,52	60	16	44			15	2			10	4	15,5	15,5	9		1	4,53
1848	47,17	41,45	66	25	41			,5	0,5		,5	14	6,5	14	17	12			2,59
1849	43,79	45,90	64	26	38		1	7,5	9,5		,5	6	6,5	13	18	3	1		8,25
Mean.	48,38	43,44				,29	,26	5,24	5,74	1,00	1,24	7,76	9,47	12,16	18,84				3,56
Total.						5,5	5	99,5	109	19	23,5	147,5	180	231	358				60,58

NOVEMBER.																			
1827	31,96	24,37	46	12	34	2,5	1	1	3	2	1	6,5	13	7	23	4	3		
1828	40,49	30,90	60	12	48			14	,5	,5	1	8,5	5,5	6	24	5	5		4,22
1831	42,19	29,86	68	20	48			2,5				12	15,5	4	26	1,5	6		1,90
1832	42,39	38,28	61	17	44			2	6,5	,5	2	5	14	9,5	20,5	4			1,80
1833	58,28	43,43	69	29	40	,5	,5	2,5	5,5		2	3,5	15,5	8,5	21,5	4			
1835	42,27	22,88	61	6	55	1		7,5	1			9,5	11	4	26	3	3,5		1,42
1836	36,37	27,34	58	8	50			10	,5	,5	1	18	10,5	19,5	1,5	3,5			2,58
1837	34,88	33,61	67	7	60			4,5	10,5	1	,5	1	12,5	7,5	22,5	3,5	3		1,15
1838	38,48	20,94	54	—10	64	,5		,5	9,5	,5	1	18	9,5	20,5	5	4,5	,5		3,42
1839	32,89	29,16	52	7	45			2	9		1	17	6,5	23,5	2,5	2			1,70
1840	40,00	28,60	63	19	44	1		8	2	1,5	6	11,5	11,5	18,5	2	3			1,63
1841	35,89	26,67	66	11	55			2,5	4,5	1	2,5	6	13,5	6,5	23,5	5	5		2,00
1842	38,07	23,34	58	2	56			4	9,5			6,5	10	11	19	3	7	1	2,72
1843	26,39	31,18	43	12	31			7	3,5		,5	15,5	3,5	7	23	5	7	2	4,59
1844	37,90	26,57	51	4	47	2		11	1,5		,5	14	1	9,5	20,5	3	5		2,00
1845	39,20	33,13	36	—12	48		,5	9,5			,5	15	4,5	6,5	23,5	6	6	3	3,84
1847	42,42	33,36	64	—4	68			9	3			11	9	11,5	18,5	7	3		2,26
1848	30,00	31,84	50	2	48			1	11	1	1	5,5	10,5	11	19	8			,40
1849	44,36	39,50	58	23	35	,5	2	5,5	7		1	10,5	3,5	10	20	11	4		4,22
Mean.	38,65	30,20				,42	,21	4,42	5,45	,47	,87	7,27	10,89	8,29	21,71				2,46
Total.						8	4	84	103,5	9	16,5	138	207	157,5	412,5				41,85

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain.
	First Half.	Second Half.																	
1827	29,63	20,40	44	—	2,46		4,5	3	4,5		,5	7	11,5	4,5	26,5	3	2	1	,00
1828	34,53	26,86	52	—	2,54	,5	,5	4,5	1	2,5	4,5	14	3,5	9,5	21,5			1	
1831	14,90	11,81	29	—	11,40			2,5	1		,5	6	21	3,5	27,5		11		1,25
1832	23,49	20,45	42	—	3,45				7	,5	1,5	3	19	9	22	7			1,80
1833	23,89	28,13	36	—	0,36		,5	2	9		,5	4,5	14,5	2,5	28,5	,5			
1835	15,63	17,24	44	—	26,70			8	3,5			5,5	14	3	28	3	9		,81
1836	27,13	17,20	47	—	9,56				11,5	,5	4	1,5	14	11,5	19,5	1,5	3	,5	1,74
1837	26,06	20,50	47	—	12,59			3,5	9		,5	,5	17,5	7,5	23,5	3	3		1,60
1838	21,57	15,20	34	—	4,41			,5	10,5	,5	2	1	16,5	12	19		6	,5	,33
1839	31,15	24,16	49	—	1,48			2	10,5	,5	1	1,5	15,5	7	24	1	5		1,25
1840	24,12	16,55	38	—	11,49		,5	2	3,5	1	1	13	10	5	26	1	8		1,04
1841	32,16	18,25	44	—	8,52	,5	1	7,5	4,5		3	7	7,5	5,5	25,5	4	8	2	3,60
1842	23,38	19,05	45	—	1,44	1		7	1,5		1,5	7	13	5	26	1	14		4,05
1843	22,01	28,65	44	—	11,55			3,5	9,5			14	4	1,5	29,5	3	8		2,13
1844	26,58	21,41	48	—	1,47			8	2,5	,5	,5	16	3,5	7	24	4	8		2,12
1845	15,31	19,96	36	—	12,48			11	,5			13,5	6	6,5	24,5		11		5,97
1847	35,38	21,46	60	—	9,69			11	4		1	15		4,5	26,5	7	7		6,42
1848	32,93	24,50	59	—	3,62		,5		12		2	9	7	5	26	6	10		9,91
1849	22,78	21,30	39	—	6,45		2	2	8	,5		10,5	8	3	28	2	17	1	2,60
Mean.	25,40	20,69				,10	,50	4,10	5,97	,34	1,27	7,87	10,85	5,95	25,05				2,74
Total.						2	9,5	78	113,5	6,5	24	149,5	206	113	476				46,62

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gauge, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.			Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gauge, Monthly mean.	
	First Half.	Second Half.												Mean direction.	Per cent.	Days.							
January, --	20,62	19,17	53	— 21	74	,39	,61	6,03	4,71	,59	,82	6,94	11,00	N 52° 15' W	18	5,57	9,05	21,95			2,69	45,81	
February, --	17,59	23,51	55	— 22	77	,37	,45	6,08	4,16	,39	,63	6,05	10,18	N 47° 22' W	20	5,98	9,58	18,74			1,79	32,52	
March, ---	26,18	33,00	70	— 3	78	,21	,47	6,47	4,63	,61	,61	7,02	10,95	N 68° 49' W	18	5,51	12,08	18,02			2,36	41,12	
April, ----	39,17	44,23	85	— 1	86	,18	,24	6,84	8,24	,37	1,16	8,52	9,45	N 62° 09' W	25	7,60	13,68	16,32			2,53	43,05	
May, -----	50,53	56,26	88	— 23	65	,24	,18	6,26	3,76	,74	1,03	10,03	8,76	N 88° 14' W	26	7,87	15,08	15,92			3,09	52,55	
June, -----	61,33	63,70	93	— 26	67	,21	,26	4,00	3,68	,71	2,11	10,76	8,24	N 82° 53' W	38	11,39	14,58	15,42			4,29	72,97	
July, -----	65,82	66,34	94	— 32	62	,26	,32	2,79	4,66	1,00	2,58	9,24	10,05	N 82° 55' W	40	12,06	16,53	14,47			4,21	71,60	
August, ----	65,29	65,94	96	— 30	66	,34	,10	3,71	6,47	,97	2,72	8,92	7,71	N 78° 44' W	27	8,08	16,13	14,57			3,59	61,17	
September, --	60,52	55,59	90	— 22	68	,21	,27	4,37	5,58	,74	1,65	8,79	8,29	N 57° 59' W	22	6,69	13,53	16,47			3,08	52,40	
October, ---	48,38	43,44	74	— 14	64	,29	,26	5,24	5,71	1,00	1,24	7,76	9,47	N 77° 52' W	21	6,28	12,16	13,91			2,56	60,58	
November, --	38,65	30,26	69	— 10	79	,42	,21	1,42	5,45	,47	,87	7,27	10,89	N 65° 06' W	26	7,90	8,29	21,71			2,36	41,85	
December, --	25,40	20,69	60	— 26	86	,10	,50	4,10	5,97	,34	1,27	7,87	10,85	N 71° 06' W	27	8,25	5,95	25,05			2,74	46,62	
Mean, ----	43,29	43,51				,27	,33	5,03	4,84	,62	1,39	8,27	9,99	N 71° 58' W	27	8,01	11,13	18,31			3,03	51,85	

Highest degree, August 23, 1838, - -
 Lowest degree, December 17, 1835, -
 Extreme range in 19 years, - -
 Greatest monthly range in December.
 Least monthly range in July.

96°
 —26
 —122

Mean monthly range, 72°.
 Driest month, February.
 Wettest month, June.
 Total fall of rain and snow in 17 years, 51 feet 10,24 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1827	10.82	22.61	29.09	46.57	53.07	61.35	66.20	64.75	57.84	46.62	38.16	25.01	48.18	89	-19	108	69	February 12,	June 13,		
1828	24.09	32.80	33.12	39.08	53.11	72.96	69.75	69.68	55.77	44.5	35.69	30.69	47.01	93	-14	107	68	January 22,	June 27,	October 27,	November 12.
1831	13.52	20.38	37.72	46.31	55.54	67.05	67.21	66.49	59.16	55.56	41.02	13.35	44.86	93	-20	118	70	December 22,	August 18,	September 4,	October 31.
1832	21.65	21.59	32.99	41.66	54.17	63.44	65.27	65.68	62.05	47.91	41.33	21.97	44.88	90	-16	103	68	January 23,	July 6,	September 1,	November 15.
1833	21.89	17.78	29.61	46.68	58.71	57.92	64.93	59.16	61.76	57.46	50.85	26.01	45.73	86	-12	98	62	January 24,	July 18,	September 1,	
1835	22.25	15.05	35.18	38.79	55.55	64.58	62.84	63.81	60.24	58.15	32.57	16.43	42.99	86	-26	112	74	December 16,	June 9,	September 6,	September 30.
1836	21.07	17.08	25.63	41.89	61.71	62.13	67.64	61.22	59.81	37.53	31.85	22.10	42.48	90	-22	112	66	February 2,	July 3,	September 2,	September 25.
1837	14.90	20.49	26.39	38.61	46.76	62.02	62.68	60.15	58.17	43.23	34.24	23.28	40.91	85	-15	100	64	February 13,	June 1,	September 4,	October 12.
1838	27.70	16.63	33.57	34.51	19.25	62.64	66.05	61.69	57.31	38.91	29.70	8.38	35.58	96	-16	112	69	January 30,	August 23,	September 3,	October 13.
1839	17.17	23.55	30.35	47.63	51.84	57.30	70.61	76.48	58.14	49.74	31.02	27.65	45.12	88	-20	108	64	January 23,	July 25,	August 29,	September 28.
1840	11.82	26.67	30.78	45.84	55.79	60.43	66.86	66.15	64.56	44.47	34.30	20.32	43.17	92	-17	109	66	January 1,	August 21,	September 25,	October 26.
1841	23.46	20.46	27.65	37.61	50.27	65.61	64.22	66.85	60.58	40.23	31.25	25.20	42.74	91	-9	100	64	January 8,	July 24,	October 2,	October 14.
1842	22.27	26.57	34.34	43.54	52.22	60.60	68.20	68.26	55.40	44.61	30.71	21.21	43.94	94	-8	102	77	January 22,	July 29,	September 20,	November 9.
1843	27.22	14.04	20.24	30.87	53.50	61.00	65.59	67.32	57.98	40.90	28.78	25.33	41.92	91	-11	102	56	February 7,	July 23,	September 11,	October 17.
1844	10.95	21.76	30.51	46.22	54.30	61.34	64.38	62.97	57.14	42.72	32.23	24.00	42.38	89	-17	106	65	January 27,	August 16,	September 23,	September 29.
1845	21.94	21.66	32.98	40.93	50.88	62.31	65.35	67.88	55.26	47.84	30.16	17.63	43.40	90	-17	107	69	February 1,	July 13,	September 12,	October 15.
1847	20.25	19.96	24.30	37.66	54.73	60.10	68.70	65.39	55.84	42.85	37.89	28.42	43.01	94	-9	103	73	February 23,	July 17,	September 15,	October 14.
1848	23.78	19.45	27.12	40.12	56.62	61.53	64.47	66.68	51.46	44.81	30.92	28.71	42.93	90	-18	108	71	January 11,	August 15,	September 6,	November 5.
1849	14.57	15.84	31.12	38.22	49.12	63.94	68.11	66.68	57.11	44.85	41.93	22.04	42.79	92	-18	110	63	January 11,	July 13,	October 2,	October 7.
Mean.	19.86	20.44	29.58	41.72	53.53	62.54	66.67	65.64	57.82	45.94	34.19	23.04	43.26								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1827	15.5	24	53.5	27.5	10.5	18.5	94.5	121	N 58° 47' W	39	129.78	148.5	216.5	37	16	4
1828	11.5	5	113.5	26.5	30	18.5	89.5	77.5	N 53° 32' W	5	20.64	117	249	105	26	5
1831	4	2.5	60	14.5	11	10	93.5	169.5	N 63° 07' W	51	185.90	153.5	211.5	49.5	39	5
1832	2.5	3	71	44.5	9	13.5	66	156.5	N 51° 19' W	28	104.89	147.5	218.5	57.5	25.5	3
1833	.5	1.5	30	59.5	5	17.5	53	198	N 58° 10' W	43	155.60	113	252	31.5	6.5	
1835	1.5	3	104	25	3.5	12.5	102	113.5	N 52° 08' W	21	87.77	118	247	46.5	38	1
1836	4	1.5	62	78.5	12	19.5	49.5	139	N 54° 00' W	10	37.28	121.5	244.5	51	42	1.5
1837		1.5	35.5	104.5	4.5	17.5	29	192.5	S 45° 53' W	4	14.58	72	293	46.5	21	
1838	2.5	1	26	101.5	4.5	17.5	18	194	N 53° 10' W	21	86.29	178	187	51	24	1.5
1839	.5	4	21.5	90	5.5	34	27.5	182	N 67° 10' W	27	100.12	140.5	224.5	56	18	1.5
1840	4.5	4.5	43.5	50.5	18	24.5	116.5	104	N 85° 20' W	38	125.43	152.5	213.5	67	31	2
1841	3.5	3.5	49	63	11.5	22	112	100.5	N 87° 21' W	28	102.09	165.5	199.5	55	37	7
1842	4	1	60.5	73	2	17.5	103.5	103.5	N 81° 08' W	21	77.14	155	210	73	44	8
1843		1.5	48.5	42.5	1	14.5	191.5	65.5	N 85° 49' W	48	176.65	160.5	204.5	62	42	3
1844	2.5	1.5	77.5	50	1.5	4	193.5	35.5	N 86° 06' W	39	129.00	167.5	198.5	72	33	6
1845	2	.5	103.5	19	6.5	13	156.5	64	N 78° 36' W	26	95.19	162.5	202.5	72	46	5
1847		6	105	45	4	14	136	55	S 86° 37' W	12	43.81	154.5	210.5	74	36	4
1848	1	1.5	51.5	78.5	3	17	152	61.5	S 74° 04' W	25	90.94	177	189	76	44	2
1849	1.5	9	32.5	114.5	6.5	9.5	120.5	71	N 78° 11' W	33	121.68	181	184	70	45	6
Mean.	2.18	4.00	60.45	58.00	7.87	16.58	100.24	116.00	N 73° 35' W	26	93.49	146.60	218.67			
Total.	41.5	76	1148.5	1102	149.5	315	1904.5	2204				2785.5	4155.5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1828	2.13	2.99	2.48	2.76	2.58	5.48	10.89	5.46	4.23	2.58	4.92	1.00	45.51	December.	July.
1831	1.54	1.10	1.52	1.89	1.80	3.40	8.18	2.90	2.10	1.24	1.39	1.55	23.73	February.	June.
1832	2.99	1.60	1.99	2.39	3.02	2.15	2.67	5.14	2.59	4.47	1.50	1.50	32.22	February.	August.
1835	1.52	3.25	1.63	1.63	1.10	6.33	4.65	6.79	3.01	4.63	1.42	1.51	36.17	December.	June.
1836	3.96	3.57	1.89	2.74	4.26	6.25	12.42	1.61	1.37	2.52	2.53	1.74	34.71	September.	June.
1837	1.53	1.34	3.22	1.10	2.92	5.10	3.85	3.17	2.75	5.74	1.15	1.60	32.55	February.	October.
1838	3.34	1.04	1.40	1.50	3.65	3.55	2.31	7.61	2.30	3.15	3.42	1.33	27.66	February.	August.
1839	3.45	1.78	1.90	2.10	3.55	5.55	5.70	1.85	3.00	3.55	1.70	1.25	29.55	October.	July.
1840	1.92	1.25	1.20	5.10	3.92	4.12	4.67	4.62	4.48	4.98	1.63	1.04	37.33	February.	April.
1841	5.10	1.01	3.33	3.70	1.53	3.81	3.57	2.62	3.44	1.41	2.00	3.60	35.49	February.	January.
1842	2.33	6.35	5.00	3.97	2.83	4.61	6.14	2.90	6.58	3.58	2.72	4.05	51.56	November.	September.
1843	2.68	1.96	2.57	2.68	1.07	4.45	4.41	3.81	2.06	4.47	4.59	2.13	36.31	February.	November.
1844	2.91	3.15	2.43	1.70	7.39	2.99	4.47	4.04	2.57	3.75	2.00	2.12	37.84	February.	May.
1845	4.11	3.39	2.43	3.23	3.54	4.30	2.19	3.94	3.24	2.31	3.84	5.97	40.00	February.	August.
1847	2.60	3.89	3.04	2.64	2.64	4.87	2.54	2.55	3.76	4.53	2.26	6.42	42.57	April.	December.
1848	2.41	1.21	4.24	2.73	3.00	2.20	6.40	2.71	2.66	2.30	4.40	9.91	40.51	November.	December.
1849	3.09	1.36	1.57	2.62	2.50	3.73	1.92	3.35	1.53	5.25	4.22	2.60	37.72	July.	October.
Mean.	2.69	1.79	2.36	2.53	3.09	4.29	4.21	3.65	3.08	3.56	2.46	2.74	36.61		
Total.	45.81	32.62	40.12	43.05	52.55	72.97	71.60	62.17	52.40	60.58	41.55	46.62	622.24		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1827	27	20	28	11	27	3	11	16	27	1	13	1	2	7	4	13	6	26	5	31	3	26	14	22
1828	5	22	7	12	29	4	30	7	30	7	26	9	24	2	24	18	1	9	8	16	4	16	3	30
1831	4	21	28	6	23	17	26	9	29	9	3	23	7	10	17	28	1	30	17	7	4	30	24	22
1832	16	26	2	24	24	13	4	13	28	16	5	6	13	6	25	20	13	6	25	4	15	9	20	
1833	6	23	22	28	19	2	1	14	18	30	16	21	18	4	8	17	8	12	26	11	12	8	1	13
1835	13	7	22	3	30	4	11	18	13	2	9	14	17	28	13	22	20	12	14	18	1	29	20	17
1836	5	28	22	2	27	3	25	10	12	13	29	21	8	26	28	30	13	28	1	25	11	25	9	30
1837	31	14	7	13	28	1	17	9	14	1	16	18	25	3	23	10	4	23	29	21	25	2	21	
1838	3	30	28	20	15	1	29	13	21	9	10	1	4	18	23	27	10	7	6	31	2	25	1	9
1839	11	23	14	6	27	3	6	22	21	4	8	12	28	13	22	29	4	27	9	14	14	26	1	31
1840	30	1	20	4	4	10	25	7	18	5	29	2	12	1	21	9	9	21	2	26	3	27	14	25
1841	7	3	27	11	26	15	25	12	24	3	29	18	24	3	17	24	3	30	31	26	1	28	10	21
1842	20	22	3	17	4	12	22	1	18	12	18	7	29	31	16	1	1	24	1	19	6	29	4	23
1843	21	3	25	7	28	2	26	1	14	1	22	1	23	3	13	21	3	28	6	26	18	14	22	13
1844	16	27	20	9	1	5	14	1	26	21	19	11	9	4	16	11	20	29	25	20	11	28	26	23
1845	23	31	21	1	31	21	24	8	12	8	8	25	13	4	8	31	2	22	3	22	1	28	18	12
1847	15	31	3	23	21	12	21	1	29	2	10	15	17	27	10	19	3	30	6	27	3	29	10	26
1848	1	11	23	11	31	16	23	3	19	1	18	1	20	2	15	19	8	16	16	11	1	10	19	23
1849	26	11	25	13	29	4	30	15	21	2	22	11	13	15	27	2	16	23	29	31	4	2	20	26

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1827	39	-14	50	-19	54	9	72	26	86	30	89	38	87	32	83	42	83	31	72	21	46	12	44	-2
1828	49	-14	55	-2	70	4	59	20	75	32	93	43	84	41	90	50	79	40	72	24	60	12	52	
1831	50	-20	52	-3	60	13	68	21	86	28	93	41	88	44	88	17	82	36	74	34	68	20	29	-11
1832	52	-16	43	-16	66	0	73	15	75	34	86	40	90	48	88	36	90	39	75	18	61	17	42	-3
1833	47	-12	45	-9	55	-7	80	20	81	41	70	34	86	40	73	39	72	47	70	28	69	29	56	6
1835	53	-21	44	-17	49	-6	66	10	81	28	84	41	84	45	86	42	78	39	72	44	61	6	44	-26
1836	34	-6	44	-22	54	10	70	19	85	37	85	46	90	48	85	39	87	30	64	14	58	8	47	-9
1837	52	-12	45	-15	45	-6	65	17	77	23	84	45	85	50	85	40	79	37	78	15	67	7	47	-12
1838	53	-16	35	-10	65	6	58	12	85	34	87	40	90	48	96	41	83	42	78	27	50	-10	31	-7
1839	44	-20	45	-3	55	0	79	21	73	27	79	36	88	55	85	30	83	29	75	19	52	7	40	1
1840	41	-17	52	-14	60	-4	82	19	85	30	92	35	90	43	92	46	81	31	70	23	63	19	38	-11
1841	44	-9	41	-4	50	-2	67	14	88	24	86	46	91	45	89	45	85	43	70	21	66	11	44	-8
1842	49	-8	52	-4	68	4	85	8	80	31	80	37	94	50	91	43	86	31	70	27	58	2	45	1
1843	49	-5	32	-9	44	-5	72	16	84	31	88	34	91	41	89	51	80	33	62	27	43	12	44	-11
1844	35	-17	45	-7	45	5	76	17	80	36	88	36	84	42	89	46	87	22	66	24	51	4	48	1
1845	40	-9	52	-17	68	9	71	16	83	25	87	38	87	45	90	44	79	32	68	19	62	10	36	-12
1847	39	-7	42	-8	50	2	72	-1	76	28	85	38	94	39	88	46	83	34	60	16	64	-4	60	-9
1848	50	-18	40	-10	63	-8	64	22	80	32	87	31	88	46	90	47	75	31	66	25	50	2	59	-3
1849	45	-18	47	-12	60	6	64	14	78	26	90	26	92	42	87	46	84	37	64	36	58	23	39	-6
Highest.	53		55		70		85		88		93		94		96		90		78		69		60	
Lowest.		-21		-22		-8		-1		23		26		32		50		22		14		-10		-26
Range.		74		77		78		86		65		67		62		66		68		64		79		86

SUMMARY OF OBSERVATIONS AT FARMERS' HALL,

GOSHEN, ORANGE COUNTY, N. Y., DURING 11 YEARS.

Latitude N. 41° 20'; Longitude W. 74° 11'. Elevation above tide, 425 feet, as ascertained by the recent railroad survey.

"The thermometer used was made by B. Pike N. Y., exposed to a full current of air, and not to reflected heat. The thermometer used for several of the first years, was broken. Latterly the thermometer was hung on the outside casing of a door. The evening observations usually taken at 9 P. M.

"The rain gage was kept elevated four feet from the ground, and was of the conical kind. Goshen village is situated in a valley, about three-quarters of a mile wide, running S. W. and N. E. The Walkill, a small river, runs N. W. about 4 miles. It is about 20 miles from the Hudson. No lakes, sandy plains, forests or mountains nearer than four or six miles. The surface is generally rolling, and the prevailing direction of the valleys from N. E. to S. W."—Dr. JOHN S. CRANE, *President of Trustees, in a letter to the Editor.*

OBSERVERS.

1835, NATHAN STARK, Principal.

1838, NATHANIEL WEBB, Principal, and others.

1839 to 1842, N. WEBB, Principal, and Dr. JOHN S. CRANE, Trustee.

1844, JOHN S. CRANE, Trustee.

1845, '6, HENRY FITCH, Principal.

1847, JOHN S. CRANE and N. WEBB, Trustees.

1849, JOHN S. CRANE, Trustee.

JANUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1835	8,79	34,34	49	-30	79	,5	3,5			5	14	5,5	2,5	21	10	3			3,30
1838	32,93	29,37	60	-8	52		2	1	3	3,5	10,5	3,5	7,5	15,5	15,5	6	4		2,60
1839	31,18	23,86	58	-9	67	5	5,5	5	1		8	6,5		20	11	4	2		2,60
1840	15,35	18,57	42	-18	60	2	5			1	4	17	2	18,5	12,5	3		1	4,75
1841	32,23	28,96	54	-18	72		11,5			3	9	5	2,5	14	17	5,5	5		
1842	26,19	31,62	54	-0	54	,5	3,5			,5	20	5	1,5	22,5	8,5		5	2	,90
1844	24,24	15,92	46	-8	54	1	14				5	3,5	7,5	22,5	8,5	3	4		
1845	29,84	27,40	47	-5	42	1,5	8		,5	1	6,5	10	3,5	17,5	13,5	6	4	1	
1846	30,43	23,02	46	-7	53	1,5	5,5		,5	,5	9	7		15	16	3	2	2	2,79
1847	30,20	23,70	56	-6	50	1,5	3,5			2	8	13,5	2,5	19	12	3	3		2,90
1849	18,04	28,48	52	-17	69		7		,5	,5	9,5	2,5	11	19	12	5			,90
Mean.	25,40	25,93				1,23	6,28	,55	,50	1,54	9,41	7,17	4,32	18,59	12,41				2,59
Total.						13,5	69	6	5,5	17	103,5	79	47,5	204,5	136,5				20,74

FEBRUARY.

1835	15,42	30,50	48	-5	53	2	4		,5	,5	9,5	10	1,5	16	12	1,5	,5	1	,95
1838	21,46	14,69	44	-2	42	2	4,5		,5	1,5	5	8,5	6	16,5	11,5		5		1,95
1839	24,68	36,73	52	-6	46	1,5	7,5	3,5	,5	,5	7,5	6,5	,5	14,5	13,5	5	2	1	3,35
1840	26,96	40,80	55	-4	69		6,5	1		1,5	12	6,5	1,5	16,5	12,5	6		1	2,66
1841	18,09	28,74	48	-16	64		4,5			2	10,5	9	2	21	7		1		
1842	36,84	32,67	60	-10	50		4,5			,5	13	6	4	19,5	8,5	4	4		3,41
1844	24,25	30,48	56	-4	60	,5	10	,5	,5	2	9	5	1,5	21	8		3		
1845	16,10	38,52	59	-5	64	3	5		,5	,5	6	8	5	15	13	4	4		
1846	26,59	19,68	45	-9	54	,5	9,5			,5	7	8	2,5	14,5	13,5		6		3,13
1847	28,00	25,13	50	-2	52	2	10			1	6,5	5	3,5	15	13	1	12		3,10
1849	21,94	21,58	52	-16	68	2,5	11,5			1	2,5	7	3,5	13	15	1	7		1,90
Mean.	23,66	29,04				1,27	7,04	,45	,23	1,04	8,04	7,23	2,86	16,59	11,59				2,55
Total.						14	77,5	5	2,5	11,5	88,5	79,5	31,5	182,5	127,5				20,45

OBSERVATIONS AT FARMERS' HALL.

117

MARCH.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1835	28,93	37,52	60	5	55	,5	4	1,5	1	3	12,5	6,5	2	22	9	,5	2		1,69
1838	32,73	37,42	52	12	40		9,5	3,5	2,5	1	10	1,5	3	17,5	13,5		9		3,60
1839	33,58	42,79	72	3	69	1	8	1	,5	3	3,5	10	4	24	7	5	2		2,25
1840	37,76	39,64	70	10	60	,5	6,5	2		2,5	7	4,5	8	18,5	12,5	3	3		2,50
1841	30,93	39,68	74	10	64	,5	13		1,5	2	6	8		21	10	2	5		
1842	41,82	41,58	72	16	56	1,5	6,5	1	,5		13,5	4	4	16,5	14,5	8	2		1,77
1844	36,70	34,72	61	16	45	1,5	13			1,5	7,5	5	2,5	15,5	15,5	9	4		
1845	38,99	40,89	78	13	65		3,5	,5	4	4,5	7	9,5	2	17,5	13,5	5	4	2	
1846	31,47	40,43	62	—5	67	1,5	5	1,5	1	2,5	10,5	1,5	7,5	19	12	6	1		3,64
1847	29,79	32,66	60	10	50	3,5	8,5	,5		2	3	6	8	19	12	8	6		3,00
1849	30,94	41,45	62	6	56		12	1	,5		7,5	7	3	16,5	14,5	6	2		2,40
Mean.	33,96	38,98				,95	8,12	1,13	1,03	2,00	8,00	5,77	4,00	18,82	12,18				2,61
Total.						10,5	89,5	12,5	11,5	22	88	63,5	44	207	134				20,85
APRIL.																			
1835	44,82	40,72	70	25	45	,5	3,5	2	1	6	13,5	2,5	1	18,5	11,5	2	1,5		3,42
1838	38,59	42,93	68	22	46		4		2,5	,5	11,5	2,5	9	19	11	5			,48
1839	50,56	52,34	77	24	53	11,5	4,5	2	,5	2,5	,5	7,5	1	22,5	7,5	3			1,60
1840	46,34	58,26	82	23	59	2		1	1	3,5	6,5	15	1	21	9	5			4,20
1841	41,28	50,98	69	25	44	1,5	8			3	8	4,5	5	15,5	14,5	9	2		
1842	47,90	52,07	79	23	56	,5	12	1,5	2	1,5	3	6,5	3	18	12	10			3,85
1844	51,24	52,91	79	14	65		11	,5	2	5,5	8,5	2,5		20,5	9,5	2			
1845	43,96	50,66	84	24	60	1	5,5	2,5	2,5	3,5	4,5	3,5	7	20	10	9			
1846	44,46	53,05	83	21	62	,5	4,5	3	2	2,5	11,5	5	1	19,5	10,5	7			1,10
1847	44,67	46,51	78	10	68	1	3		,5	2	11,5	7	5	25	5	3	1		,75
1849	44,46	43,24	68	20	48	1,5	2,5	2	3	2	7	2	10	21,5	8,5	4	1		1,00
Mean.	45,29	49,52				1,62	5,50	1,32	1,54	2,95	7,82	5,32	3,93	20,09	9,91				2,05
Total.						18	60,5	14,5	17	32,5	86	58,5	43	221	109				16,40
MAY.																			
1835	49,90	63,70	89	38	51	,5	2,5	,5	1	3,5	17,5	4	1,5	23	8	3,5			1,60
1838	48,53	58,45	80	40	40	,5	2,5	1,5	4	3,5	13	1,5	4,5	18,5	12,5	12			3,88
1839	54,41	60,41	98	33	65	2,5	2,5	2,5		5	2	14,5	2	21,5	9,5	7			2,55
1840	53,21	66,17	90	36	54	1	8		1	2,5	7,5	6,5	3,5	21,5	9,5	7		1	3,50
1841	48,01	63,21	86	32	54	,5	3	,5		7,5	8	6,5	5	21,5	9,5	4			
1842	51,86	54,61	74	31	43	,5	5		1	5,5	11	7,5	,5	18	13	11	1		3,90
1844	56,55	60,19	83	28	55		3	1	1	3,5	14,5	3,5	4,5	19,5	11,5	9			
1845	60,27	53,46	87	26	61	2,5	3	,5	,5	5,5	12,5	4	2,5	17	14	10			
1846	57,36	60,10	89	33	56	,5	6	8	1,5	5	4,5	3,5	2	13	18	14			4,81
1847	52,20	57,25	76	28	48			16,5	1,5		1	9,5	2,5	20,5	10,5	8			2,64
1849	51,19	57,28	79	34	45	,5	11	3	3	2	5	1,5	5	17	14	13			4,65
Mean.	53,04	59,53				,82	4,22	3,09	1,32	4,05	8,78	5,68	3,04	19,17	11,83				3,44
Total.						9	16,5	34	14,5	44,5	96,5	62,5	33,5	211	130				27,53

OBSERVATIONS AT FARMERS' HALL.

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1835	67,62	62,82	89	43	46	1		,5	2	3	12	8,5	3	21,5	8,5	4			3,32
1838	70,07	69,79	86	50	36	1,5	2,5	1	6	2,5	12	3,5	1	21,5	8,5	7			4,20
1839	61,79	62,24	85	46	39	3	3	1	2,5	3,5	8	7	2	15,5	14,5	7			3,60
1840	63,71	67,16	89	40	49	1,5	4	1,5		2,5	8,5	8,5	3,5	20,5	9,5	8			2,95
1841	67,46	67,76	89	49	40		4			5	14	6	1	20	10	5,5			
1842	56,75	63,36	82	36	46	,5	4	1		13	6	4,5	1	19	11	8			6,10
1844	61,09	67,84	83	42	41	2	5	1,5		4,5	10	3,5	3,5	22	8	6			
1845	68,04	63,13	94	39	55		2	1	1	4	14	4,5	3,5	20,5	9,5	12			
1846	65,28	64,86	85	41	44		6	4,5	,5	5,5	10	3,5		11	19	11			2,06
1847	60,96	65,54	88	42	46	1	1,5		2	6	9	7,5	3	10,5	19,5	11			2,20
1849	60,26	69,23	96	42	54		6	,5	3	6	8,5	2	4	21,5	8,5	6			1,70
Mean.	63,91	65,79				,96	3,46	1,13	1,55	5,04	10,18	5,36	2,32	18,50	11,50				3,27
Total.						10,5	38	12,5	17	55,5	112	59	25,5	203,5	126,5				26,13
JULY.																			
1835	69,39	69,54	88	48	40		1		1	5,5	17	5,5	1	23	8	4			2,59
1838	72,38	73,47	91	58	33	,5	4	1	2	3	13	3	4,5	22	9	9			1,85
1839	68,40	72,16	84	52	32	5,5		1	,5	5	17,5	1	,5	18,5	12,5	9			3,30
1840	69,06	71,54	92	52	40		5		1	4	8,5	8	4,5	24	7	5			1,83
1841	66,14	67,82	89	44	45		2	1,5		4	11	11	1,5	27	4	2			
1842	68,66	69,72	88	50	38	,5	6			6	15,5	2	1	21,5	9,5	6			4,00
1844	67,00	66,15	83	45	38	2,5	5,5	1,5	1	2,5	10	3,5	4,5	21,5	9,5	7			
1845	71,21	69,08	96	42	54	,5	2		1,5	5	12,5	6	3,5	22,5	8,5	7			
1846	71,31	55,85	95	42	53	,5	8	1	2	2	10	5	2,5	18	13	10			6,79
1847	70,15	70,14	92	45	47	2	7	,5	4,5	1,5	13	2,5		24	7	9			2,55
1849	68,19	66,03	93	44	49		8,5	1	3	2	11,5	2,5	2,5	23,5	7,5	1			,70
Mean.	69,26	68,32				1,09	4,45	,69	1,50	3,68	12,68	4,55	2,36	22,32	8,78				2,95
Total.						12	49	7,5	16,5	40,5	139,5	50	26	245,5	95,5				23,61
AUGUST.																			
1835	66,68	64,20	88	45	43		,5	2	2	3,5	11,5	10	1,5	22	9	3,5			1,54
1838	62,64	68,82	88	46	42	,5	1,5	,5	4	3	8	5	8,5	24	7	4			2,20
1839	65,36	67,76	82	52	30	,5	8,5	1	,5	2,5	13	3	2	14	17	6			3,90
1840	67,59	71,64	88	49	39	1		,5		5,5	9,5	13,5	1	23	8	7			2,21
1841	67,57	66,45	88	48	40	2	4,5	8		3	11,5	2		22,5	8,5	6			
1842	65,29	67,91	83	46	37		8	2,5	5,5	6	6,5	1,5	1	17,5	13,5	8			2,90
1844	65,67	63,24	80	48	32		2,5	1		3,5	15	3,5	5,5	23	8	7			
1845	71,03	70,57	89	45	44	,5	6	1	3	6,5	12	1,5	,5	20	11	9			
1846	71,49	67,28	91	36	55	,5	8,5	3	,5	5,5	9	3,5	,5	16	15	13			3,86
1847	69,30	64,88	84	46	38		6,5	,5	5	1	6,5	5,5	6	24	7	8			1,30
1849	64,56	68,74	84	50	34		4	2	1	8,5	9	1	5,5	22	9	7			3,40
Mean.	67,01	67,40				,45	4,59	2,00	1,96	4,41	10,14	4,54	2,91	20,73	10,27				2,66
Total.						5	50,5	22	21,5	48,5	111,5	50	32	228	113				21,31

SEPTEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1835	59,35	51,57	85	36	49	1,5	1	,5	2	4,5	11	8	1,5	21,5	8,5	2,5			1,36
1838	64,20	66,96	82	42	40	4,5	7	1	,5	3	6,5	5,5	2	20,5	9,5	6			4,80
1839	62,35	57,67	82	36	46	3	1,5	3,5	2,5	3,5	6	8	2	22,5	7,5	4			3,70
1840	60,57	55,73	77	38	39	1	2			3,5	5	13,5	5	24,5	5,5	5			2,03
1841	64,45	52,55	82	41	41	1	9	1	3	4	8	3	1	20,5	9,5	6			
1842	63,48	52,44	86	34	52		13	1	,5	,5	8	5,5	1,5	15	15	11			2,10
1844	61,60	54,62	80	32	48	1,5	7,5	1	3,5	3,5	5	5	3	25	5	4			
1845	61,01	57,56	81	32	49	,5	2,5	1,5	1,5	5	8	7,5	3,5	17	13	9			
1846	72,37	58,83	88	39	49	2	6	,5	,5	2,5	13	5,5		25,5	4,5	4			,35
1847	64,78	55,88	83	36	47	1,5	9	,5	1,5	4	3,5	4,5	5,5	18,5	11,5	11			6,20
1849	59,04	57,84	79	38	41	,5	8	1,5	2	2	6,5	2	7,5	25	5	3			1,80
Mean.	63,02	56,51				1,55	6,05	1,09	1,59	3,27	7,32	6,18	2,95	21,32	8,68				2,79
Total						17	66,5	12	17,5	36	80,5	68	32,5	235,5	94,5				22,34
OCTOBER.																			
1835	50,95	57,85	76	34	42	1,5			3	7,5	16		3	21,5	9,5	1,5			1,61
1838	51,90	41,30	70	32	38	,5	3,5	1,5	4,5	1	8	4	8	17,5	13,5	7			2,15
1839	55,50	52,95	76	20	56	1	9	2	,5	2,5	12,5	3,5		22,5	8,5	6			6,00
1840	56,10	39,66	74	20	54		8	1	,5	5	5,5	9	2	17,5	13,5	11			3,80
1841	46,89	42,87	69	21	48	2	7,5				10	10,5	1	20	11	3,5			
1842	46,78	45,79	68	24	44	3	4			1	11,5	9	2,5	27,5	3,5	5			1,50
1844	48,65	44,68	72	24	48	,5	6		1,5	,5	6,5	11,5	4,5	15,5	15,5	6			
1845	56,66	44,41	75	14	61	,5	5	2	3	2	11	4,5	3	22,5	8,5	7			
1846	53,77	46,08	82	24	58	,5	8,5	1	1	3,5	6	6	4,5	22,5	8,5	5			2,09
1847	49,61	45,77	70	20	50	1	6,5	1	,5	2,5	8	8	3,5	24	7	5			1,25
1849	48,66	48,47	68	30	38	1	8	2,5	,5	4,5	5	4	5,5	15,5	15,5	10			6,70
Mean.	51,49	46,34				1,04	6,00	1,00	1,37	2,73	9,09	6,37	3,41	20,59	10,41				3,13
Total.						11,5	66	11	15	30	100	70	37,5	226,5	114,5				25,10
NOVEMBER.																			
1835	45,85	33,78	78	14	64	1	4	1	,5	4,5	12	6,5	,5	13,5	16,5	2,5	1	1	1,69
1838	41,28	31,14	62	6	56	3	3,5	4	2	,5	13	4	4	19,5	10,5	4	,5		2,00
1839	39,11	31,35	60	7	53	2,5	6			3	5	6,5	7	20,5	9,5	4			1,00
1840	42,94	35,81	62	21	41	2	11,5				5,5	8,5	2,5	20,5	9,5	5			2,30
1841	39,37	32,95	68	17	51		8,5		,5	1	9	8,5	2,5	16	14	7	2		
1842	44,64	28,19	63	14	49		9				10	6,5	4,5	19,5	10,5	6	4		4,30
1844	41,48	34,13	59	20	39		5,5	1	1	1,5	9	2,5	9,5	19	11	4	1		
1845	44,17	37,62	69	7	62		5		1	1,5	14,5	5,5	2,5	16,5	13,5	9	1		
1846	49,13	37,35	66	18	48		13	4	2	1	3	6	1	11,5	18,5	10	1		5,25
1847	46,44	37,71	70	4	66	1,5	2			2,5	11,5	3,5	9	18,5	11,5	7			1,00
1849	47,24	43,69	66	20	46	1	10		1,5	1,5	2,5	8	5,5	15,5	14,5	5			1,20
Mean.	43,79	34,88				1,00	7,09	,90	,78	1,50	7,50	6,82	4,41	17,32	12,68				2,34
Total.						11	78	10	8,5	16,5	82,5	75	48,5	190,5	139,5				18,74

DECEMBER.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage
	First Half.	Second Half.																	
1835	23.14	23.81	40	-10.50	50	1,5	2	,5		4	13	7	3	12,5	18,5	3	2		2,55
1838	26.99	23.50	46	1.45	1	1	2	,5		1,5	5,5	17,5	3	19	12		4		1,10
1839	36.02	20.41	54	-10.64	18			,5				9	3,5	16,5	14,5	3	7	1	6,60
1840	28.58	27.92	50	3.47	6,5			,5		,5	7,5	11,5	4,5	21	10	1	4		3,55
1841	37.71	24.85	51	-5.56	3		7,5				10	7	3,5	14	17	7	6		
1842	29.89	25.47	45	6.39	7						6,5	15,5	2	17,5	13,5	4	3	1	3,40
1844	30.40	28.41	56	6.50	1,5	11		1			5,5	8,5	3,5	18	13	4	2		
1845	22.02	22.50	42	-7.49	,5	7,5				1	10	8	4	15,5	15,5	3	7	1	
1846	29.73	32.22	46	15.31	6			,5			6	11	7,5	18,5	12,5	6	7		2,20
1847	42.00	26.41	62	8.54	8,5					1,5	13,5	5	2,5	11,5	19,5	15	2		6,30
1849	30.47	29.42	45	1.44	1,5	5,5			,5		7,5	6	10	11	20	5	3		1,80
Mean.	30.63	25.90			,82	7,41	,27	,09	,78	7,73	9,63	4,27	15,90	15,10					3,44
Total.					9	81,5	3	1	8,5	85	106	47	175	166					27,50

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.				WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.					Rain gage, total fall.		
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.			Clear.	Cloudy.	Rain.	Snow.		Rain and snow.	Rain gage, Monthly mean.
	First Half.	Seco'd Half.												Mean direction.	Per cent.	Days.							
January, --	25.40	25.02	58	-30	88	1,28	6,28	,55	,50	1,54	9,41	7,17	4,32	N 50° 66' W	35	11,53	18,59	12,41				2,59	20,74
February, --	23.66	23.04	65	-16	81	1,27	7,04	,45	,23	1,04	8,04	7,28	2,86	N 41° 36' W	31	9,45	16,59	11,59				2,55	20,45
March, --	33.96	38.98	73	-5	83	,95	8,12	1,13	1,03	2,00	2,00	5,77	4,00	N 65° 17' W	24	7,82	18,82	12,18				2,61	20,85
April, ----	45.29	49.52	84	10	74	1,62	5,50	1,82	1,54	2,55	7,52	5,82	3,93	N 79° 45' W	25	7,46	20,09	9,91				2,65	16,40
May, -----	53.04	59.53	96	26	70	,82	4,22	3,09	1,32	4,05	8,78	5,62	3,04	N 53° 50' W	29	8,78	19,17	11,82				2,44	27,53
June, -----	63.91	65.79	96	30	66	,96	3,46	1,13	1,53	3,04	10,17	5,86	3,32	N 43° 57' W	34	10,26	18,20	11,50				2,37	26,13
July, -----	69.26	68.32	96	32	64	1,09	4,45	,69	1,30	3,68	12,68	4,55	3,36	N 36° 41' W	34	13,32	22,32	8,72				2,35	23,61
August, ----	67.01	67.49	91	36	55	1,45	4,59	2,00	1,96	4,41	10,14	4,55	3,41	N 36° 41' W	34	13,32	22,32	8,72				2,35	23,61
September, --	63.02	74.51	84	32	56	1,55	6,05	1,09	1,59	3,25	7,32	6,18	3,95	N 74° 35' W	24	7,15	21,82	8,15				2,39	22,34
October, ---	51.40	46.34	82	14	68	1,04	6,00	1,00	1,37	2,79	9,09	6,37	3,41	N 74° 35' W	31	9,26	20,50	10,41				2,13	25,10
November, --	33.79	34.88	78	4	74	1,00	7,09	,90	7,82	1,50	1,50	6,82	4,41	N 74° 35' W	30	8,96	17,82	12,68				2,34	18,74
December, --	30.63	25.90	63	-10	72	,82	7,41	,27	,09	,78	7,73	9,63	4,27	N 77° 26' W	43	12,91	15,90	15,10				2,44	27,50
Mean, ----	47.53	47.27				1,07	5,55	1,14	1,19	2,75	8,59	6,82	3,45	N 76° 17' W	29	9,15	19,16	11,28				2,51	22,60

Highest degree, May 20, 1839.

Lowest degree, January 7, 1835.

Extreme range in 11 years, 128°.

Greatest monthly range in January.

Least range in July.

Mean monthly range, 69½°.

Driest month, April.

Wettest month, May and December.

Total fall of rain and snow in 8 years, 22 feet 7,50 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. rain.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.										
1-35	21.56	22.98	33.22	42.77	56.80	61.22	69.46	65.41	75.40	81.40	89.81	93.47	59	91	-20	119	73	January 7.	June 13.	September 2.	November 30.	
1-38	31.09	32.53	43.19	40.76	53.45	69.93	71.57	70.35	85.88	86.76	91.51	92.96	91	91	-1	90	73	February 17.	August 10.	September 2.	November 15.	
1-39	21.40	30.30	40.33	51.45	57.99	62.10	70.28	66.25	80.01	83.69	85.25	81.85	93	93	-17	108	63	January 25.	July 21.	September 11.	December 15.	
1-40	17.65	35.60	53.32	61.45	62.36	67.65	70.34	69.65	84.15	87.62	89.57	85.66	93.51	93	93	-17	107	69	January 1.	July 17.	September 6.	December 6.
1-41	30.54	35.63	44.44	45.68	55.25	67.61	66.98	69.50	81.81	86.16	91.07	16,82	55	91	-17	107	72	January 4.	July 24.	October 7.	November 19.	
1-42	28.99	34.55	41.69	49.98	58.28	65.65	69.21	66.61	87.98	86.27	91.49	17,52	52	91	-17	108	63	January 24.	July 30.	October 6.	November 16.	
1-43	28.08	27.36	37.71	62.07	58.37	64.46	66.57	64.45	85.11	86.66	97.97	16,74	53	91	-17	108	63	January 27.	June 27.	September 27.	November 28.	
1-44	28.62	27.31	39.94	47.31	56.86	65.58	70.14	70.80	82.50	84.10	89.22	18,29	96	96	-1	103	65	February 1.	July 13.	September 27.	November 30.	
1-45	26.72	31.85	45.95	49.76	59.73	65.07	63.58	62.85	80.49	82.43	84.30	18,51	95	95	-1	103	67	February 26.	July 10.	October 4.	November 25.	
1-46	26.35	26.66	31.22	45.59	56.03	63.25	70.14	67.09	80.33	87.69	92.07	14,20	92	92	-12	91	65	January 12.	July 19.	October 12.	December 17.	
1-49	23.26	21.71	36.19	43.85	54.23	64.74	67.11	66.65	85.14	85.56	95.46	20,91	96	96	-17	113	49	January 11.	July 13.	October 9.	December 11.	
Mean.	25.65	26.31	36.54	47.41	56.22	64.73	63.69	67.61	79.76	84.28	88.78	28.01	97.56									

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Percent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1835	10,5	26	8,5	14	50,5	159,5	71	22	S 50° 47' W	58	213,68	236	129	31,5	7	2
1838	14	46,5	15,5	31,5	24	103,5	69	61	S 74 33 W	32	118,30	231	134	60	22,5	
1839	37,5	73,5	23	7	33	83,5	82	24,5	N 82 2 W	22	80,05	233	132	63	13	2
1840	9	65	7,5	3,5	33	87	122	39	S 84 35 W	43	155,84	247	119	66	14	3
1841	10,5	83	11	5	34,5	115	81	25	S 71 58 W	31	111,60	233	132	57,5	21	
1842	7	82,5	7	9,5	34,5	124,5	73,5	26,5	S 67 23 W	32	117,27	232	133	81	19	3
1844	11	94	9	10,5	28,5	105,5	57,5	50	N 89 7 W	23	84,59	243	123	61	14	
1845	10,5	55	9	19	40	118,5	72,5	40,5	S 64 26 W	38	137,06	221,5	143,5	90	20	4
1846	8	86,5	26,5	12	31	99,5	65,5	36	S 76 50 W	18	66,92	204	161	89	17	2
1847	17	77,5	5,5	17,5	28	98	69	52,5	S 89 58 W	26	102,76	230	135	92	21	
1849	8,5	94	13,5	18,5	30	82	45,5	73	N 67 48 W	18	67,02	221	144	66	13	
Mean.	13,04	71,22	12,36	13,45	33,36	106,95	73,86	40,90	S 76° 7' W	29	109,30	230,14	135,06			
Total.	143,5	783,5	136	148	367	1176,5	812,5	450				2531,5	1485,5			

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1835	2,90	.95	1,69	3,42	1,60	3,32	2,59	1,54	1,86	1,61	1,69	2,55	25,62	February.	April.
1838	2,60	1,95	3,60	1,48	3,83	4,20	1,85	2,20	4,40	2,15	2,00	1,10	30,81	April.	September.
1839	2,60	3,35	2,25	1,60	2,55	3,60	3,30	3,00	3,70	6,00	1,00	6,60	40,45	November.	December.
1840	4,75	2,66	2,50	4,20	3,50	2,95	1,83	2,21	3,03	3,80	3,55	37,28		July.	January.
1842	2,90	3,41	1,77	3,85	3,90	6,10	4,00	2,90	2,10	1,50	4,34	3,46	38,13	January.	June.
1846	2,79	3,13	3,64	1,10	4,81	2,06	6,79	3,86	35	2,09	5,25	2,20	38,07	September.	July.
1847	2,90	3,10	3,00	1,75	2,64	2,00	2,55	1,30	6,20	1,25	1,00	6,34	32,39	April.	December.
1849	1,99	1,99	2,40	1,00	4,65	1,70	1,70	3,40	1,80	6,70	1,20	1,80	28,15	July.	October.
Mean.	2,59	2,55	2,61	2,65	3,44	3,27	2,95	2,66	2,79	3,13	2,34	3,44	33,94		
Total.	20,74	20,45	20,85	16,40	27,53	26,13	23,61	21,31	22,34	25,10	18,74	27,50	271,50		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1835	15	7	22	7	16	13	11	18	19	14	13	21	24	1	15	31	6	30	19	25	4	30	26	16
1838	17	31	8	17	24	2	22	16	21	3	14	7	10	22	7	13	1	3	1	31	8	25	2	31
1839	12	23	23	6	27	3	11	1	20	30	21	16	21	6	26	14	9	30	10	20	15	26	4	31
1840	30	1	20	4	4	11	23	7	18	9	29	21	17	20	22	1	8	28	13	25	9	19	18	25
1841	7	4	26	12	27	16	25	10	24	3	30	18	23	7	10	6	11	16	31	25	1	29	11	26
1842	31	24	3	17	4	23	22	1	14	20	17	7	30	21	26	1	12	26	20	27	6	29	4	24
1844	13	27	29	1	26	31	14	1	26	22	27	11	19	4	2	29	13	29	10	30	11	28	7	29
1845	1	31	22	1	31	21	24	8	12	30	8	30	13	24	21	30	2	22	11	22	1	28	15	13
1846	2	19	5	26	25	1	24	13	26	11	5	23	10	15	5	25	5	28	8	18	3	26	31	15
1847	2	12	3	23	25	12	14	18	29	2	28	15	10	27	10	5	5	15	8	27	3	29	10	21
1849	14	11	28	16	30	4	4	15	22	6	22	8	13	21	5	1	17	10	17	31	4	1	20	26

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1835	49	-30	48	-5	60	5	70	25	89	38	89	43	88	48	88	45	85	36	76	34	78	14	44	-10
1838	60	8	44	2	52	12	68	22	80	40	86	50	91	58	88	46	82	42	70	32	62	6	46	1
1839	58	-9	52	6	72	3	77	24	98	33	85	46	84	52	82	52	82	36	76	20	60	7	54	-10
1840	42	-18	65	-4	70	10	82	23	90	36	89	40	92	52	88	49	77	38	74	20	62	21	50	3
1841	54	-18	48	-16	74	10	69	25	86	32	89	49	93	44	88	48	82	41	69	21	68	17	61	-5
1842	54	9	60	-10	72	16	79	23	74	31	82	36	83	50	83	46	86	34	68	24	63	14	45	6
1844	46	-8	56	-4	61	16	79	14	83	28	83	42	83	45	80	48	80	32	72	24	59	20	56	6
1845	47	5	59	-5	78	13	84	24	87	26	94	39	96	42	89	45	81	32	75	14	69	7	42	-7
1846	47	-7	45	-9	62	-5	83	21	89	33	85	41	95	42	91	36	88	39	82	24	66	18	46	15
1847	56	6	50	-2	60	10	78	10	84	33	88	42	92	45	84	46	83	36	70	20	70	4	62	8
1849	52	-17	52	-16	62	6	68	20	74	34	96	42	93	44	84	50	79	38	68	86	66	20	45	1
Highest.	60		65		78		84		98		96		96		91		88		82		78		62	
Lowest.		-30		-16		-5		10		26		36		42		36		32		14		4		-10
Range.		90		81		83		74		72		60		54		55		56		68		74		72

SUMMARY OF OBSERVATIONS AT FRANKLIN ACADEMY,

MALONE, FRANKLIN COUNTY, N. Y., DURING THREE YEARS.

Latitude N. 44° 50'; Longitude W. 74° 23'. Elevation above tide, 703 feet.

OBSERVERS.

1839, LORENZO COBURN, Principal, and others.
1840, WERDEN REYNOLDS, Associate Principal.

1842, ELOS L. WINSLOW, Principal.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1839	27,10	15,75	48	—12	60	2,5	3		,5	8	4,5	7	5,5	9,5	21,5	3	10	1	2,30
1840	12,42	13,04	45	—24	69	2		1	2	4,5	12,5	6	3	11,5	19,5	1	10		1,85
1842	15,07	25,97	54	—22	76				2,5	4,5	10,5	9	4,5	13,5	17,5		9	4	1,04
Mean.	18,16	18,25				1,50	1,00	,33	1,67	5,67	9,17	7,33	4,33	11,50	19,50				1,73
Total.						4,5	3	1	5	17	27,5	22	13	34,5	58,5				5,19
FEBRUARY.																			
1839	17,00	33,67	46	—10	56	2	3		1,5	4,5	8	7,5	1,5	6,5	21,5	1	9	1	1,28
1840	25,98	32,00	68	—13	81	1,5	2		1	5	8,5	8,5	2,5	10	19	6	6	1	1,83
1842	28,44	19,80	57	—15	72	2,5		,5		3	6,5	12,5	3	7	21	1	6	4	3,57
Mean.	23,80	28,49				2,00	1,67	,17	,83	4,17	7,66	9,50	2,33	7,83	20,50				2,22
Total.						6	5	,5	2,5	12,5	23	28,5	7	23,5	61,5				6,68
MARCH.																			
1839	27,46	32,01	54	—15	53	1	3	,5	2	2,5	4,5	13	4,5	16	15	1	7	3	1,72
1840	27,27	34,19	57	—12	69	2	1,5	,5	3,5	2,5	8	5,5	7,5	10,5	20,5	6	4	1	1,41
1842	33,49	34,13	68	12	56	,5	4,5	,5	2,5	1,5	7,5	9,5	4,5	14,5	16,5	6	9		2,99
Mean.	29,42	33,44				1,17	3,00	,50	2,67	2,16	6,67	9,33	5,50	13,66	17,33				2,04
Total.						3,5	9	1,5	8	6,5	20	28	16,5	41	52				6,12

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1839	44,12	45,83	78	19	59	5,5	5,5	,5	,5	5,5	1,5	8,5	2,5	19	11	7	1		,84
1840	41,43	53,04	88	14	74		1		4	3	8	6	8	12	18	10	2	1	4,00
1842	39,91	46,13	87	11	76	2	5	2	3		6	6,5	5,5	15,5	14,5	5	1	2	1,28
Mean.	41,82	48,33				2,50	3,83	,83	2,50	2,83	5,17	7,00	5,33	15,50	14,50				2,04
Total.						7,5	11,5	2,5	7,5	8,5	15,5	21	16	46,5	43,5				6,12
MAY.																			
1839	47,13	54,44	76	25	51	2,5	2,5		,5	6	4,5	11	4	14	17	14		1	3,21
1840	49,45	67,37	88	33	55	1	8,5	,5	2	1	5	6	7	16	15	5	2	2	3,90
1842	46,98	52,69	74	29	45	1,5	3,5	1	,5	3	7,5	12	2	13	18	11	1		1,82
Mean.	47,85	58,16				1,67	4,83	,50	1,00	3,33	5,67	9,67	4,33	14,33	16,67				2,97
Total.						5	14,5	1,5	3	10	17	29	13	43	50				8,93
JUNE.																			
1839	54,13	58,36	83	34	49	1	4	1	2,5	2	1,5	10,5	7,5	11,5	18,5	15			3,59
1840	62,04	67,58	89	42	47	,5	1,5		2,5	5,5	8	6,5	5,5	12	18	12			2,47
1842	56,45	22,79	86	31	55	1	1			4	9,5	11	3,5	15	15	13			4,10
Mean.	57,54	49,57				,83	2,17	,33	1,67	3,83	6,33	9,33	5,50	12,83	17,17				3,38
Total.						2,5	6,5	1	5	11,5	19	28	16,5	38,5	51,5				10,16
JULY.																			
1839	63,37	67,45	88	49	39	3		1,5	1,5	5	5	13,5	1,5	11	20	13			3,85
1840	69,82	72,08	94	50	44		3		1	4,5	6	11	5,5	18	13	9			2,72
1842	63,88	64,82	90	38	52	1,5	,5			1	6,5	16	5,5	16,5	14,5	8			5,11
Mean.	65,69	68,12				1,50	1,17	,50	,83	3,50	5,83	13,50	4,17	15,17	15,83				3,89
Total.						4,5	3,5	1,5	2,5	10,5	17,5	40,5	12,5	45,5	47,5				11,68
AUGUST.																			
1839	62,07	60,98	88	40	48	4,5	3,5	3	1	5,5	1,5	10	2	18	13	9			,96
1840	66,93	72,72	94	49	45	,5	,5	,5	2	3	13	8,5	3	11	20	10			2,36
1842	64,20	65,80	84	42	42	3	9,5	1,5	,5	,5	4	10	2	19,5	11,5	6			1,39
Mean.	64,40	63,16				2,67	4,50	1,67	1,16	3,00	6,17	9,50	2,33	16,16	14,84				1,57
Total.						8	13,5	5	3,5	9	18,5	28,5	7	48,5	44,5				4,71
SEPTEMBER.																			
1839	58,41	51,49	78	32	46	2		,5	1	7	5,5	12,5	1,5	11,5	18,5	15		1	1,53
1840	59,70	56,08	79	36	43	1	2,5		1	1,5	11	7,5	5,5	14,5	15,5	11			3,78
1842	57,02	48,34	84	23	61	,5	3	,5	1	1	8,5	13	2,5	11	19	10		1	2,95
Mean.	58,37	51,97				1,17	1,83	,33	1,00	3,17	8,33	11,00	3,17	12,33	17,67				2,75
Total.						3,5	5,5	1	3	9,5	25	33	9,5	37	53				8,26

OCTOBER																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1839	47,65	48,89	74	20	54	2	3	2,5	,5	4	7,5	8,5	3	17	14	8	1	1	1,25
1840	51,63	45,66	74	25	49	2	5,5		3	2	8,5	5,5	4,5	13,5	17,5	10	1		4,19
1842	47,54	40,14	70	22	98	1	2,5		1,5	1	5,5	16,5	3	13,5	17,5	8		1	3,32
Mean.	48,94	44,89				1,66	3,67	,86	1,66	2,33	7,16	10,16	3,50	14,67	16,33				2,92
Total.						5	11	2,5	5	7	21,5	30,5	10,5	44	49				8,76
NOVEMBER																			
1839	35,12	31,38	51	10	41	1,5	2,5		1	6,5	4,5	10,5	3,5	5,5	24,5	3	9	3	,75
1840	41,79	28,97	64	19	45	2,5	6		,5	1	12	7,5	,5	5,5	24,5	6	12		2,20
1842	35,02	24,84	59	6	53		3,5	3	1,5	2	4	13	3	8,5	21,5	4	3	2	1,37
Mean.	37,31	28,39				1,33	4,00	1,00	1,00	3,17	6,83	10,33	2,33	6,50	23,50				1,44
Total.						4	12	3	3	9,5	20,5	31	7	19,5	70,5				4,32
DECEMBER.																			
1839	33,80	19,95	45	5	40	2	6,5	1,5	3	4	2	10	2	8,5	22,5	2	9	1	1,07
1840	22,76	13,53	44	—14	58	3,5	2	,5	,5	3,5	7	10,5	3,5	6,5	24,5	2	8	2	2,34
1842	21,51	15,79	44	—14	58	1,5	2,5		,5	2	8	10	6,5	5,5	25,5	1	13		2,87
Mean.	26,02	16,42				2,33	3,67	,66	1,33	3,17	5,67	10,17	4,00	6,86	24,14				2,09
Total.						7	11	2	4	9,5	17	30,5	12	20,5	72,5				6,28

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.	
	First Half.	Seco'd Half.																					
January,--	18,16	18,25	54	—24	78	1,50	1,00	,33	1,67	5,67	9,17	7,33	4,33	61° 15' W	56	16,70	11,50	19,50				1,73	5,19
February,--	23,80	23,49	63	—15	83	2,00	1,67	,17	,53	4,17	7,66	9,50	2,33	70° 02' W	52	15,58	7,83	20,50				2,22	6,63
March, ---	29,42	33,44	68	—12	86	1,17	3,00	,50	2,67	2,16	6,67	9,33	5,50	83° 12' W	45	18,50	13,67	17,33				2,04	6,12
April, ----	41,82	43,33	68	11	77	2,50	3,83	,83	2,50	2,83	5,17	7,00	5,33	66° 36' W	40	12,18	15,50	14,56				2,04	6,12
May, -----	47,85	53,16	83	25	63	1,67	4,83	,50	1,00	3,83	5,67	9,67	4,33	51° 07' W	52	15,55	14,33	16,67				2,97	8,93
June, -----	57,54	49,57	89	31	53	,83	2,17	,33	1,67	3,83	6,33	9,33	4,17	77° 32' W	50	15,61	12,83	17,17				3,38	10,16
July, -----	65,69	68,12	94	38	56	1,50	1,17	,50	,83	3,50	5,83	13,50	5,50	84° 03' W	65	19,62	15,17	15,83				3,69	16,65
August, ----	64,40	63,16	94	40	59	2,67	4,50	1,67	1,16	3,00	6,17	9,50	2,33	86° 00' W	83	9,89	16,16	14,64				1,57	4,71
September, --	58,37	51,97	84	23	61	1,17	1,83	,33	1,00	3,17	8,33	11,00	3,16	73° 10' W	58	17,54	12,83	17,67				2,75	8,26
October, ---	48,94	44,89	74	20	54	1,66	3,67	,86	1,66	2,33	7,16	10,16	3,50	87° 53' W	36	10,86	14,67	16,33				2,92	8,76
November, --	37,31	28,39	64	6	58	1,33	4,00	1,00	1,00	3,17	6,83	19,33	2,33	76° 56' W	42	12,58	6,50	23,50				1,44	4,32
December, --	26,02	16,42	45	—14	59	2,33	3,67	,66	1,33	3,17	5,67	10,17	4,00	85° 24' W	43	12,80	6,66	24,14				2,09	6,28
Mean.	43,28	42,43				1,69	2,94	,63	1,44	3,35	6,71	9,73	4,01	85° 57' W	45	13,59	12,28	13,16				2,42	7,68

Highest degree, July 17, 1840, and August 22, 1840 - - - - 94°
 Lowest degree, January 16, 1840, - - - - -24
 Extreme range in 3 years, - - - - - 118
 Greatest monthly range in February.
 Least monthly range in August and October.

Mean monthly range, 65°.
 Driest month, November.
 Wettest month, July.
 Total fall of rain and snow in 3 years, 7 feet 8,21 inches.

OBSERVATIONS AT FRANKLIN ACADEMY.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1839	21.42	25.33	29.73	44.97	50.78	56.24	65.41	61.52	54.95	48.27	33.25	26.57	43.22	88	-12	100	60	January 23,	July 25,	August 29,	September 27.
1840	22.78	23.99	30.73	47.23	55.41	64.81	70.95	69.82	67.89	48.64	35.38	18.14	45.31	84	-24	118	41	January 16,	August 22,	September 12,	October 25.
1842	20.52	24.12	33.81	43.02	49.58	59.12	64.85	65.00	52.68	43.84	29.93	15.65	42.11	57	-22	109	76	January 23,	July 23,	September 10,	September 22.
Mean.	21.54	26.14	31.42	45.07	53.00	60.22	66.90	65.44	55.17	46.91	32.56	31.22	43.54								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1839	29,5	36,5	11	15,5	60,5	50,5	122,6	39	S 80° 4' W	38	140,14	148	217	91	46	12
1840	16,5	34	3	23	37	107	89	56	S 73 10 W	46	168,18	141	225	88	45	6
1842	15	35,5	9	13,5	23,5	84	139	45,5	S 83 48 W	51	188,01	153	212	73	42	14
Mean.	20,33	35,33	7,66	17,66	40,00	80,50	116,86	46,83	S 78° 31' W	42	154,89	147,66	218			
Total.	61	103	23	52	120	241,5	350,5	140,5				442	654			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1839	2,30	1,23	1,72	,84	8,21	8,59	3,85	,96	1,53	1,95	,75	1,07	22,35	November.	July.
1840	1,85	1,83	1,41	4,00	8,90	2,47	2,72	2,36	3,78	4,19	2,20	2,34	53,05	March.	October.
1842	1,04	3,57	2,99	1,23	1,82	4,10	5,11	1,39	2,95	3,32	1,57	2,87	31,81	January.	July.
Mean.	1,73	2,23	2,04	2,04	2,97	3,88	3,89	1,57	2,75	2,92	1,44	2,09	29,07		
Total.	5,19	6,63	6,12	6,12	8,93	10,16	11,63	4,71	8,26	8,76	4,32	6,28	87,21		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1839	11	23	15	9	13	3	23	20	24	7	27	13	25	4	21	31	8	30	26	20	14	26	8	31
1840	30	16	19	4	4	11	17	7	17	5	29	7	17	2	22	8	26	21	2	16	3	21	9	25
1842	19	23	3	17	4	11	22	1	18	9	18	6	23	31	26	1	1	23	1	30	6	28	4	23

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1839	48	-12	46	-10	54	1	78	19	76	25	83	34	88	49	88	40	78	32	74	20	51	10	45	5
1840	45	-24	68	-13	57	-12	88	14	88	33	89	92	94	50	94	49	79	36	74	25	64	19	44	-14
1842	54	-22	57	-15	68	12	87	11	74	29	86	31	90	38	84	42	84	23	70	22	59	6	45	-14
Highest.	54		68		68		88		88		89		94		94		84		74		64		45	
Lowest.		-24		-15		-12		11		25		31		38		40		23		20		6		-14
Range.		78		83		80		77		63		58		56		54		61		54		58		59

SUMMARY OF OBSERVATIONS AT FRANKLIN ACADEMY,

PRATTSBURGH, STEUBEN COUNTY, N. Y., DURING TEN YEARS.

Latitude N. 42° 34'; Longitude W. 77° 20'. Elevation above tide, 1494 feet. On a branch of the Chemung river, elevated above Crooked lake 776 feet.

OBSERVERS.

1829, ELY EDDY, ROBERT PORTER and SEYMOUR GOOKIN.
1830, SEYMOUR GOOKIN, Principal, and A. H. STORRS.

1839, to 1845 inclusive, FLAVEL S. GAYLORD, Principal.
1846, CURTIS C. BALDWIN, late Principal

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	18,65	22,48	49	— 4	53	8	,5			2,5	8	4,5	7,5	6	25	1	8		2,10
1830	25,85	14,38	48	— 7	55	2				3	9,5	11,5	5	18	13	1	11		1,73
1839	28,53	14,98	52	— 18	70	,5	,5			1	12,5	3,5	13	15,5	15,5	2	6		3,09
1840	16,41	21,04	46	— 14	60					1	4,5	12	13,5	16,5	14,5	2	4		2,10
1841	24,95	28,25	50	— 19	69	,5	2		2	3,5	12	5,5	5,5	10,5	20,5	1,5	4,5		2,60
1842	23,66	30,51	55	— 9	64					3,5	5,5	10	12	20	11	1,5	2,5		1,35
1843	29,62	34,71	56	— 8	48			1		12	8		10	13,5	17,5	1	3		1,10
1844	24,08	14,75	42	— 8	50	2,5	2		1	5,5	,5	,5	19	9,5	21,5		6,5		1,26
1845	30,95	28,47	52	— 2	54	1,5			2,5	7,5	4	3	12,5	12	19	2	4	1	2,35
1846	31,39	26,20	50	— 4	54	2,5	2			8,5	2	14	2	11	20	2,5	3		
Mean	25,41	23,58				1,70	,70	,10	,55	4,80	6,65	6,45	10,50	13,25	17,75				1,96
Total.						17,5	7	1	5,5	48	66,5	64,5	100	132,5	177,5				17,68
FEBRUARY.																			
1829	12,27	11,98	49	— 14	63	3	,5			1,5	6	7	10	8,5	19,5		2		1,05
1830	16,90	32,68	54	— 2	52	2,5				,5	9,5	6	9,5	21,5	6,5		3		,78
1839	19,90	34,27	60	— 10	70	1,5	,5		,5	1,5	7,5	9	7,5	18	10	3	4		1,68
1840	27,24	38,04	58	— 0	58				1	5	6	5,5	11,5	13	16	5	2		2,20
1841	20,34	25,96	46	— 5	51					2	2,5	4	19,5	17,5	10,5		2,5		1,10
1842	33,52	25,42	58	— 2	56			,5		9	3	4	11,5	12,5	15,5	2	2,5	1	1,80
1843	18,18	17,84	50	— 10	60		2			5,5	4	1,5	15	14	14		4		3,75
1844	23,04	31,66	50	— 10	60	2	2	,5		15,5	,5		8,5	13	16		5,5		1,17
1845	18,76	40,06	60	— 6	66	,5		1	,5	14		1	11	11,5	16,5	6	3		2,85
1846	25,82	19,87	50	— 5	55			,5	2,5	1	2	5	17	23	5		4,5		
Mean	21,60	27,78				,95	,50	,25	,45	5,55	4,10	4,30	12,10	15,25	12,95				1,82
Total.						9,5	5	2,5	4,5	55,5	41	43	121	152,5	129,5				16,38

MARCH.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1829	29,46	29,69	62	0	62	2					8	4,5	16,5	11,5	19,5	1	2		1,42
1830	28,94	38,44	64	4	60	7,5	5			7,5	4,5	5	6	19	12	3	5		2,67
1839	25,33	35,14	72	8	80	1	2,5			4,5	7,5	4	11,5	11	20	4	4		1,55
1840	35,21	35,13	67	10	57	6		2	2	2,5	1	8,5	9	16,5	14,5	4	4,5		3,30
1841	27,88	37,47	70	4	74	,5	1		3	1	1	9,5	15	19	12	1,5	3		3,05
1842	37,65	35,29	66	4	62		1			11	2		17	14	17	4,5	3		5,50
1843	21,79	24,81	49	3	46					10	2	3	16	11,5	19,5		6,5		1,50
1844	38,46	31,45	58	10	48	2	,5	,5		13			15	12	19	3,5	3		1,00
1845	38,66	38,97	76	6	70			,5		12	3	1,5	14	13	18	1	10	1	1,75
1846	33,13	38,73	60	0	60				1	,5	7,5	13,5	8,5	26	5	4	1		
Mean.	31,65	37,51				1,90	,55	,30	,60	6,20	3,65	4,95	12,85	15,35	15,65				2,41
Total.						19	5,5	3	6	62	36,5	49,5	128,5	153,5	156,5				21,74
APRIL.																			
1829	41,89	47,86	75	28	47	4				5	2,5	11	7,5	12	18	7			1,39
1830	44,83	52,59	82	26	56	3,5	8,5	,5	2,5	5	1	5,5	3,5	19,5	10,5	8			1,96
1839	47,51	46,93	80	22	58	5,5	4		4	3	2	2,5	9	17,5	12,5	5			2,00
1840	40,64	57,42	78	20	58		1	,5	,5	4,5	7,5	7	9	22	8	6,5	,5		3,35
1841	34,24	44,66	80	15	65	1	3	1	1,5	4	2	5,5	12	12,5	17,5	4,5	2,5		4,10
1842	43,08	47,42	85	12	73	2,5	1	,5	2	4,5	1	1	17,5	17,5	12,5	7,5		1	3,75
1843	40,55	50,64	82	20	62	2,5	2		1	13	2		9,5	12,5	17,5	3,5	1,5	1	3,25
1844	53,42	50,77	86	4	82		1,5	,5		17	,5	3,5	7	20,5	9,5	4,5			,95
1845	38,55	55,37	83	20	63		1		6	10,5	1	,5	11	14	16	8			3,00
1846	43,38	54,13	76	28	48	1		2	1,5	6,5	4,5	5	9,5	21	9	3,5			
Mean.	42,81	50,78				2,00	2,20	,50	1,90	7,30	2,40	4,15	9,55	16,90	13,10				2,64
Total.						20	22	5	19	73	24	41,5	95,5	169	131				23,75
MAY.																			
1829	50,96	70,39	96	28	68	6,5	2,5	1		3,5	3	7	7,5	20	11	6			2,74
1830	54,43	50,28	80	27	53	4	,5	,5		10	1	13	2	24	7	6			4,44
1839	50,36	51,53	80	28	52	2	,5	,5	,5	3,5	2,5	6	15,5	17,5	13,5	9			4,90
1840			84	46	38	6	1	2,5	1,5	6	2,5	5	6,5	21,5	9,5	4,5		1	4,00
1841	42,35	60,00	95	20	75					8	2	3,5	17,5	20,5	10,5	3,5	,5		,95
1842	46,48	50,53	85	30	55		1,5			6	3,5	4	16	17,5	13,5	5,5			2,75
1843	51,75	49,91	86	30	56	4	,5	1		11,5			14	16	15	4	,5		1,30
1844	54,26	57,32	88	26	62	1,5		1	3	8,5	3	2,5	11,5	16,5	14,5	9,5			4,50
1845	55,04	51,49	92	28	64	8			2	9	2,5	3,5	6	20,5	10,5	9			2,75
1846	48,84	53,45	76	32	44				1	2,5	6	11	10,5	25,5	5,5	4,5			
Mean.	50,49	55,01				3,20	,65	,65	,80	6,85	2,60	5,55	10,70	19,95	11,05				3,15
Total.						92	6,5	6,5	8	68,5	26	55,5	107	199,5	110,5				28,33

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	68,74	61,51	95	42	53	5	,5	5		2	,5	4,5	12,5	18,5	11,5	8			3,61
1830	60,30	61,98	83	42	41	1,5	1			9	2,5	8	8	15	15	15			7,60
1839	56,41	59,58	84	36	48	1	2	1	,5	2	,5	5,5	17,5	15,5	14,5	12			5,87
1840	59,01	63,15	86	33	53	3		,5	3	3,5	2,5	3	14,5	18	12	4,5			4,80
1841	66,65	67,86	95	42	53		1	1	4,5	4	2,5	1	16	16,5	13,5	5			2,30
1842	49,83	63,84	84	30	54	1,5				11,5	4	5	8	15,5	14,5	8			3,70
1843	54,81	65,12	90	30	60	1	1			14	1	1	12	19,5	10,5	8,5			4,70
1844	58,29	66,59	90	32	58	2				16,5		4,5	7	21,5	8,5	3,5			1,40
1845	65,15	61,28	90	42	48	1,5			,5	7,5	4	4,5	12	18	12	9			2,40
1846	55,54	59,97	78	36	42			,5	2	2	4	13	8,5	23	7	4			
Mean.	59,47	63,09				1,65	,60	,75	1,05	7,20	2,15	5,00	11,60	18,10	11,90				4,04
Total.						16,5	6	7,5	10,5	72	21,5	50	116	181	119				36,38
JULY.																			
1829	63,67	68,46	90	48	42	2		3		4,5	3,5	10,5	7,5	17,5	13,5	7			3,91
1830	65,26	80,99	92	50	42	2,5	1,5			3,5	3,5	9,5	10,5	24	7	7			3,08
1839	63,42	71,21	94	44	50					,5	2	14	14,5	19	12	11			3,55
1840	64,84	67,01	94	36	58	1,5		3,5	1,5	1	5	3	15,5	24,5	6,5	4			3,85
1841	64,17	67,33	100	40	60	2,5	2,5	,5		6	1		18,5	24	7	1,5			1,50
1842	60,75	69,74	95	37	58	,5		1		6	3	3	17,5	21,5	9,5	6			3,10
1843	63,75	65,73	93	40	53	,5		1		6,5	3,5	3,5	16	26,5	4,5	4			2,65
1844	66,28	65,64	91	36	55	2,5	3	,5	1,5	12,5	3	3,5	4,5	19,5	11,5	9			8,12
1845	66,88	67,53	95	46	49	1,5			1	1	1,5	7	19	24	7	2			,15
1846	68,01	65,99	96	42	54				1,5	1,5	10	10,5	7,5	27,5	3,5	3,5			
Mean.	64,70	68,97				1,35	,70	,95	,55	4,30	3,60	6,45	13,10	22,80	8,20				3,32
Total.						13,5	7	9,5	5,5	43	36	64,5	131	228	82				29,91
AUGUST.																			
1829	70,66	63,59	93	43	50	2,5	,5	2			6,5	6,5	13	24	7	6			2,20
1830	65,77	63,53	90	38	52	2,5	,5			2	5	14	7	22,5	8,5	5			2,57
1839	61,89	61,58	88	34	54	1,5	4,5		5,5	2	2		17,5	21,5	9,5	5			3,30
1840	63,29	67,14	87	46	41	1			,5	4	7	8,5	10	17,5	13,5	7			3,24
1841	65,90	65,33	96	38	58	,5		1,5	,5	7	3		18,5	21,5	9,5	4,5			2,20
1842	67,48	69,95	88	45	43		1,5	1	2	5	3	5	13,5	22	9	4,5			3,50
1843	68,69	67,14	92	50	42		3	,5	,5	8,5	4	3	11,5	20,5	10,5	3			1,73
1844	64,24	61,89	92	40	52		1			4,5	5	7	13,5	20,5	10,5	6,5			2,25
1845	68,06	69,12	98	44	54	1,5	2	1,5	2	3	5,5	1	14,5	21	10	6			1,60
1846	72,82	67,66	94	54	50			1	4	1	6	10,5	8,5	22,5	8,5	4,5			
Mean.	66,88	65,69				,95	1,30	,75	1,50	3,50	4,70	5,55	12,75	21,35	9,65				2,51
Total.						9,5	13	7,5	15	35	47	55,5	127,5	213,5	96,5				22,50

SEPTEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow [Days.]	Rain gauge.
	First Half.	Second Half.																	
1829	53,58	52,13	76	26	50	1				3,5	4	7	14,5	14	16	12			2,56
1830	60,29	53,09	76	26	50	,5				11,5	8	6,5	3,5	15,5	14,5	9			2,23
1839	59,88	53,18	86	26	60	1	2,5		3	3	2,5	10,5	7,5	16,5	13,5	1			,14
1840	56,02	50,95	86	25	55	2,5			1	1,5	2,5	10,5	12	22	8	4,5			1,50
1841	62,90	58,22	86	35	51	1			,5	17	2		9,5	17,5	12,5	7			2,33
1842	60,69	47,09	84	30	54			2		6,5		6,5	15	17	13	8			6,00
1843	61,06	59,79	86	28	58	1			2	17,5	1	1,5	7	19,5	10,5	8			7,85
1844	64,02	51,16	85	28	57	3	,5	,5	,5	13	3,5	2	7	20	10	15			3,10
1845	58,37	54,59	82	32	50				1	9,5	6	4	9,5	14,5	15,5	13			3,50
1846	76,25	58,18	96	44	52				,5	2,5	9,5	7	10,5	26	4	3			
Mean.	61,31	53,84				1,00	,30	,25	,85	8,55	3,90	5,55	9,60	18,25	11,75				3,25
Total.						10	3	2,5	8,5	85,5	39	55,5	96	182,5	117,5				29,21
OCTOBER.																			
1829	49,41	47,23	71	21	50	4,5	,5	1	4	8	3	4	6	19,5	11,5	9			1,55
1830	50,52	46,73	74	26	48	4		1,5	1	14,5	2,5	5	2,5	20	11	8			1,70
1839	52,06	50,06	78	12	66	1			2,5	4	9	3,5	11	16	15	1			,75
1840	50,43	39,52	80	18	62		1,5		,5	2	,5	14	12,5	14,5	16,5	6	1		4,30
1841	45,44	38,39	70	18	52	4,5				6	5	1	14,5	17	14	3,5		2	1,78
1842	47,18	41,28	68	23	45					16	1	1	13	22,5	8,5	6		,5	3,05
1843	48,13	38,66	72	26	46	1	1	,5		17,5	1,5	,5	9	16	15	4	1	,5	4,80
1844	45,95	41,10	72	22	50	5,5		,5	1	12	2	3	7	16	15	4,5	2	1	2,60
1845	51,75	44,68	72	20	52	2			1,5	13	2	8	4,5	15	16	9			5,22
1846	47,11	43,50	62	32	30				,5	,5	8	7	15	19,5	11,5	4,5	,5		
Mean.	48,80	43,11				2,25	,30	,35	1,10	9,35	3,45	4,70	9,50	17,60	13,40				2,86
Total.						22,5	3	3,5	11	93,5	34,5	47	95	176	134				25,75
NOVEMBER.																			
1829	34,50	32,44	48	12	36			2	,5	5	9	12	1,5	13	17	7	3		2,36
1830	47,08	39,73	62	24	38	2,5	3,5	,5	1	11	4,5	4	3	11,5	18,5	5	4	2	3,92
1839	34,99	29,40	50	4	46			,5	2		5,5	7	15	7,5	22,5	3			1,90
1840	38,93	32,13	64	20	44		1,5	3	1,5	1	2	5,5	15,5	14,5	15,5	3,5	2,5		2,85
1841	38,51	27,35	72	2	70			3	4		,5	3	13,5	7	23	4	3	,5	2,45
1842	38,31	24,39	61	7	54				,5		1	4	9,5	12,5	17,5	1	4,5	1	2,35
1843	29,94	34,57	54	6	48	2,5				12,5	2	1,5	11,5	5	25	2,5	5,5	1	2,50
1844	40,92	32,55	60	14	46					14		2,5	13,5	18,5	11,5	3,5	2		1,70
1845	42,04	37,53	65	16	49	5			1	4	2	11	7	8	22	6	4		1,65
1846	34,42	35,26	44	28	16	,5	,5	,5	2		2,5	6	18	14,5	15,5		5,5		
Mean.	37,96	32,53				1,05	,85	1,00	1,20	6,30	3,15	5,65	10,80	11,20	18,80				2,41
Total.						10,5	8,5	10	12	63	31,5	56,5	108	112	188				21,68

DECEMBER.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	34,19	35,19	60	8	52	6		1,5	,5	3,5	8,5	8	3	18,5	12,5	2	3		1,27
1830	31,77	26,84	50	1	49	1,5			1	6	9	10,5	3	8,5	22,5	3	6	1	3,47
1839	32,99	22,16	51	1	50	3	5		3,5	2,5	3,5		13,5	8,5	22,5		5		2,50
1840	27,66	20,02	46	—1	47	1	1			1	5	10	13	11	20	3	6		3,35
1841	34,37	21,28	50	0	50			1		2	5,5	7	15,5	8	23	3	7		5,70
1842	28,94	24,61	44	8	36		,5			4	2	1	23,5	8	23		6,5		3,50
1843	28,84	33,53	42	0	42			,5		20	4,5	6		3	28	1,5	5		1,35
1844	30,79	27,67	58	4	54	3	2	,5	2,5	11	4	4	4	9,5	21,5	2	6,5		1,00
1845	20,62	23,04	40	0	40	6	,5			8	7	7,5	2	7	24		4		1,30
1846	29,35	30,82	54	18	36	2,5	,5		,5	3	4,5	4,5	15,5	13	18	1,5	7	1	
Mean.	29,95	26,52				2,30	,95	,35	,80	6,10	4,90	5,70	9,90	9,50	21,50				2,60
Total.						23	9,5	3,5	8	61	49	57	99	95	215				23,44

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Movable in.	
	First Half.	Second Half.																					
January.	25.41	23.54	56	—19	75	1.70	.70	.10	.55	4.50	6.65	6.45	10.50	N 86° 13' W	58	17.59	13.25	17.75			1.96	17.68	
February.	21.60	27.78	60	—14	74	1.95	.50	.25	.45	5.35	4.10	4.30	12.10	N 5° 57' W	49	14.86	15.25	12.95			1.85	16.78	
March.	31.65	36.51	76	—5	84	1.90	.55	.30	.60	6.20	3.65	4.95	12.85	N 42° 21' W	52	15.65	15.35	15.65			2.41	21.74	
April.	42.81	50.87	86	4	82	2.00	.20	.50	1.90	7.30	2.40	4.15	9.55	N 59° 49' W	51	9.20	16.90	13.10			2.64	23.75	
May.	45.45	49.49	96	29	76	3.20	.65	.65	.80	6.85	2.60	5.35	10.75	N 81° 34' W	46	13.74	19.95	11.05			3.15	25.83	
June.	59.47	63.09	95	30	65	1.65	.60	.75	1.05	7.20	2.15	5.00	11.6	N 86° 22' W	43	12.85	18.10	17.90			4.04	36.88	
July.	64.70	68.97	100	36	64	1.35	.70	.95	.55	4.30	3.60	6.45	13.10	N 72° 16' 43' W	56	16.85	22.80	8.20			3.32	29.91	
August.	66.88	65.69	98	34	64	.95	.70	.75	1.50	3.50	4.70	5.50	12.55	N 74° 44' W	51	15.36	21.35	9.65			2.51	22.59	
September.	61.31	53.54	96	28	71	1.00	.30	.25	.85	8.55	3.90	5.55	9.60	N 45° 14' 27' W	48	14.56	18.25	11.75			3.25	29.81	
October.	48.80	43.13	74	12	66	2.25	.30	.35	1.10	9.25	3.45	4.70	9.50	N 75° 12' W	42	12.75	17.60	13.40			2.41	25.75	
November.	37.96	32.53	72	—2	70	1.65	.85	1.00	1.20	6.30	3.15	5.65	10.8	N 69° 41' W	43	13.03	11.20	18.80			2.41	21.68	
December.	29.95	26.52	60	—1	61	2.30	.95	.75	.80	6.10	4.20	5.7	9.30	N 86° 17' W	48	11.58	9.50	21.50			2.60	23.44	
Mean.	44.70	44.99				1.90	.50	.52	.94	6.30	3.77	5.41	11.00	N 86° 17' W	47	14.19	16.62	13.82			2.75	24.78	

Highest degree, July 24, 1841. —

Lowest degree, January 3, 1841. —

Extreme range in 10 years. —

Greatest monthly range in March.

Least monthly range in December.

Mean monthly range, 71°.

Driest month, February.

Wettest month, June.

Total fall of rain and snow in 9 years, 24 feet 9,26 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. run.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1829	20,56	12,12	21,57	41	57	60,67	65,12	66,66	67,12	52,35	18,2	33,47	34,66	14,61	96	—14	110	68	February 14.	November 11.	
1830	20,11	24,79	31,69	48	71	52,35	61,14	73,12	61,65	56	60,48	62,43	40,29	30	16,32	99	—7	97	60	July 21.	November 8.
1839	21,44	26,54	33,39	47	22,50	97,58	00,67	24,61	41,56	20,51	02,81	81,84	27,10	35,81	91	—18	112	80	January 23.	September 18.	
1840	18,76	32,45	35,18	62	61,51	09,61	07,65	96,65	48,53	48,44	79,35	56,23	31	15,27	94	—14	108	60	January 16.	November 15.	
1841	26,60	23,15	31,67	39,45	51,17	67,25	65,75	65,62	64,56	41,91	82,98	27,82	44,49	100	—12	110	75	January 30.	October 2.		
1842	27,08	29,47	36,47	45,25	18,50	56,56	53,65	24,64	71,53	89,44	28,81	35,26	77	44,48	95	—9	104	73	July 21.	September 26.	
1843	32,16	18,01	23,30	15,50	50,8	59,96	64,24	67,91	60,42	43,39	32,25	31,18	44,10	93	—10	103	60	February 17.	September 28.		
1844	19,41	27,35	31,95	32,09	55,79	62,44	65,96	63,06	57,59	43,52	36,73	29,22	45,67	92	—10	102	82	January 27.	September 23.		
1845	29,71	29,41	38,81	16,96	53,26	63,21	67,20	68,59	56,48	48,21	39,78	21,82	46,95	98	—6	104	70	February 1.	October 16.		
1846	28,80	22,85	35,33	48,75	51,15	57,75	67,00	70,24	67,21	45,30	31,51	30,98	46,49	96	—5	101	60	February 26.	October 8.		
Mean.	24,47	24,21	32,99	16,15	52,75	61,27	66,78	65,88	57,51	45,92	35,21	25,22	40,43								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Percent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1829	43,5	5	21	6,5	35,5	59	90	104,5	N 77° 52' W	52	190,73	185	180	61	18	
1830	34,5	16	3	5,5	33,5	60,5	98,5	63,5	S 74 16 W	40	145,43	214	151	70	29	31
1839	18	22	2	22	25,5	57	65,5	153	N 71 32 W	52	190,69	184	181	56	19	
1840	21	6,5	11,5	13	33	46	92,5	142,5	N 75 53 W	58	211,58	211,5	154,5	54,5	20,5	1
1841	10,5	12,5	8	16	61	41,5	40	175,5	N 75 48 W	48	170,40	191,5	173,5	39,5	23	2,5
1842	4,5	5,5	5,5	4	98	29	44,5	179	N 86 48 W	48	176,12	200,5	164,5	54,5	19	3,5
1843	12,5	9,5	4,5	3,5	148,5	29	20	137,5	S 66 4 W	37	135,70	177,5	187,5	40	27	2,5
1844	21	12,5	4,5	9,5	143	22	33	117,5	S 66 8 W	33	122,02	197	169	51,5	25,5	2
1845	27,5	3,5	3	18	99	38,5	52,5	123	S 81 35 W	40	150,12	178,5	186,5	71	25	2
1846	6,5	3	4,5	17	29,5	66,5	107	131	N 87 4 W	63	228,80	252,5	112,5	35,5	21,5	1
Mean.	20,25	9,60	6,75	11,50	75,65	44,90	64,35	132,26	N 88° 18' W	46	167,97	199,20	166,00			
Total.	202,5	96	67,5	115	756,5	449	643,5	1322				1992	1660			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1829	2,10	1,05	1,42	1,89	2,74	3,61	3,91	2,20	2,56	1,55	2,56	1,27	26,16	February.	July.
1830	1,73	,79	2,67	1,96	4,44	7,60	3,03	2,57	2,23	1,70	3,92	3,47	36,15	February.	June.
1839	3,09	1,63	1,55	2,00	4,90	5,87	3,55	3,30	,14	,75	1,90	2,50	81,23	September.	June.
1840	2,10	2,20	3,80	3,35	4,00	4,80	3,85	3,24	1,50	4,40	2,85	3,85	33,84	September.	June.
1841	2,60	1,10	3,05	4,10	,95	2,30	1,50	2,20	2,34	1,73	2,45	5,70	30,06	May.	December.
1842	1,35	1,0	5,50	3,75	2,75	3,70	3,10	3,50	6,00	3,65	2,75	2,50	40,75	January.	September.
1843	1,10	3,75	1,50	3,25	1,30	4,70	2,65	1,73	7,85	4,30	2,50	1,35	36,48	January.	November.
1844	1,26	1,17	1,00	,95	4,50	1,40	8,12	2,25	3,10	2,60	1,70	1,00	29,64	April.	July.
1845	2,35	2,55	1,75	6,00	2,75	2,40	,15	1,60	3,50	5,22	1,65	1,80	24,52	July.	October.
Mean.	1,96	1,82	2,41	2,64	3,15	4,04	3,32	2,51	3,23	2,86	2,41	2,60	32,93		
Total.	17,65	16,38	21,74	23,75	25,33	36,38	29,91	22,59	29,21	25,75	21,68	23,44	296,83		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1829	6	3	8	23	29	18	29	6	31	1	7	30	22	12	15	19	25	27	18	21	17	20	7	17
1830	14	30	20	5	21	9	30	3	4	22	27	21	21	12	7	26	13	18	27	23	16	23	25	22
1839	11	23	28	6	28	3	6	8	21	3	30	1	30	5	24	31	9	30	27	20	14	26	7	29
1840	29	16	19	4	3	11	17	7	28	20	28	8	16	2	20	25	9	21	1	26	4	19	9	25
1841	7	3	28	11	26	17	24	10	22	2	7	3	24	3	18	24	3	30	31	25	1	29	9	22
1842	29	23	3	8	4	12	22	1	17	1	30	11	27	10	26	1	2	22	1	27	6	29	4	23
1843	21	3	26	17	31	2	22	1	15	31	27	1	1	20	7	22	3	27	6	31	23	14	16	12
1844	16	27	29	9	28	31	14	1	25	22	27	10	13	4	9	12	2	29	2	29	11	25	7	17
1845	28	31	25	1	30	19	24	8	11	30	8	17	21	24	7	31	3	21	10	21	9	28	14	11
1846	30	19	3	26	24	1	17	1	21	5	30	1	10	15	5	1	6	29	3	31	23	9	31	14

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1829	49	- 4	49	-14	62	0	75	28	96	28	95	42	90	48	93	43	76	26	71	21	48	12	60	8
1830	48	- 7	54	2	64	4	82	26	80	27	83	42	92	50	90	38	76	26	74	26	62	24	50	1
1839	52	-18	60	-10	72	- 8	80	22	80	28	84	36	94	44	88	34	86	26	78	12	50	4	51	1
1840	46	-19	58	0	67	10	78	20	84	46	86	33	94	36	87	46	80	25	80	18	64	20	46	- 1
1841	50	-19	46	- 5	70	- 4	80	15	95	20	95	42	100	40	96	38	86	35	70	18	72	2	50	0
1842	55	- 9	58	2	66	4	85	12	85	30	84	30	95	37	88	45	84	30	68	23	61	7	44	8
1843	56	8	50	-10	49	3	82	20	86	30	90	30	93	40	92	50	86	28	72	26	54	6	42	0
1844	42	- 8	50	-10	58	10	86	4	88	26	90	32	91	36	92	40	85	28	72	22	60	14	58	4
1845	52	- 2	60	- 6	76	6	83	20	92	28	90	42	95	46	98	44	82	32	72	20	65	16	40	0
1846	50	- 4	50	- 5	60	0	76	28	76	32	78	36	96	42	94	54	96	44	62	32	44	28	54	18
Highest.	56		60		76		86		96		95		100		98		96		78		72		60	
Lowest.		-19		-14		- 8	4		20		30		36		34		25		12		2		- 1	
Mean.		75		74		84	82		76		65		64		64		71		66		70		61	

SUMMARY OF OBSERVATIONS AT FREDONIA ACADEMY,

FREDONIA, CHAUTAUQUE COUNTY, N. Y., DURING EIGHTEEN YEARS.

Latitude N. 42° 26'; Longitude W. 79° 24'. On the east side of Canadaway creek, on a flat about 144 feet above Lake Erie, distant 2½ miles from the lake. On the southeast, the highlands of Chautauque are distant seven miles.

OBSERVERS.

1830, J. ADDISON EASTMAN, Principal.

1831, HENRY CHANEY and J. A. EASTMAN, Principals.

1832, HENRY CHANEY, Principal.

1834, DANIEL STEWART, JOHN CRANE and HENRY CHANEY.

1835, HENRY CHANEY, Principal.

1836 '7, HENRY CHANEY, Principal, and Miss ISABELLA J. CARYL

1838 to 1843, inclusive, CHARLES H. PALMER, Principal.

1844 to 1848, inclusive, F. A. REDINGTON, Principal.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	31,99	19,79	51	0 51	2				1,5	8,5	6	11	2	17,5	13,5		8	1	1,77
1831	27,38	18,52	61	5 56	3,5	6,5	1	1,5	1,5	1	1	12,5	4	9,5	21,5		7	1	1,05
1832	29,86	24,55	70	— 7 77	1	1,5		,5	6	3	14	3,5	1,5	13	18	1,5	4,5		2,03
1834	23,55	26,33	51	8 43	1			1,5		6,5	1,5	19,5	1	7	24	3	6		
1835	15,73	30,33	53	— 21 74		1		7,5	4		,5	4	14	10	21	3,5	3		,99
1836	32,72	20,42	42	5 37	1	1,5			6	4	4	8	6,5	6	25	5	12	1	1,87
1837	18,42	25,74	49	— 6 55	1	3,5	4	6,5	5,5	3,5	3,5	3,5	3,5	12,5	18,5		11		3,50
1838	37,40	29,13	66	11 55		3,5	,5	1	8,5	7	7,5	3	3	13,5	17,5	2,5	5,5		1,63
1839	33,85	21,01	55	— 4 59	3,5	,5	1	3,5	7,5	3	12			11	20	2,5	7		1,09
1840	24,42	21,94	44	0 44	2,5	1	1	1	4	7,5	13	1		6,5	24,5	4	10,5	,5	2,25
1841	28,56	30,31	52	0 52	,5	4	1	,5	6,5	8,5	10			7	24	4	8		
1842	30,52	37,32	58	16 42	1	3	2	2	6	7,5	5	4,5	15	16	4	4	4		2,17
1843	33,13	39,82	64	14 50	1	2,5	2	1	3,5	5,5	13,5	2	2	13,5	17,5	5	4		1,88
1844	29,35	20,17	43	4 39	5	3	,5	2	2,5	3	12	3	7	24	3	9			1,08
1845	34,56	34,69	52	14 38	3	6		1	7,5	3	9,5	1		6,5	24,5	5	3		2,51
1846	34,08	28,75	52	7 45	2,5	4,5	,5		8	6,5	8,5	,5	5	26	7	5	2		2,91
1847	31,35	24,41	58	6 52	2	1,5		,5	8	6,5	11	1,5	1,5	11,5	19,5	5	7		3,24
1848	31,69	38,36	63	10 53	,5	2	,5	1,5	6,5	7,5	9	3,5		5,5	25,5	6	6	2	3,43
Mean.	29,36	27,31				1,72	2,53	1,31	2,19	5,39	5,33	9,61	2,92	9,86	21,14				2,06
Total.						31	45,5	23,5	39,5	97	96	173	52,5	177,5	380,5				33,40

FEBRUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage
	First Half.	Second Half.																	
1830	19,45	34,35	52	—	9,61	1		,5	1	10	7,5	5	3	21	7		4		,70
1831	14,92	28,45	60	—	7,67	,5	4	1,5	2	4	11	3	2	16,5	11,5	1	3		,98
1832	28,86	22,68	53	—	12,65	2	2	,5	2,5	1	5	8,5	7,5	9	20	4	3	1	6,11
1834	33,88	42,07	63	—	14,49	2	3			7,5	3	12	,5	14,5	13,5	1	2		
1835	8,59	21,44	44	—	17,61		1	10,5			,5	8	8	9	19	1,5	9		2,59
1836	16,98	24,21	50	—	5,55		1	1,5	6	7	2,5	10	1	13,5	15,5	1	10		,93
1837	26,27	27,74	52	—	8,60		1,5	1,5	8	5	2,5	4,5	5	14	14	3	4		1,80
1838	21,88	14,25	36	—	2,34	3	2		1	1	9	9,5	2,5	6,5	21,5		12	,5	,84
1839	23,16	35,70	50	—	5,45	1	1		3,5	6,5	7,5	6,5	2	11	17	2,5	3,5		1,63
1840	31,27	39,83	65	—	6,59	3	,5		3	10,5	1	10	1	11	18	5,5	1,5	,5	3,19
1841	22,06	30,47	46	—	1,45	3	,5		2,5	5,5	2	13,5	1	12	16		8		
1842	33,77	30,69	50	—	2,48		2	1		4		19	2	11,5	16,5	2	6		1,04
1843	20,98	18,36	42	—	2,40		,5	1	1,5	1	,5	23,5		11	17		8		2,10
1844	28,76	33,95	52	—	3,49	5	1	1	3	4,5	5,5	8,5	,5	12	17	3	5	2	,95
1845	25,21	43,22	63	—	5,58	1	1,5			10	6,5	5,5	3,5	7,5	20,5	1	3		1,38
1846	32,07	22,52	50	—	4,54	3,5	3	,5	2	5,5	3,5	9	1	6,5	21,5	1	9		1,44
1847	29,04	27,90	50	—	8,42	3	4	,5	,5	5,5	3	11,5		7	21	5	3	1	2,54
1848	28,51	32,78	50	—	12,38	1,5		2,5	2	3,5	5,5	12	2	13	16	3	3		,91
Mean.	24,76	29,48				1,64	1,58	1,25	2,14	5,11	4,22	9,97	2,36	11,47	16,78				1,82
Total.						29,5	28,5	22,5	38,5	92	76	179,5	42,5	206,5	302,5				29,13
MARCH.																			
1830	34,35	42,11	69	8	51	7,5	,5			9	5,5	7,5	1	15,5	15,5	8	4	1	,89
1831	37,93	40,13	63	19	44	1	2		3	4,5	2,5	18		13	18	2	2	1	,30
1832	37,28	38,86	74	6	68	,5	2		2,5	7,5	12,5	4,5	1,5	23,5	7,5	3	2	2	2,75
1834	41,00	41,62	53	31	22					8,5		22,5		17,5	13,5				
1835	20,92	29,45	49	—	6,55			11,5	1,5	,5		10,5	7	10,5	20,5	,5	7		1,62
1836	23,90	23,00	55	9	46				2,5	4	6,5	17,5	,5	15	16	2	9	1	1,30
1837	27,66	32,76	58	—	1,59			3,5	3	5,5	8,5	6,5	4	18,5	12,5	6	2	1,5	2,16
1838	34,80	42,31	71	—	2,73	5,5	6		4	1,5	6,5	6,5	1	16	15	1	3	,5	,76
1839	27,57	37,06	60	2	58	,5	3,5		1	4,5	4,5	13	4	20	11	4,5	2	1	2,61
1840	35,18	35,79	62	8	54	3	3,5	1		5	5,5	12,5	,5	15	16	3	3	1	3,83
1841	27,71	36,27	64	—	6,70	1	2,5	2	1,5	1,5	2	19	1,5	18,5	12,5	2	6	1	
1842	42,29	44,52	66	26	40	,5	3,5	,5	2	11	1	11	1,5	11	20	11	2		3,11
1843	26,79	28,49	47	6	41			2	1	2,5	3	22,5		11,5	19,5	1	10		1,98
1844	37,72	33,29	59	10	49	7	3,5	1,5	1,5	6,5	3,5	7,5		14	17	6	5	1	3,61
1845	42,92	44,34	74	22	52	2	1,5			12	3	10,5	2	10	21	3	1		2,37
1846	34,86	39,42	70	—	2,72	2	5		2	6,5	3,5	12		15	16	5	2		,91
1847	30,01	34,10	53	16	37	2,5	2,5		1,5	2	8	13	1,5	17	14	2	5		,80
1848	27,56	42,39	76	8	68	,5	1,5	1,5	2	5,5	5	13,5	1,5	8,5	22,5	6	2	2	2,95
Mean.	32,80	36,99				1,86	2,08	1,30	1,61	5,45	4,50	12,67	1,59	15,00	16,00				1,99
Total.						33,5	37,5	23,5	29	98	81	228	27,5	270	288				31,95

OBSERVATIONS AT FREDONIA ACADEMY.

137

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	49,99	56,71	84	32	52	9	3	3		4,5	2,5	7	1	19	11	8			2,03
1831	44,82	50,13	86	28	58	6	4		1	4	4	10,5	,5	14,5	15,5	8	2		1,95
1832	41,91	44,95	80	18	62	10	4		,5	2	7,5	2,5	3,5	19,5	10,5	6		1	2,28
1834	43,73	48,39	66	31	35		2			5,5	1,5	18	3	12,5	17,5	2	2		
1835	46,44	40,80	74	22	52		2		1	2,5	16,5	7	1	15	15	9	5	1	1,68
1836	40,65	49,87	75	25	50		,5	1,5	7	6,5	5	5,5	4	16,5	13,5	6	3	1	2,12
1837	36,62	40,88	74	18	56		1,5	2,5	2	2,5	10,5	10	1	17	13	2	3,5	1	1,63
1838	37,86	39,31	65	24	41	3,5	3	1	2,5	2,5	4,5	9,5	3,5	9	21	4	3		2,47
1839	46,42	46,24	78	28	50	3	1	1,5	1	4,5	3	6	10	22	8	1,5	,5	,5	,90
1840	42,93	54,75	80	24	56	1,5	1,5	,5	1	9	2	9,5	5	21	9	5,5	1		3,10
1841	58,33	45,32	72	24	48	3,5	1,5	,5	3,5	4,5	1,5	13	2	11,5	18,5	8	1	1	
1842	49,26	50,00	72	32	40	,5	2		1	2,5	1,5	20	2,5	17,5	12,5	5			1,70
1843	42,16	52,59	76	18	58		1				,5	28,5		19,5	10,5	5	2		2,65
1844	55,36	52,73	80	26	54	7	2,5	1	1,5	6,5	2,5	4	5	19	11	8			2,02
1845	44,35	58,90	78	25	53	1,5	1,5	1	,5	7,5	3	12	3	15	15	5	1		3,07
1846	43,76	55,16	80	24	56	2	3	1	5	4	4	8	3	12,5	17,5	4			1,35
1847	43,78	46,18	79	20	59	2,5	1,5	2	4,5	7,5	8,5	3,5	3,5	10,5	19,5	4	3		1,19
1848	47,07	45,84	73	31	42		1	5	1	1,5	5	12	4,5	15,5	14,5	2			,69
Mean.	44,19	48,82				2,78	2,03	1,03	1,69	4,14	4,58	10,64	3,11	15,94	14,06				1,93
Total.						50	36,5	18,5	30,5	74,5	82,5	191,5	56	287,5	253				30,83

MAY.																			
1830	59,13	53,29	86	36	50	8,5	,5		1	5	7,5	7	1,5	19	12	9			4,14
1831	53,35	61,56	86	30	56	4,5	3		1	1	9,5	11,5	,5	16	15	8			2,98
1832	55,58	54,86	82	37	45	6,5	2	,5	1,5	2,5	10	4,5	3,5	24,5	6,5	6			3,92
1834	46,89	66,25	82	27	55		2		1	7	12	7	2	19,5	11,5	8	2		
1835	52,53	62,76	81	34	47	2,5	4	1,5	3	19	,5	,5	,5	22,5	8,5	6			1,49
1836	55,25	57,41	83	25	58	2		2	2	5	9,5	6	4,5	16	15	13			5,51
1837	53,18	54,43	84	26	58		2,5	3	4	14	6	1,5		16	15	11,5			2,54
1838	47,64	52,78	80	32	48	3	2,5	3,5	2,5	2,5	3	14		13	18	10	,5		4,36
1839	51,75	57,15	84	28	56	3,5		1	1	1,5	1,5	21	1,5	20,5	10,5	6			5,47
1840	50,73	65,45	86	30	56	4,5		4,5	2	4	3,5	12,5		23,5	7,5	4,5			2,71
1841	50,76	62,63	88	30	58	4,5	2		1,5	4	4	14	1	20,5	10,5	9	1		
1842	49,07	57,53	76	38	38	1			2	3,5	24	,5	22	9	8				1,50
1843	56,87	53,13	83	38	45	3,5		,5	,5	1,5	24		1	23	8	6	1		2,73
1844	60,16	61,33	90	30	60	2	1,5		,5	5	5,5	15,5	1	20	11	11			4,15
1845	57,06	55,09	82	34	48	4,5	1,5	,5	,5	11	1,5	8,5	3	18,5	12,5	7			2,08
1846	58,34	64,73	83	40	43	5	3	,5	3	5	2,5	10	2	16,5	14,5	7			2,14
1847	57,81	62,64	84	31	53	,5	2	5	1,5	4,5	7,5	9	1	16	15	8			3,71
1848	54,34	63,76	86	41	45	4,5	1	,5	2,5	7	7	7	1,5	11,5	19,5	12			3,77
Mean.	53,91	59,27				3,36	1,53	1,25	1,44	4,69	6,36	10,98	1,39	13,25	17,75				3,32
Total.						60,5	27,5	22,5	26	84,5	114,5	197,5	25	338,5	219,5				53,20

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage
	First Half.	Second Half.																	
1830	60,35	64,02	86	40	46	3,5	2,5		,5	3,5	7,5	12	,5	17,5	12,5	10			5,48
1831	73,85	69,45	90	52	38	6	2			4	2	13	3	19	11	7			4,17
1832	65,01	69,17	92	47	45	,5	3		1	,5	7,5	7	10,5	23,5	6,5	6			1,64
1834	63,97	66,60	83	50	33	3			1,5	2	14,5	6,5	2,5	17,5	12,5	5,5			
1835	68,04	62,15	87	49	38	4,5	2	2	1	3,5	14,5	2	,5	18	12	12			7,30
1836	63,48	64,21	86	40	46	,5	2	8,5	2	2	6	7	2	6,5	23,5	18			6,24
1837	65,08	61,50	88	44	44		1,5	2	2	15	3	4,5	2	17	13	10,5			3,89
1838	64,11	68,86	86	48	38	3	,5			2,5	6,5	13,5	4	20	10	5,5			2,53
1839	59,27	60,63	84	45	39	4	1			1,5	2	19,5	2	17	13	9			4,56
1840	61,03	66,98	90	42	48	1	1		1	3,5	1,5	21	1	23,5	6,5	4			2,40
1841	67,64	69,24	96	45	51	6,5	1,5			2	1	19		18,5	11,5	6			
1842	59,19	68,65	84	34	50			,5		8	3	17	1,5	18,5	11,5	11	1	1	3,35
1843	64,72	72,10	88	42	46					2	4,5	23,5		20	10	9			3,31
1844	62,60	70,56	88	42	46	5,5	2,5	1	2	4	5	7,5	2,5	22,5	7,5	6			4,93
1845	69,21	65,01	91	50	41	1,5	1,5	,5	1	9	4	10,5	2	16,5	13,5	11			3,73
1846	63,46	66,58	86	48	38	3,5	3	1	2,5	4,5	5	6,5	4	12,5	17,5	7			2,40
1847	60,74	65,83	92	44	48	1	,5		,5	5	6,5	16	,5	9,5	20,5	8			3,03
1848	62,22	69,71	86	46	40	1	,5			3,5	10	14	1	13	17	6			2,43
Mean.	64,11	66,74				2,50	1,39	,87	,83	4,22	5,78	12,22	2,19	17,25	12,75				3,83
Total.						45	25	15,5	15	76	104	220	39,5	310,5	229,5				61,39
JULY.																			
1830	69,11	78,04	97	53	44	2,5	,5			1	17,5	7	2,5	23,5	7,5	6			3,19
1831	70,20	73,85	86	56	30	13	,5			2	7	8	,5	18,5	12,5	9			6,35
1832	79,55	75,44	92	54	38		2,5			1	6,5	18	3	23	8	10			1,62
1834	74,31	75,42	89	61	28	2	2		1,5	,5	7	9	9	23	8	12			
1835	66,36	71,31	85	50	35	2,5	,5	1,5		1	17,5	6,5	1,5	20	11	9			3,52
1836	68,78	64,82	86	42	44	1	1	3,5	2,5	1,5	10	9	2,5	15	16	9			3,27
1837	67,45	69,00	89	50	39		1	4,5	3	13	1,5	7,5	,5	23	8	3			1,96
1838	71,54	75,76	90	54	36	4				1,5	3	18,5	4	20	11	4,5			1,41
1839	66,02	72,04	90	52	38	,5				1	1	27,5	1	26	5	2,5			1,28
1840	68,09	70,39	96	50	46	5,5			1	2	2,5	15,5	4,5	22	9	3,5			3,14
1841	68,43	71,58	96	50	46	6	1			,5	3	20,5		26	5	5			
1842	66,55	72,66	88	54	34	1				,5	,5	28	1	21	10	8			4,70
1843	72,06	71,56	92	54	38	,5				,5	,5	30,5		25,5	5,5	5			,85
1844	70,21	69,95	88	52	36	4,5	1,5	2,5	1,5	6,5	5,5	6	3	18	13	9			5,37
1845	70,80	70,43	96	50	46	2	,5	,5	,5	5	6	14	2,5	20	11	6			2,07
1846	70,53	69,42	91	48	43	4	1		,5	2,5	3	15	5	14,5	16,5	11			4,37
1847	71,80	71,29	93	48	45	4,5	,5	1	1	6	5	11,5	1,5	10	21	10			5,30
1848	67,82	68,48	88	56	32		2,5	,5	3	5,5	6,5	11	2	5	26	8			4,99
Mean.	69,98	71,75				2,97	,83	,78	,81	2,83	5,72	14,61	2,45	19,67	11,33				3,34
Total.						53,5	15	14	14,5	51	103	263	44	354	204				53,39

AUGUST.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1830	69,73	65,79	91	46	45	9	2,5			2	5,5	9	3	24	7	5			1,47
1831	71,23	70,09	94	55	39	7			1,5	4	2	13	3,5	21	10	7			3,57
1832	70,92	65,91	87	54	33	2		,5	2	1,5	11,5	4,5	9	19,5	11,5	12			4,05
1834	74,63	68,18	86	49	37	5	4	1	,5	1,5	3,5	14	1,5	24	7	6			
1835	66,19	63,94	86	50	36	1,5	1		1	2	7	8,5	10	21	10	13			4,20
1836	64,41	60,21	82	42	40	2	2	,5	1,5	4,5	4	9	7,5	20	11	4			2,05
1837	67,22	64,76	94	48	46	,5	,5		1	7	14	3	5	22	9	6,5			3,52
1838	69,97	69,41	88	54	34	4,5	4,5	1		3	1,5	13	3,5	19	12	5,5			3,39
1839	65,82	65,82	90	41	49	3,5	1,5				1	23,5	1,5	25,5	5,5	4			1,14
1840	60,98	71,57	92	49	43	2		,5	4	5	2	17,5		14,5	16,5	8,5			5,62
1841	74,08	69,77	91	47	44	5,5	5,5		1	1,5	6	8,5	3	24	7	2			
1842	65,59	71,83	88	52	36	4	,5			1	1	22	2,5	26	5	4			1,78
1843	73,10	75,32	89	54	35	1	2	6	1,5	1,5	3,5	14,5	1	26,5	4,5	3			,25
1844	70,04	66,87	87	50	37	3,5	,5		1,5	9,5	4	10,5	1,5	12,5	18,5	13			7,19
1845	70,02	73,41	90	54	36	3	3,5	5	1	7,5	2,5	7,5	1	22	9	5			2,24
1846	74,17	68,87	88	56	32	2,5	2,5	1,5	2	3,5	3	14,5	1,5	18	13	4			2,18
1847	69,57	67,64	89	57	32	3,5	3,5	3	,5	1	8	9,5	2	11,5	19,5	12			6,03
1848	71,16	68,94	87	55	32	3	1	,5	4,5	4,5	5,5	9,5	2,5	12,5	18,5	10			3,79
Mean.	69,38	68,24				3,50	1,94	1,08	1,31	3,36	4,75	11,75	3,31	20,19	10,81				3,28
Total.						63	35	19,5	23,5	60,5	85,5	211,5	59,5	363,5	194,5				52,47

SEPTEMBER.

1830	63,13	54,29	82	32	50	6,5	4			3,5	5	7	4	18,5	11,5	7			3,75
1831	66,83	58,11	82	44	38	5				9,5	9	6,5		12	18	10			3,98
1832	58,11	61,40	80	44	36	,5	1		2,5	6	11,5	6,5	2	15,5	14,5	14			4,45
1834	66,02	60,40	83	34	49	1	1	1	6		8	1,5	7,5	14	16	13			
1835	62,61	53,42	84	40	44				5	1,5	12,5	5,5	9,5	16,5	13,5	10			5,58
1836	60,52	58,13	85	34	51	1	3	3	1,5	7,5	5	4	5	7,5	22,5	14	1		5,78
1837	61,37	57,93	85	39	46				2,5	5,5	11	9	2	19	11	6			5,67
1838	59,62	59,33	80	38	42	4,5	3	1	1	2	4,5	8	6	17	13	2			,88
1839	59,99	54,68	82	33	49		1			1,5	4,5	21,5	1,5	18	12	9		,5	3,66
1840	60,80	56,18	81	34	47	,5	3,5		2,5	4,5		17,5	1,5	14	16	4,5			4,28
1841	70,19	61,39	94	40	54	1,5	5	2,5	7,5	,5	4	5	4	14	16	8			
1842	67,41	56,87	87	38	49	5	2,5			1,5	1	20		18,5	11,5	5			7,25
1843	66,08	67,91	89	41	48	2	3,5	7	3,5	3,5	3,5	4,5	2,5	20	10	6			5,52
1844	64,11	54,11	84	42	42	4	2,5	5,5	2,5	5	5	3,5	2	18,5	11,5	5			,64
1845	63,22	59,41	78	40	38	5	,5	1,5	2,5	9	4	7	,5	13	17	8			6,50
1846	74,74	62,98	90	44	46	,5	1,5	1,5	1,5	7	4,5	12	1,5	12	18	9			3,94
1847	63,98	60,34	88	44	44	4,5		2	2,5	2,5	7,5	8	3	9,5	20,5	12			6,05
1848	61,35	53,88	80	38	42	1,5		1,5		3	7	13,5	3,5	5,5	24,5	9			3,38
Mean.	64,17	58,38				2,39	1,78	1,47	2,28	4,08	5,94	8,95	3,11	14,61	15,39				4,46
Total.						43	32	26,5	41	73,5	107,5	160,5	56	263	277				71,31

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	54,47	51,29	77	32	45	1	4		10	6,5	7	2	,5	16	15	5			2,05
1831	51,94	53,11	77	29	48	2	3,5	1	2,5	6	9	5,5	1,5	16,5	14,5	8			3,88
1832	53,47	51,45	74	28	46	4	3,5	2	5,5	2,5	9	2,5	2	19	12	10			3,75
1834	56,27	47,70	74	33	41	1	3	3	4	4,5	7	8	,5	9	22	8		3	
1835	51,59	59,10	79	38	41	11	3		2,5	9,5	3	1,5	,5	16	15	14			6,06
1836	45,41	37,68	72	24	48	1,5	2	5	,5	2	5,5	6,5	8	10,5	20,5	8	4		3,25
1837	49,25	47,68	76	27	49		1	2,5	2	8	3	11	3,5	15,5	15,5	9,5			6,75
1838	51,57	39,37	70	31	39	4,5	1,5	,5	2,5	2	8,5	8	3,5	9	22	7	1	3	8,91
1839	55,90	52,75	78	24	54		2,5		3,5	2,5	6,5	15	1	16,5	14,5	3			,95
1840	55,58	44,01	83	30	53		1		2	7,5	1,5	16,5	2,5	15,5	15,5	6,5	2,5		3,96
1841	49,89	42,92	72	20	52	7,5	3,5	4		1	2,5	5,5	7	9,5	21,5	13	3		
1842	54,87	49,34	72	38	34					1	,5	27,5	2	14	17	6		2	4,85
1843	55,94	45,13	78	31	47	1,5	3,5	2,5	2,5	2	7	11	1	16,5	14,5	7	4		4,21
1844	52,66	46,16	74	31	43	2	6,5	1	,5	11,5	4,5	3	2	12,5	13,5	8	3		4,21
1845	55,75	50,42	70	31	39	2,5	1	3,5	6	4,5	3	8	2,5	19	12	8			2,10
1846	47,05	44,41	80	30	50	2,5	3,5	1	1	9,5	7	5,5	1	8,5	22,5	9		2	6,74
1847	53,55	49,06	73	28	45	,5		1	3,5	7	5	12,5	1,5	8,5	22,5	8			5,15
1848	52,95	49,53	68	34	34	1,5	1		3,5	5,5	6,5	11,5	1,5	8	23	12	1		2,17
Mean.	52,67	57,84				2,39	2,44	1,50	2,89	5,17	5,34	8,94	2,33	13,33	17,67				4,31
Total.						43	44	27	52	93	96	161	42	240	318				68,99
NOVEMBER.																			
1830	50,17	43,69	68	34	34	3	4	3,5	4,5	7	4	3,5	,5	10	20	8			4,01
1831	43,62	33,53	64	18	46	1	,5	,5	1	8	6	9	4	9	21	4,5	3,5	1,5	4,93
1832	42,88	38,84	66	23	43		4,5		4	2	12	4	3,5	11	19	7	3	1	5,88
1834	47,10	35,46	73	20	53	4,5	3		,5	5	9	7,5	,5	13,5	16,5	9	2	3	
1835	48,86	35,60	69	12	57	5,5				9,5	2,5	,5	2	12	18	6	7	4	1,84
1836	39,88	31,68	64	15	49	2	2	3,5	4	2,5	2,5	8,5	5	9	21	6	5		1,86
1837	43,67	42,12	68	15	53			2	1	10	4	11	2	11,5	18,5	8	2,5	,5	3,10
1838	37,22	26,15	60	10	50	1,5	1		,5	11,5	9	6	,5	6,5	23,5	3	5	1,5	3,38
1839	37,30	30,41	48	9	39	,5			2	8	2,5	14	3	3,5	26,5	2,5	6		3,76
1840	44,89	35,89	64	26	38		3		6,5	3,5	1	16		9,5	20,5	3	4		3,65
1841	44,21	35,13	62	20	42	1	9			5	11		4	3	27	6	6		
1842	45,44	31,41	62	23	39		2,5	2,5	1,5	2	2	19,5		6,5	23,5	3	5	2	1,53
1843	37,73	39,45	58	20	38	8,5	2	1,5	2	3,5	3,5	4	5	7	23		7		1,75
1844	47,59	37,52	68	26	42	1	2	,5	1,5	9	4	7	5	8,5	21,5	7	3	1	1,74
1845	45,75	39,32	65	17	48	2	3	1		8	5,5	10	,5	7	23	3	3	1	3,08
1846	51,09	39,05	68	22	46	2,5	3	1	1,5	5,5	2	11	3,5	3	27	7	1		3,37
1847	49,75	32,82	70	10	60	1	,5		1	5,5	7	14	1	1,5	28,5	8	1	1	4,23
1848	38,41	38,75	54	22	32			1,5	3	5,5	8	12		30		5	7	4	4,19
Mean.	44,19	35,94				2,44	2,22	,97	1,92	6,17	5,31	8,75	2,22	7,33	12,67				3,27
Total.						44	40	17,5	34,5	111	95,5	157,5	40	132	408				52,30

OBSERVATIONS AT FREDONIA ACADEMY.

141

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	36,24	28,35	58	9	49	1	4		2	5	8,5	7,5	3	2	29	5	11	2	4,45
1831	15,97	19,14	31	2	29	2,5	1		4	3	15	4	1,5	7,5	23,5		10,5		2,55
1832	37,45	32,59	52	17	35	1,5	1,5		3,5	7,5	10,5	4,5	2	9,5	21,5	5	1	2	2,55
1834	32,67	29,14	48	9	39	1	10	3,5	1,5		10	2	3	13,5	17,5	2	6	2	
1835	26,14	29,74	45	7	38	13,5	,5		2,5	5	2	4	3,5	10,5	20,5	4	7	2	4,09
1836	32,57	23,75	49	7	42	1	1	1,5	4	11	4	3,5	5	4	27	4	10		2,27
1837	33,75	29,77	64	16	48		1	4	,5	8	5,5	8	4	12,5	18,5	2,5	5,5	2,5	3,22
1838	24,41	20,02	40	8	32			2	1,5	3	10	14,5		8,5	22,5	,5	12,5	,5	1,29
1839	35,00	26,69	50	6	44		3	2	3	1,5	3	17,5	1	5,5	25,5	1	5,5		3,40
1840	31,15	25,66	43	10	33		1	4,5		5,5	4,5	15,5		4	27	1	11		1,77
1841	37,77	26,97	59	10	49	1	6	1	3		9	6	1	12,5	18,5	7	6		
1842	35,00	29,92	46	15	31	1,5	,5	1		3,5	5	19,5		5,5	25,5	3	7		1,42
1843	33,11	33,64	68	24	24	1,5	1		,5	2	4,5	19,5	2	6,5	24,5	5	6		2,90
1844	37,78	34,00	56	20	36	4,5	2	,5	,5	8,5	4,5	7,5	3	4,5	26,5	7	6	1	3,20
1845	28,74	27,66	44	4	40	8	1	,5	2	5	8	4	2,5	4,5	26,5	1	5		,97
1846	33,23	36,74	56	14	42	3	2,5		3	4,5	4	11,5	2,5	3	28	4	2		1,61
1847	40,21	30,87	58	16	42	1	3,5	,5		10	5	7	4	2	29	6	10	3	6,97
1848	38,84	35,19	58	20	38		,5	4,5	1,5	9,5	5	10		1	30	7	7	2	4,73
Mean.	32,78	28,88				2,28	2,22	1,42	1,83	5,36	6,56	9,22	2,11	6,50	24,50				2,96
Total.						41	40	25,5	33	96,5	118	166	38	117	441				47,39

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.	
	First Half.	Seco'd Half.																					
January, --	29,36	27,81	70	— 7	77	1,72	2,58	1,81	2,19	5,89	5,33	9,61	2,92	64° 86' W	40	11,95	9,86	21,14				2,04	32,60
February, --	24,76	29,48	65	— 12	77	1,68	1,58	1,25	2,14	5,11	4,22	9,75	2,36	59° 46' W	40	12,18	11,47	16,75				1,82	29,13
March, ---	32,80	36,99	76	— 6	82	1,86	2,08	1,80	1,61	5,45	4,50	12,67	1,53	68° 01' W	47	14,10	15,00	16,00				1,99	31,85
April, ----	44,19	43,82	86	13	63	2,78	2,08	1,03	1,69	4,14	4,58	10,64	8,11	80° 12' W	48	14,50	15,94	14,06				1,93	30,53
May, -----	53,91	59,27	90	25	65	3,36	1,53	1,25	1,44	4,69	6,36	10,93	1,39	70° 14' W	46	13,93	13,25	17,75				3,32	53,20
June, -----	64,11	66,74	96	84	62	2,50	1,39	,87	,83	4,22	5,72	11,52	2,19	75° 41' W	51	15,45	17,25	12,75				3,83	61,39
July, -----	69,98	71,75	97	42	55	2,97	1,83	,78	,51	2,83	5,72	14,61	2,45	83° 19' W	62	15,57	19,67	11,33				3,84	58,39
August, ----	69,38	68,24	94	41	53	3,50	1,94	1,06	1,81	3,86	4,75	11,75	3,31	87° 54' W	40	12,00	20,19	10,81				3,28	52,47
September, --	64,17	58,38	94	32	62	2,39	1,78	1,47	2,23	4,08	5,94	9,95	3,11	87° 54' W	40	12,00	14,61	15,39				4,46	71,81
October, ----	52,67	47,84	83	20	63	2,39	2,44	1,50	2,39	5,17	5,34	9,94	2,33	69° 31' W	39	11,63	13,83	17,17				4,31	68,99
November, ---	44,19	35,94	73	9	64	2,44	2,22	,97	1,92	6,17	5,31	8,75	2,12	60° 05' W	39	11,63	7,38	12,67				3,27	52,30
December, --	32,78	23,89	64	2	62	2,27	2,22	1,42	1,82	5,36	6,56	9,22	2,11	60° 16' W	42	12,25	6,50	24,50				2,96	47,39
Mean.	48,61	48,80				2,49	1,83	1,19	1,75	4,66	5,35	10,64	2,41	N 89° 10' W	41	12,39	13,03	17,31				3,04	45,74

Highest degree, July 26, 1830, - - - - - 97°
 Lowest degree, February 23, 1832, - - - - - —12°
 Extreme range in 18 years, - - - - - 109°
 Greatest monthly range in March.
 Least monthly range in August.

Mean monthly range, 65½°.
 Driest month, March.
 Wettest month, September.
 Total fall of rain and snow in 16 years, 48 feet 8,84 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1830	25.89	26.90	38.28	53.35	56.21	62.18	73.57	67.76	58.71	52.88	46.98	32.80	49.57	97	-9	106	61	February 5,	July 26,	September 18,	December 4.
1831	22.95	21.68	39.03	47.47	57.46	71.65	72.02	70.66	62.47	52.52	38.57	17.55	47.83	94	-7	101	67	February 5,	August 20,	October 6,	November 19.
1832	27.20	25.77	33.07	43.43	55.22	67.09	77.49	68.41	59.75	52.46	40.86	35.02	49.23	92	-12	104	77	January 27,	July 1,	October 24,	November 23.
1834	24.94	37.97	41.31	45.56	57.57	65.28	74.86	71.40	63.21	51.98	41.28	30.90	50.44	89	-8	81	55	January 4,	July 26,	September 30,	October 19.
1835	29.75	20.24	32.83	43.62	57.64	65.09	68.53	65.06	53.01	55.34	42.23	27.94	47.21	87	-5	92	67	February 7,	June 10,	November 12,	November 17.
1836	26.57	20.59	28.45	44.75	56.33	63.84	66.80	62.31	59.32	41.54	35.78	25.16	44.54	86	-10	51	54	February 4,	July 19,	September 6,	October 17.
1837	22.19	27.00	30.29	38.75	53.82	63.80	68.28	65.96	59.65	48.44	42.89	31.70	46.02	99	-2	102	60	January 8,	July 14,	September 10,	October 16.
1838	33.26	18.66	38.35	38.58	50.21	66.46	78.65	69.69	59.47	45.97	31.68	22.21	45.63	90	-2	92	73	February 25,	July 27,	September 29,	November 6.
1839	27.43	29.43	32.31	46.33	54.45	59.95	69.08	65.82	57.33	54.32	35.85	30.84	46.70	90	-4	94	59	January 25,	July 20,	September 22,	October 24.
1840	22.18	35.55	35.48	48.54	58.09	64.00	69.24	66.29	58.49	49.59	40.57	25.40	48.40	96	-6	95	59	January 2,	July 16,	September 25,	October 23.
1841	29.45	26.26	31.99	41.82	56.70	68.44	70.00	71.92	65.70	46.40	39.67	32.37	49.40	88	-6	102	70	January 18,	June 6,	October 5,	October 23.
1842	33.92	32.23	43.40	49.63	59.00	63.41	71.81	74.21	66.99	50.53	58.59	35.37	49.17	95	-2	86	50	February 16,	July 27,	October 5,	October 15.
1843	36.47	19.67	27.64	37.55	50.03	63.41	71.81	74.21	66.99	50.53	58.59	35.37	49.17	95	-2	86	50	February 16,	July 27,	October 5,	October 15.
1844	24.76	31.35	35.50	54.04	60.74	66.58	70.08	68.48	61.55	49.41	42.53	35.87	49.17	95	-2	86	50	February 16,	July 27,	October 5,	October 15.
1845	34.62	31.31	43.63	51.62	56.07	67.11	70.61	71.61	61.31	53.03	42.53	35.87	49.17	95	-2	86	50	February 16,	July 27,	October 5,	October 15.
1846	31.41	27.29	37.14	49.46	61.53	65.02	69.37	71.52	68.86	50.73	45.07	34.98	51.08	91	-4	95	72	February 26,	July 10,	October 4,	October 21.
1847	27.88	28.47	32.05	44.98	60.22	62.78	71.54	63.60	62.16	51.39	44.2	35.54	49.15	93	-6	87	60	February 23,	July 19,	October 25,	October 14.
1848	35.02	30.64	34.98	46.46	59.65	65.97	68.15	70.05	57.62	51.24	38.53	37.02	46.56	88	-8	80	68	January 10,	July 20,	October 11,	November 6.
Mean	28.66	27.41	35.82	46.46	56.64	65.36	70.86	68.81	61.27	50.55	41.24	30.82	48.38								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1830	54.5	25.5	7	20.5	65.5	83	86.5	22.5	S 67° 32' W	36	131.55	208.5	161.5	71	27	4
1831	55	27	4	17.5	51	78	114.5	21	S 77° 40' W	42	152.55	173	192	54.5	28	3.5
1832	28.5	27.5	4	31.5	37	117.5	70.5	49.5	S 67° 26' W	42	154.75	210.5	155.5	84.5	14.5	6
1834	20.5	30	10	16.5	48.5	77	131.5	31	S 71° 50' W	47	172.67	185.5	179.5			
1835	54.5	19	6.5	19	51	141	41	33	S 60° 51' W	41	149.62	195.5	169.5	96	38	10
1836	12	16	30.5	39.5	57.5	64.5	94.5	51.5	S 56° 17' W	35	128.37	139.5	226.5	90	53	4
1837	1.5	14	29.5	35.5	99	73	80	32.5	S 32° 30' W	46	167.69	198.5	166.5	68.5	28.5	5.5
1838	37	27.5	9.5	16.5	41.5	73	128.5	31.5	S 80° 33' W	45	164.60	158	207	45.5	42.5	6
1839	20	15	5.5	18.5	40.5	40	197	28.5	N 57° 35' W	39	144.05	196.5	168.5	48	24.5	2
1840	23.5	16	12	24	64	32.5	177	17	S 73° 6' W	49	179.46	180	186	53.5	33.5	2
1841	41.5	42	11	21	36.5	54.5	134	24.5	S 89° 25' W	37	134.31	177	188	70	39	2
1842	14.5	16.5	7.5	6.5	43	26.5	232.5	18	S 83° 29' W	65	241.76	187	178	70	24	4
1843	19.5	16	22	14	22	37.5	219.5	14.5	S 85° 24' W	59	213.89	200.5	164.5	52	43	1
1844	51	29	15	18.5	79	52.5	92.5	28.5	S 69° 39' W	30	107.90	169	197	86	31	5
1845	36	23	14	15	96	50	107	24	S 58° 27' W	38	138.79	159.5	205.5	63	16	1
1846	33.5	35.5	8.5	24	66	48.5	123.5	25.5	S 72° 2' W	36	131.67	127	238	75	19	4
1847	26.5	20	13.5	14.5	61.5	76.5	131.5	21	S 66° 36' W	48	177.13	114.5	250.5	88	29	5
1848	14	11	18.5	24.5	61	78.5	135	23.5	S 60° 19' W	52	189.85	99	267	86	25	11
Mean.	30.03	22.86	12.69	20.94	56.69	66.88	127.58	27.64	S 70° 37' W	44	159.80	170.86	194.39			
Total.	540.5	410.5	228.5	377	1020.5	1204	2296.5	497.5				3074	3501			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1830	1.77	.70	.59	2.03	4.14	5.48	3.19	1.47	3.75	2.05	4.01	4.45	33.93	February.	June.
1831	1.05	.93	.30	1.95	2.93	4.17	6.35	3.57	3.33	3.68	4.93	2.55	36.69	March.	July.
1832	2.03	6.11	2.75	2.28	3.92	1.64	1.62	4.05	4.45	3.75	5.83	2.55	41.03	July.	February.
1833	.99	2.59	1.62	1.63	1.49	7.30	3.52	4.20	5.58	6.06	1.84	4.09	40.96	January.	June.
1836	1.87	1.93	1.30	2.12	5.51	6.24	3.27	2.05	5.73	3.25	1.86	2.27	36.45	February.	June.
1837	3.50	1.80	2.16	1.63	2.54	3.89	1.96	3.52	5.67	6.75	3.10	3.22	39.74	April.	October.
1838	1.63	.84	.76	2.47	4.36	2.53	1.41	3.89	.83	3.91	3.38	1.29	31.85	March.	October.
1839	1.09	1.63	2.61	.90	5.47	4.56	1.23	1.14	3.66	.95	3.76	3.40	30.45	April.	May.
1840	2.25	3.19	3.83	3.16	2.71	2.40	3.14	5.62	4.28	3.96	3.65	1.77	39.90	December.	August.
1842	2.17	1.04	3.11	1.70	1.50	3.35	9.70	1.78	7.25	4.35	1.53	1.42	34.40	February.	September.
1843	1.88	2.10	1.93	2.65	2.73	3.31	.85	.25	5.52	4.21	1.75	2.90	30.13	August.	September.
1844	1.08	.95	3.61	2.02	4.15	4.93	5.37	7.19	.64	4.21	1.74	3.20	39.14	September.	August.
1845	2.51	1.34	2.37	3.07	2.03	3.73	2.07	2.24	6.50	2.10	3.03	.97	32.10	December.	September.
1846	2.91	1.44	.91	1.35	2.14	2.40	4.37	2.18	3.94	6.74	3.37	1.61	33.36	March.	October.
1847	2.44	2.54	.80	1.19	3.71	3.03	5.30	6.03	6.05	5.15	4.23	6.97	49.24	March.	December.
1848	3.43	.91	2.95	.69	3.77	2.43	4.99	3.79	3.33	2.17	4.19	4.73	37.43	April.	July.
Mean.	2.04	1.82	1.99	1.93	3.32	3.83	3.84	3.28	4.46	4.31	3.27	2.96	36.68		
Total.	32.60	29.13	31.85	30.83	53.20	61.89	53.39	52.47	71.81	63.99	52.30	47.39	586.80		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1830	3	30	19	5	20	8	30	2	4	6	15	9	26	13	7	25	5	28	27	20	15	30	2	22
1831	4	25	28	6	23	20	18	11	30	9	17	23	8	15	20	23	1	29	23	29	10	30	24	15
1832	15	26	2	23	24	17	25	8	13	4	16	5	1	27	13	26	20	30	17	28	1	15	31	20
1834	17	4	20	12	25	31	21	27	23	14	9	2	26	10	11	27	3	29	17	27	4	15	1	14
1835	30	7	21	7	26	3	11	14	28	9	10	20	25	1	12	21	5	29	17	31	4	29	25	16
1836	5	27	22	4	21	2	26	10	21	8	17	12	7	26	7	30	19	29	1	25	11	25	9	21
1837	31	3	7	17	7	3	29	4	31	1	1	20	14	2	8	31	10	23	11	29	20	25	2	15
1838	4	30	7	25	23	3	26	16	16	10	14	6	29	21	6	13	21	3	2	26	4	25	11	31
1839	11	23	21	6	28	3	6	18	23	4	8	1	29	5	24	29	7	30	26	20	13	25	7	31
1840	10	2	19	3	1	11	25	7	19	9	28	7	16	3	22	25	9	23	2	26	6	27	9	6
1841	6	18	22	11	26	17	25	10	23	2	6	16	11	2	16	22	8	29	31	25	1	26	10	19
1842	18	23	4	16	3	11	2	26	17	2	30	10	27	8	16	2	1	22	7	31	7	29	3	23
1843	21	3	26	17	10	4	15	1	14	1	30	1	1	21	27	23	5	27	6	30	17	27	25	16
1844	23	25	29	3	1	4	23	1	25	21	30	11	30	4	16	26	20	28	9	29	10	24	6	18
1845	4	31	20	1	30	15	29	7	13	29	8	30	13	31	17	1	1	22	10	21	18	28	14	19
1846	30	22	4	26	24	1	17	1	14	11	1	6	10	15	15	18	6	27	7	17	10	26	3	23
1847	15	8	2	23	20	15	21	18	11	1	9	15	19	27	16	1	4	29	18	26	2	29	9	26
1848	26	10	20	11	31	14	28	19	29	13	27	6	20	16	14	19	4	22	3	22	4	9	18	23

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1830	51	0	52	— 9	69	8	84	32	86	36	86	40	97	53	91	45	82	32	77	32	68	34	58	9
1831	61	5	60	— 7	63	19	86	28	86	30	90	52	86	56	94	55	82	44	77	29	64	18	31	2
1832	70	— 7	53	— 12	74	6	80	18	82	37	92	47	92	54	88	54	80	44	74	28	66	23	52	17
1833	51	8	63	14	53	31	66	31	82	27	83	50	89	61	86	49	83	34	79	33	73	20	48	9
1835	57	0	47	— 4	62	— 5	74	22	81	34	87	49	85	50	86	50	84	40	79	38	69	12	45	7
1836	42	5	50	— 5	55	9	75	25	83	25	86	40	86	42	82	42	85	34	72	24	64	15	49	7
1837	49	— 6	52	— 8	58	— 1	74	18	84	26	88	44	89	50	94	48	85	39	76	27	68	15	64	16
1838	66	11	36	2	71	— 2	65	24	80	32	86	48	90	54	88	54	80	38	70	31	60	10	40	8
1839	55	— 4	50	5	60	2	78	28	84	28	84	45	90	52	90	41	82	33	78	24	48	9	50	6
1840	44	0	65	6	62	8	80	24	86	30	90	42	96	50	92	49	81	34	83	30	64	26	43	10
1841	52	2	46	1	64	— 6	72	24	83	30	96	45	96	50	91	47	94	40	72	20	62	20	59	10
1842	58	16	50	2	66	26	72	32	76	38	84	34	88	54	88	52	87	38	72	38	62	23	46	15
1843	64	14	42	2	47	6	76	18	83	38	88	42	92	54	89	54	89	41	78	31	58	20	48	24
1844	43	4	52	3	59	10	80	26	90	30	88	42	88	52	87	50	84	42	74	31	68	26	56	20
1845	52	14	63	5	74	22	78	25	82	34	91	50	96	50	90	54	78	40	70	31	65	17	44	4
1846	52	7	50	— 4	70	— 2	80	24	83	40	86	48	91	48	88	56	90	44	80	30	68	22	56	14
1847	58	6	50	8	53	16	79	20	84	31	92	41	93	48	89	57	88	44	73	28	70	10	58	16
1848	63	10	50	12	76	8	73	31	86	41	86	46	88	56	87	55	80	38	68	34	54	22	58	20
Highest.	70		65		76		86		90		96		97		94		94		83		73		64	
Lowest.		— 7		— 12		— 6	18		25		34		42		41			32		20		9		2
Range.		77		77		82	68		65		62		55		53		62		63		64		62	

SUMMARY OF OBSERVATIONS AT GAINES ACADEMY,

GAINES, ORLEANS COUNTY, N. Y., DURING FOUR YEARS.

Latitude N 43° 17'; Longitude W. 78° 15'. 192 feet above the level of Lake Ontario.

OBSERVERS.

1839, JAMES W. GILBERT and WATTS SHERMAN, Students.
1840, MARTIN MASON, Esq., Trustee.

1841, MARTIN MASON, M. D., Trustee.
1842, ARBA CHUBB.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1839	30,56	17,36	56	—	7 63		3	2,5	3,5	1	8	3,5	9,5	10	21	1	7	,5	4,25
1840	19,26	20,61	42	0	42	2	,5	2,5	2,5	1	5	14,5	3	10	21	,5	6	1	2,11
1841	27,55	29,63	48	—	3 51		2,5	2,5	4,5	3	8,5	2,5	7,5	4	27	3,5	6,5	2	2,51
1842	25,99	32,37	59	3	56	2,5			2,5	2	10	5,5	8,5	11	20	1,5	5,5		1,51
Mean.	25,84	24,99				1,12	1,50	1,88	3,25	1,75	7,88	6,50	7,12	8,75	22,25				2,59
Total.						4,5	6	7,5	13	7	31,5	26	28,5	35	89				10,38
FEBRUARY.																			
1839	20,79	31,94	46	—	7 53	1,5	1,5	1	3		7,5	4	9,5	10,5	17,5	2	4,5	,5	2,48
1840	26,03	38,22	64	7	57	,5	1	1	3	5	6,5	6	6	8	21	5,5	4,5		1,80
1841	20,90	28,41	43	2	41	,5	2		2	1,5	11,5	4,5	6	8	20		7	,5	,65
1842	33,48	27,22	58	6	52	1	,5	3	1	2	9,5	3	8	4,5	23,5	1	6,5		1,97
Mean.	25,30	31,45				,87	1,25	1,25	2,25	2,12	8,75	4,37	7,37	7,75	20,50				1,72
Total.						3,5	5	5	9	8,5	35	17,5	29,5	31	82				6,00

OBSERVATIONS AT GAINES ACADEMY.

MARCH.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1839	29,73	36,77	64	65	58	1	2,5	3,5	3,5	,5	6,5	2,5	11	15,5	15,5	2,5	4	,5	3,18
1840	37,16	35,42	58	13	45	1,5	2	2,5	2,5	,5	3,5	11	7,5	15,5	15,5	4	2	1	2,96
1841	23,72	35,19	56	—	460	1	8,5	4	3,5	1	4	1,5	7,5	12	19	2,5	5	1	5,13
1842	38,13	38,58	65	8	57	5	5	2	1,5	1,5	7	3,5	5,5	14	17	3	3		2,68
Mean.	32,18	36,49				2,12	4,50	3,00	2,75	,87	5,25	4,62	7,88	14,25	16,75				3,49
Total.						8,5	18	12	11	3,5	21	18,5	31,5	57	67				13,95
APRIL.																			
1839	47,49	45,88	83	32	51	1,5	6	4	1		3	2	12,5	20	10	4			2,79
1840	46,00	50,97	80	20	60	,5	1,5		2,5		5,5	9,5	10,5	19	11	3,5		,5	1,82
1841	34,60	49,06	72	22	50	5	4	2	3,5	1	5,5	1,5	7,5	10	20	3	2,5	1	3,65
1842	43,54	48,77	81	19	62	2,5	6	4	4	,5	6	1,5	5,5	12,5	17,5	5,5	,5		2,30
Mean.	42,91	48,67				2,37	4,38	2,50	2,75	,38	5,00	3,62	9,00	15,38	14,02				2,64
Total.						9,5	17,5	10	11	1,5	20	14,5	36	61,5	58,5				10,56
MAY.																			
1839	51,92	57,58	87	30	57		1,5	2,5	3,5		2	6,5	15	19	12	7,5			3,20
1840	50,56	65,68	86	32	54		2,5	10,5	2		3	5	8	22,5	8,5	5			3,60
1841	44,26	61,51	89	30	59		1,5	1	1,5		9	2	16	14,5	16,5	5	,5		1,42
1842	49,07	56,25	85	33	52	3,5	3,5	,5	,5	1	7,5	3,5	11	15	16	6			1,65
Mean.	48,95	60,25				,78	2,25	3,62	1,88	,25	5,38	4,25	12,50	17,75	13,25				2,47
Total.						3,5	9	14,5	7,5	1	21,5	17	50	71	53				9,87
JUNE.																			
1839	56,83	62,15	84	47	37		1,5	3,5	2	2	4	6	11	12,5	17,5	8,5			6,22
1840	61,34	66,31	87	45	42		1,5	4	2,5	2	3,5	,5	16	17	13	5,5			2,72
1841	63,84	68,20	91	45	46		3	6	1	,5	11	1	7,5	15	15	3			1,72
1842	58,20	67,06	88	39	49	,5	2	1	,5	1,5	11	1	12,5	15	15	7			4,30
Mean.	60,05	65,93				,13	2,00	3,62	1,50	1,50	7,38	2,12	11,75	14,87	15,13				3,74
Total.						,5	8	14,5	6	6	29,5	8,5	47	59,5	60,50				14,96
JULY.																			
1839	73,28	75,46	90	61	29	2,5	1	,5	,5	1	7,5	8	10	19	12	6			4,44
1840	69,20	70,00	92	46	46	,5	3,5	2	3	1	4		17	20	11	5			2,74
1841	67,16	77,91	94	54	40	1	5		,5		9		15,5	20	11	6,5			4,04
1842	65,46	75,60	94	50	44	,5	4	1	1	2	9	1	12,5	23,5	7,5	2,5			3,93
Mean.	68,77	74,74				1,12	3,38	,87	1,25	1,00	7,38	2,25	13,75	20,62	10,38				3,79
Total.						4,5	13,5	3,5	5	4	29,5	9	55	82,5	41,5				15,15

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1839	66,46	66,60	86	40	46	,5	11,5	3	2		5	3,5	5,5	22	9	4			2,41
1840	66,44	67,19	88	47	41		2			4	13,5		11,5	12	19	9			5,41
1841	68,13	62,90	92	50	42		11		1		6		13	17,5	13,5	3			1,00
1842	67,01	66,33	86	46	40		12,5	1,5	4	4	2		7,5	25,5	5,5	,5			,97
Mean.	67,01	65,75				,12	9,13	1,12	1,75	2,00	6,63	,87	9,37	19,25	11,75				2,45
Total.						,5	36,5	4,5	7	8	26,5	3,5	37,5	77	47				9,79
SEPTEMBER.																			
1839	62,61	53,15	86	30	56		1		3,5	,5	13	4,5	7,5	17,5	12,5	6,5		,5	1,11
1840	60,18	55,50	76	32	44	,5	1		1,5	2	3,5	4,5	17	16,5	13,5	5			3,04
1841	70,80	61,60	88	36	52	2	7		5	3	1,5		11,5	6	24	6			3,57
1842	63,12	51,66	90	32	58	5	4	2,5	1		2	3,5	12	23	7	3,5			4,75
Mean.	64,18	55,48				1,88	3,25	,62	2,75	1,38	5,00	3,12	12,00	15,75	14,25				3,12
Total.						7,5	13	2,5	11	5,5	20	12,5	48	63	57				12,47
OCTOBER.																			
1839	54,02	49,53	77	20	57	1	4		1	2	10,5	5,5	7	20	11	3			,78
1840	52,15	43,62	78	28	50	,5	4	1	2,5	,5	11,5	2	9	10,5	20,5	7	,5	,5	2,43
1841	45,88	42,20	75	28	47		6	1	1,5	1	11,5		10	4	27	5,5	1		1,19
1842	50,33	43,87	76	30	46	9	1,5	1	1		2	8	8,5	21,5	9,5	2,5			2,20
Mean.	50,59	44,80				2,62	3,87	,75	1,50	,88	8,88	3,88	8,62	14,00	17,00				1,65
Total.						10,5	15,5	3	6	3,5	35,5	15,5	34,5	56	68				6,60
NOVEMBER.																			
1839	35,21	32,05	48	7	41	2	2,5	2	4	2	1	7	9,5	15,5	14,5	4,5	1,5		2,17
1840	42,67	33,74	62	25	37		1,5	1	10,5		5,5	4,5	7,5	5	25	3	4,5	,5	2,23
1841	38,41	32,55	53	18	35	1	3,5	1	6		5	1	12	3	27	5	4	,5	3,05
1842	41,68	25,70	62	4	58		1	1	5,5	2,5	3	2	16	11,5	18,5	3,5	3,5		4,61
Mean.	39,49	31,01				,75	1,87	1,25	6,50	1,12	3,63	3,63	11,25	8,75	21,25				3,01
Total.						3	7,5	5	26	4,5	14,5	14,5	45	35	85				12,06
DECEMBER.																			
1839	34,54	24,05	56	5	51	3	2		8,5	2	,5	5	10	17,5	13,5		5		4,52
1840	29,91	22,76	44	10	34	2	,5	3,5	4	3,5	7	5	5,5	4,5	26,5	2,5	9	,5	2,26
1841	37,83	23,63	49	12	37	2,5	3		5	1	9	2,5	8	2,5	28,5	25	5,5	1	2,75
1842	28,12	24,82	42	10	32	2	2		1		11	5,5	9,5	8	23	2	3		1,78
Mean.	32,60	23,81				2,38	1,88	,87	4,62	1,62	6,88	4,50	8,25	8,12	22,88				2,83
Total.						9,5	7,5	3,5	18,5	6,5	27,5	18	33	32,5	91,5				11,31

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gauge, total fall.	
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gauge, Monthly mean.		
	First Half.	Seco'd Half.																						
January, --	25.84	24.99	59	— 3	62	1.12	1.50	1.82	3.25	1.75	7.58	6.50	7.12	S 78° 30' W	40	12.10	8.75	22.25				2.50	10.38	
February, --	25.30	31.45	58	— 7	65	.88	1.25	1.25	3.25	2.12	7.58	4.37	7.37	N 67° 39' W	44	12.43	7.75	20.50				1.72	6.90	
March, --	32.18	36.49	65	4	61	2.12	4.50	3.00	3.25	2.12	5.25	4.62	7.88	N 53° 03' W	24	7.22	14.25	16.75				3.49	13.95	
April, ----	42.91	48.67	83	20	63	2.37	4.38	2.50	3.75	3.38	5.00	3.62	9.00	N 45° 00' W	25	8.45	15.33	14.62				2.64	10.57	
May, ----	48.95	60.25	89	30	59	.88	2.25	3.62	1.87	1.25	5.32	4.25	12.50	N 36° 51' W	57	17.25	17.75	13.25				2.47	9.87	
June, ----	60.05	65.93	91	39	52	.13	2.00	3.62	1.50	1.50	7.32	3.12	11.75	N 80° 88' W	42	12.72	14.87	15.73				3.79	14.96	
July, ----	63.77	74.74	94	46	48	1.12	3.38	.87	1.25	1.00	7.32	12.25	13.75	N 65° 47' W	48	14.51	20.62	10.38				3.79	15.15	
August, ---	67.01	65.75	92	40	52	.12	9.12	1.12	1.75	2.00	6.63	.87	9.37	N 60° 18' W	38	11.57	19.25	11.75				2.45	9.79	
September, --	64.18	55.48	90	80	60	1.83	3.25	.62	2.75	1.88	5.00	3.12	12.00	N 58° 26' W	59	11.66	15.75	14.25				3.12	12.47	
October, --	50.59	44.80	73	20	53	2.62	3.67	.75	1.50	.88	8.88	3.88	8.62	N 73° 27' W	40	12.00	14.00	17.00				1.65	6.60	
November, --	39.49	31.01	62	4	58	.75	1.87	1.25	6.50	1.12	3.63	3.63	11.25	N 77° 15' W	24	7.36	8.75	21.25				3.01	12.06	
December, --	32.60	23.81	56	5	51	2.38	1.88	.87	4.62	1.62	4.62	4.50	8.25	N 80° 24' W	31	9.37	8.12	22.88				2.82	11.31	
Mean. ----	46.49	47.11				1.41	3.27	1.78	2.73	1.24	6.29	3.64	9.99	N 14° 25' W	34	10.14	13.77	16.67				2.63	11.17	

Highest degree, July 24, 1841, - - - - - 94°
 Lowest degree, February 9, 1839, - - - - - 7
 Extreme range in 4 years, - - - - - 101
 Greatest monthly range in April.
 Least monthly range in July.

Mean monthly range, 57½°.
 Driest month, October.
 Wettest month, July.
 Total fall of rain and snow in 4 years, 11 feet 2.01 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1839	23.96	26.36	33.25	46.69	54.75	59.49	74.37	66.53	57.88	51.75	33.63	29.29	46.50	90	— 7	97	63	January 23,	July 1,	September 25,	September 27.
1840	19.93	32.12	36.29	43.48	58.12	63.82	69.60	66.81	57.84	47.55	34.20	26.33	46.78	92	0	92	60	January 2,	July 16,	September 12,	October 28.
1841	23.39	24.69	29.45	44.33	52.35	66.02	72.53	65.51	66.20	44.02	35.48	31.73	46.76	94	— 4	98	59	January 15,	July 24,	October 6,	October 23.
1842	29.18	30.35	38.85	46.15	52.66	62.63	70.53	66.67	57.39	47.10	33.69	26.47	46.80	94	3	91	62	January 25,	July 15,	September 22,	November 9.
Mean.	25.36	28.58	34.46	46.54	54.48	62.99	71.76	66.38	59.88	47.69	35.25	28.45	46.71								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1839	13	38	22,5	36	11	68,5	58	118	N 71° 32' W	33	121,28	199	166	49,5	22	2
1840	9	21,5	28	36,5	19,5	71	62,5	118	N 84° 33' W	35	127,63	160,5	205,5	55,5	26,5	4
1841	13	57	17,5	35	12	91,5	16,5	122,5	N 65° 08' W	26	93,19	116,5	248,5	48	32	6
1842	31,5	40,5	17,5	23,5	17	80	38	117	N 65° 18' W	34	126,05	185		38,5	21,5	
Mean.	16,62	39,25	21,37	32,75	14,87	77,75	43,75	118,87	N 70° 17' W	34	125,96	165,25	200			
Total.	66,5	157	85,5	131	59,5	311	175	475,5				661	500			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1839	4.25	2.42	3.18	2.79	3.20	6.22	4.34	2.41	1.11	.78	2.17	4.52	37.55	October, February, August.	June, August, March, September.
1840	2.11	1.70	2.96	1.82	3.60	2.72	2.74	5.41	3.04	2.43	2.23	2.26	33.12		
1841	2.51	1.65	2.13	3.65	1.12	1.72	4.04	1.00	3.57	1.19	3.05	2.75	30.68		
1842	1.51	1.97	2.68	2.30	1.65	4.00	3.93	.97	4.75	2.20	4.61	1.73	32.65		
Mean.	2.59	1.72	3.49	2.64	2.47	3.74	3.79	2.45	3.12	1.65	3.01	2.83	33.50		
Total.	10.88	6.90	13.95	10.56	9.87	14.96	15.15	9.79	12.47	6.60	12.06	11.91	134.00		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1839	11	23	8	9	27	3	2	17	24	3	30	2	1	13	23	30	4	27	27	20	14	25	7	31
1840	29	3	19	3	3	11	17	7	18	5	29	7	16	3	22	23	8	21	2	26	3	17	9	24
1841	6	18	22	11	23	15	25	10	23	2	8	2	24	10	18	1	10	30	31	24	13	28	9	21
1842	4	23	3	17	3	11	22	8	18	9	18	10	18	31	28	1	1	24	8	27	1	29	4	32

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1839	56	— 7	46	— 7	64	6	83	32	87	30	84	47	90	61	86	40	86	30	77	20	48	7	56	5
1840	42	0	64	7	58	13	80	20	86	32	87	45	92	46	83	47	76	32	78	28	62	25	44	10
1841	48	— 3	43	2	56	4	72	22	89	30	91	45	94	54	92	50	88	36	75	28	53	18	49	12
1842	59	2	58	6	65	8	81	19	85	33	88	39	94	50	86	46	90	32	76	30	62	4	42	10
Highest.	59		64		65		83		89		91		94		92		90		78		62		56	
Lowest.		— 7		— 7		4		19		30		39		46		40		30		20		4		5
Range.		66		71		61		64		59		52		48		52		60		58		58		51

SUMMARY OF OBSERVATIONS AT GOUVERNEUR WESLEYAN SEMINARY,

GOUVERNEUR, ST. LAWRENCE COUNTY, N. Y., DURING TWELVE YEARS.

Latitude N. 44° 25'; Longitude W. 75° 35'. Elevation above tide, 400 feet; on the north side of the Oswegatchie river. The soil around the academy is a light sandy loam. There are no hills or highlands in the immediate vicinity, likely to influence the direction of the winds. The general direction of the valleys and the primary ridges in the neighborhood corresponds with that of the river St. Lawrence, and with the prevailing winds.

OBSERVERS.

1831 '2, JOSEPH HOPKINS, Principal.

1833 '4, JOSEPH HOPKINS, Principal, and J. H. TYLER.

1835, JESSE H. TYLER, ERWIN H. BARNES and ANDREW J. HAILE.

1836, 1838, ERWIN H. BARNES, Student.

1839, DEXTER R. WRIGHT and JUSTIN T. ALDEN, Students.

1841, ERASTUS WENTWORTH and D. R. WRIGHT.

1842, D. R. WRIGHT, Teacher, and WM. D. CUMMINGS, Student.

1843, H. D. LANDY, A. M., Professor, and WM. D. CUMMINGS, Student.

1844 '5, H. D. LANDY, A. M., Professor.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1831	16,64	10,25	55	27	28		4,5	1	,5		6,5	14,5	4	23	8	1	1		
1832	18,39	19,82	52	—30	82		5,5		1	1,5	12,5	7,5	3	17	14	1,5	5,5		
1833	26,53	18,68	57	—31	88		6		2	2	8	7	6	17,5	13,5	3	4,5		1,66
1834	18,80	18,86	43	—14	57	2,5	2,5		,5	1,5	8	6	10	20	11	1,5	3	,5	1,17
1835	9,27	30,13	46	—35	81	3,5	2,5		2,5	3,5	7	6,5	5,5	17	14	4	3,5	,5	5,80
1838	31,64	19,59	53	28	25	3,5	1	,5	4	10,5	1	6	4,5	4,5	26,5	3,5	3,5		1,45
1839	25,53	8,95	44	—20	64	3,5	3,5	,5	1,5	1,5	11	1,5	8	11	20	2,5	4,5		3,30
1841	20,32	26,39	52	—24	76	5	1	3	2,5	9,5	3,5	6	,5	18	13				2,60
1842	16,99	28,18	56	—22	78		,5	,5	1	7,5	11,5	2,5	7,5	12,5	18,5	,5	3,5		1,10
1843	29,00	30,75	64	—2	66	3	1,5	,5	2	8,5	1,5	2	12	23	8	3	3		
1844	19,08	8,99	43	—28	71	5	2	2	7,5	5,5	2,5		6,5	14,5	16,5	2	4		2,60
1845	11,72	9,33	52	—23	75	12	6			5	1	3,5	3,5	4	27		5,5		3,21
Mean.	20,33	19,16				3,16	3,04	,67	2,08	4,71	6,17	5,25	5,92	15,17	15,83				2,54
Total.						38	36,5	8	25	56,5	74	63	71	182	190				22,89

FEBRUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1831	16,39	20,96	55	— 8	63		,5	2	,5	,5	11	12,5	1	15,5	12,5	,5	5		
1832	18,01	16,28	42	— 30	72	1,5	6,5	,5	1,5	3	8,5	4,5	3	14,5	14,5	1,5	7	,5	
1833	11,53	18,61	44	— 32	76	2	5	,5	1	,5	7	10	2	18,5	9,5		7		4,19
1834	27,69	35,35	59	— 16	75	2	3	2,5	4	5	8	1,5	2	18,5	9,5	2	2	1	1,19
1835	6,47	21,40	41	— 29	70	4	3,5	,5			9,5	6	4,5	14,5	13,5	2	5,5		2,22
1838	13,03	5,50	28	— 23	51	5		1	1	12	2	3,5	3,5	9,5	18,5		3,5		,24
1839	17,04	31,52	48	— 26	74	,5	6				20		1,5	20	8	1,5	5		,55
1841	13,50	21,59	45	— 24	69	1	1	,5	8	7,5	5,5	2,5	2	13,5	14,5		3		,12
1842	29,56	22,54	55	— 24	79	2	1	1		3	7	7,5	6,5	15,5	12,5	1	6		2,67
1843	11,83	12,63	36	— 23	59	4	1,5	,5		4,5	2,5	12,5	2,5	20,5	7,5		3		
1844	22,22	22,57	44	— 16	60	9	5		1	4,5	6		3,5	9,5	19,5		3		,45
1845	,92	31,28	52	— 30	82	8,5	1,5		,5	4	6	7,5		6	22	1	2,5	,5	5,20
Mean.	15,68	21,69				3,29	2,87	,75	1,46	3,71	7,75	5,67	2,67	14,67	13,50				1,87
Total.						39,5	34,5	9	17,5	44,5	93	68	32	176	162				16,83
MARCH.																			
1831	36,35	39,01	63	5	58		1		,5	,5	12	15	2	11	20	6	2,5		
1832	34,01	32,23	68	— 15	83	2,5	2,5		1,5	6,5	10,5	4,5	3	19	12	2	4,5		
1833	17,02	39,60	66	— 30	96	1	3,5	,5	1,5	3,5	8	4,5	8,5	22,5	8,5	1	1,5		,77
1834	33,63	32,67	62	— 3	65		3,5		1,5	7	12	,5	6,5	17	14	4	3		1,93
1835	25,12	30,72	53	— 13	66	2,5	7,5			2	8,5	4,5	6	17	14		3		3,25
1838	31,46	33,67	58	— 18	76	13	,5		1	11,5		2,5	2,5	14,5	16,5		1,5		,50
1839	25,72	31,90	60	— 5	65	,5	4,5			1,5	17	,5	7	16	15	2	4	,5	,60
1841	18,34	30,88	32	— 27	59	2,5	6,5		,5	1,5	10	6	4	15	16	2	3,5	,5	2,46
1842	34,02	40,31	60	14	46	8	2,5			3	10	1,5	6	9	22	4	3		1,09
1843	20,77	27,16	52	— 14	66	4,5		2			13	10,5	1	28	3		3		
1844	33,26	28,95	49	— 4	53	5,5	7,5		3	5,5	4		5,5	10,5	20,5	3,5	3,5		1,68
1845	32,22	35,35	72	10	62	12	1,5			5	6,5	4	2	9,5	21,5	3,5	5		2,85
Mean.	28,49	33,54				4,33	3,42	,21	,79	3,96	9,29	4,50	4,50	15,75	12,25				1,68
Total.						52	41	2,5	9,5	47,5	111,5	54	54	189	183				15,13
APRIL.																			
1831	43,28	49,71	70	30	40	,5	3,5	2,5	2,5	,5	7,5	9,5	3,5	15	15	4	3		
1832	37,52	44,35	70	17	53	1,5	6	,5	1	1	8,5	7,5	4	18,5	11,5	5,5	1,5		
1833	45,63	52,25	83	13	70	1,5	3,5		,5	3,5	10	1	10	17	13	2	,5		1,32
1834	51,65	47,46	83	20	63	2	4	2,5	4,5	2,5	6,5	2,5	5,5	16,5	13,5	4,5			1,85
1835	45,32	32,07	78	13	65	1	2			2,5	7,5	3	14	16	14	3,5	2,5		8,25
1838	34,04	35,06	56	12	44	4	2,5	1,5	1,5	12	2	5,5	1	9	21	2		,5	,50
1839	43,97	44,62	78	18	60	6,5	1,5	,5	4,5	2	6	1,5	7,5	18,5	11,5	4			,96
1841	31,33	45,12	80	17	63	2,5	8,5	1	1	4	6	4,5	2,5	10,5	19,5	3	2,5	1	,90
1842	45,95	53,43	75	18	57	5	9	1		3	8,5	1	2,5	16,5	13,5	3	,5		,26
1843	43,31	49,93	70	10	60	1	1,5			7,5	8,5	6,5	5	26,5	3,5	2			
1844	49,53	54,10	85	10	75	10	5	,5	1	2	2,5	1	8	21,5	8,5	,5			,40
1845	35,24	50,90	77	18	59	10,5	1,5		1,5	10,5	4	1,5	,5	2	28	4	2,5		3,02
Mean.	42,23	46,58				3,83	4,04	,83	1,50	4,25	6,46	3,75	5,34	15,62	14,38				1,94
Total.						46	48,5	10	18	51	77,5	45	64	187,5	172,5				17,46

MAY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1831	50,73	61,26	75	31	44		3,4	1	2,5		12	9,5	2,5	19,5	11,5	4,5	1,5	1	
1832	54,93	51,89	86	27	59		6,5		1,5	,5	8,5	9	5	17	14	5			
1833	58,62	63,49	81	31	50	2,5	5	,5	,5	3,5	15,5	1	2,5	17,5	13,5	4,5			3,81
1834	46,71	64,65	88	25	63	2	3			2,5	10	4,5	9	20,5	10,5	3	1,5		2,52
1835	49,14	60,89	84	22	62		7		1,5		14	2	6,5	25,5	5,5	3,5			3,95
1838	46,36	52,87	85	24	61	6,5	1,5	,5	1,5	14,5	3	1,5	2	11	20	6			2,03
1839	47,36	52,12	74	30	44	4			1,5	6	16,5	1	2	16	15	5	,5		3,14
1841	43,73	60,81	87	25	62	3,5	3	,5		1,5	13	2,5	7	13,5	17,5	6,5	,5		1,69
1842	51,34	57,77	80	40	40	6	,5		1	3,5	16		4	15	16	4,5			,77
1843	57,55	67,85	94	32	62	2	3,5			10,5	5	9	1	23	8	6			
1844	57,55	62,00	81	40	41	7	6		4		1,5	1	11,5	12,5	18,5	5,5			1,99
1845	51,20	46,56	86	27	59	8,5	,5	,5		10	4	4,5	3	3	28	2		,5	2,10
Mean.	51,27	58,51				3,50	3,33	,25	1,17	4,37	9,92	3,79	4,67	16,17	14,83				2,44
Total.						42	40	3	14	52,5	119	45,5	56	194	178				22,00
JUNE.																			
1831	65,77	63,22	95	33	62		3,5	,5			11,5	12	2,5	22,5	7,5	5,5			
1832	60,88	65,25	87	40	47	1	3,5	3	,5		15,5	3,5	3	21,5	8,5	3			
1833	56,26	64,89	84	38	46	4	1,5		1,5	2,5	16,5	1,5	2,5	12	18	7,5			4,27
1834	63,08	64,53	92	42	50		1,5		1,5	3	12	2,5	9,5	21	9	5			5,79
1835	67,49	59,28	90	38	52		,5	6,5		4	16		3	21	9	5			2,69
1838	64,57	68,17	85	44	41	5	1	1,5	2,5	8,5	5,5	5	1	11	19	3			1,00
1839	55,06	56,93	78	34	44	6,5	4,5	,5	,5	2	10	1	5	20	10	1,5			2,88
1841	74,06	68,84	90	41	49	3,5	4,5	,5	1	4,5	9,5	3	3,5	13	17	7			1,82
1842	57,29	66,99	86	42	44	3	1			7	12	3,5	3,5	17,5	12,5	4,5			,66
1843	60,75	61,51	82	36	46	3	4,5	2	8	6,5	1,5	1	3,5	20,5	9,5	4			
1844	58,69	68,00	89	40	49	4	8		1	2,5	2,5	,5	11,5	14	16	2,5			2,63
1845	67,06	61,25	87	42	45	5	1		1	13	7	1	2	20,5	9,5	8			4,23
Mean.	62,58	64,07				2,96	3,42	,66	1,46	4,46	9,06	2,87	4,21	17,88	12,12				2,89
Total.						35,5	41	8	17,5	53,5	119,5	34,5	50,5	214,5	145,5				25,97
JULY.																			
1831	67,22	67,17	90	50	40				,5		13,5	12,5	4,5	16,5	14,5	10,5			
1832	69,66	65,34	98	45	53		3	2		,5	5	19	1,5	20,5	10,5	6,5			
1833	67,96	64,43	87	49	38	3	1,5			1	14,5	2	9	20,5	10,5	5			2,75
1834	74,00	67,56	98	40	58	3				2,5	19	2,5	4	23,5	7,5	1,5			,84
1835	65,27	69,59	85	37	48		2		,5	1	17,5	6	4	23	8	5			4,85
1838	73,16	62,55	93	42	51	3	2,5		1	5,5	12,5	4	2,5	16,5	14,5	3			1,60
1839	64,07	69,15	84	52	32	2,5	,5			1	19	3,5	4,5	19,5	11,5	3			3,52
1841	64,97	70,06	94	47	47	2,5	,5			1,5	11,5	3,5	11,5	17	14	5,5			2,69
1842	64,60	73,65	100	45	55	2,5	,5				20,5	2,5	5	23,5	7,5	4,5			,77
1843	72,47	73,69	95	45	50		,5	2	,5	4	12,5	10,5	1	16,5	14,5	5			
1844	69,18	74,34	94	53	41	5,5	3		4,5	7	1	,5	9,5	19	12	2,5			3,35
1845	66,63	76,03	99	46	53	7	,5			12	8	2,5	1	11	20	1,5			,69
Mean.	68,26	69,46				2,42	1,21	,33	,58	3,00	12,88	5,75	4,83	18,92	12,08				2,34
Total.						29	14,5	4	7	36	154,5	69	58	227	145				21,06

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1831	67,26	68,70	92	42	50	,5	3	4	2,5		12,5	8,5		25	6	3			
1832	67,05	62,92	86	38	48		1,5	3,5			11	12,5	2,5	21	10	4,5			
1833	55,59	61,81	90	40	50	3	1			2	18,5		6,5	20,5	10,5	7			5,79
1834	71,52	62,68	96	40	56	3,5	3		1	3	6,5	1	13	20	11	2			1,52
1835	65,14	64,41	92	47	45	,5	2,5			3	10,5	3	11,5	21,5	9,5	5			4,85
1838	67,73	61,51	88	36	52	2	3,5			,5	16	2	7	18	13	5,5			2,80
1839	68,17	61,86	86	32	54	6,5	5,5	,5		3	3	4,5	8	19,5	11,5	4,5			,16
1841	68,34	71,34	92	39	53	4				11	12,5	3	,5	18,5	12,5	3,5			1,55
1842	69,40	72,06	89	35	34		15,5	1,5	1,5	,5	5,5	4,5	2	28,5	2,5	2			,09
1843	67,92	74,91	89	49	40	4,5	4	,5	3	2,5	9,5	6	1	20,5	10,5	1			
1844	68,22	71,93	92	44	48	5	9		12		1		4	6,5	24,5	4,5			3,07
1845	73,72	76,05	99	52	47	5,5	,5	3,5	2,5	7,5	6,5	3,5	1,5	7	24	,5			,10
Mean.	67,50	67,51																	
Total.						2,92	4,08	1,12	1,87	2,75	9,42	4,04	4,79	18,87	12,12				2,21
						35	49	13,5	22,5	33	113	48,5	57,5	226,5	145,5				19,93

SEPTEMBER.																			
1831	60,45	54,76	78	37	41			1	1,5		8	17	2,5	13	17	8			
1832	55,81	61,55	84	29	55			1		3	12,5	11	2,5	17	13	7			
1833	58,33	58,28	87	32	55	4	2,5		,5	3,5	7,5	6	6	19,5	10,5	3			2,41
1834	63,17	57,64	90	26	64	1,5			,5	6	8,5	6,5	7	17	13	3			2,54
1835	55,46	50,49	79	22	57				2,5	3,5	11,5	2	10,5	18	12	4			2,44
1838	56,15	53,54	81	27	54	,5	3,5			,5	12,5	1	7	15	15	1			1,84
1839	57,59	48,88	82	24	58	1			3	4	13	4,5	4,5	16	14	6,5	,5		1,34
1841	66,60	58,97	89	43	46	5	2		1	5	8	2	7	13	17	6			3,14
1842	63,83	54,56	80	26	54	5	3,5			1,5	8,5	3,5	8	21	9	2,5			2,69
1843	67,10	59,25	82	25	57	4	5,5		10	5	2,5	2,5	,5	25,5	4,5	3			
1844	66,99	52,73	93	22	71	6,5	9		4,5		4		6	9,5	20,5	1			1,45
1845	57,97	56,41	79	33	46	6				3,5	6,5	9	5	3,5	26,5	6,5			6,07
Mean.	60,79	55,59																	
Total.						2,79	2,58	,17	1,96	2,95	8,58	5,42	5,54	15,17	14,83				2,65
						33,5	31	2	23,5	35,5	103	65	66,5	182	172				23,92

OCTOBER.																			
1831	47,46	46,27	74	21	53	,5	2	1		1	8,5	15,5	2,5	15,5	15,5	6,5		1,5	
1832	49,85	47,11	68	19	49	1	2	1,5	1,5	1	7	13	4	18	13	7			
1833	52,01	42,07	74	15	59	1,5			,5		15	6	8	11,5	19,5	8	,5		3,38
1834	49,68	40,00	70	11	59	4,5	2		1	6	5,5	1,5	10,5	11,5	19,5	4,5			3,73
1835	46,62	55,98	75	22	53		2,5	,5	,5	10	8,5	5	4	9,5	21,5	5			4,57
1838	47,56	35,09	73	10	63	,5	1	1		1,5	18,5		8,5	6	25	10,5	1,5		5,00
1839	47,15	48,16	76	10	66	5,5	4		,5	4	10	4,5	2,5	18,5	12,5	2,5			,60
1841	45,40	39,48	67	12	55	5	4,5			4	6	2,5	9	6,5	24,5	5	3		1,03
1842	54,08	45,68	68	26	42	3,5	,5				13	6	8	20	11	3			2,74
1843	55,33	43,87	80	20	60	5	4,5	4	4,5	3	6	3	1	21,5	9,5	9	3		
1844	46,10	42,23	70	22	48	7	10	,5	3,5	1	6	,5	2,5	10	21	5	1,5		5,39
1845	55,11	48,32	72	18	54	5,5				8,5	5,5	9,5	2	8,5	22,5	3			2,37
Mean.	49,69	44,52																	
Total.						3,29	2,75	,71	1,00	3,33	9,12	5,58	5,21	13,08	17,92				3,20
						39,5	33	8,5	12	40	109,5	67	62,5	157	215				28,81

NOVEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1831	38,25	30,87	57	13,44		3		4			1,5	17	4,5	8	22	4	5		
1832	36,09	33,66	63	11,52			3,5	1	1	12	6	5,5	12	18	6,5	3,5			
1833	42,29	48,95	60	11,49		2,5	3,5			4,5	9,5	6	4	11,5	18,5	3	2		1,79
1834	35,88	30,90	54	2,52		7,5	3,5		1	2	2,5	1	12,5	11,5	18,5	5	2		2,63
1835	38,76	25,38	62	-17,79		2,5	2		,5	13,5	2	5,5	4	9,5	20,5	3	3	,5	2,82
1838	31,46	18,74	54	-12,66		4,5	1			6,5	12,5	1,5	4	6,5	23,5	3,5	5,5	1	2,34
1839	32,40	24,81	48	2,46		5	3,5	,5		6	7	4,5	3,5	5,5	24,5	2,5	6		1,10
1841	38,49	28,67	73	2,71		4,5	5			3	4,5	2,5	10,5	1,5	28,5	3	1,5		2,35
1842	38,93	26,18	48	10,38		4	4	,5	,5	5	7,5	3	5,5	26	4	,5	1,5		1,80
1843	30,04	30,45	42	-2,44				8	2	7	4,5	7	1,5	24,5	5,5	1	2		
1844	35,53	28,69	56	7,49		12	3		9	1	1		4	30	3,5	1			1,15
1845	40,66	33,94	59	-10,69		8,5				9	3,5	3,5	5,5	3,5	26,5	4,5	2		3,51
Mean.	36,56	30,10				4,50	2,42	1,17	1,17	4,87	5,66	4,79	5,42	10,00	20,00				2,16
Total.						54	29	14	14	58,5	68	57,5	65	120	240				19,49

DECEMBER.																			
1831	10,75	11,45	33	-27,60		,5	3,5				8,5	11	7,5	16	15		10,5		
1832	25,51	21,84	44	-12,56			5,5	2	,5	2	8,5	7	5,5	18,5	12,5	2,5	3,5		
1833	23,15	26,72	49	-16,65			7	2,5	3,5	1	10,5	5	1,5	21	10	1	4	,5	1,66
1834	22,21	9,54	42	-27,69			9,5		,5	1	6	1,5	12,5	10	21	,5	6,5		,95
1835	13,38	20,48	41	-40,81		4,5	2	1	1,5	7,5	2,5	7	5	8,5	22,5		8		,47
1838	19,47	12,13	34	-30,64		1	2			1	22,5	,5	4	5	26	1	11		,72
1839	29,40	10,88	55	-17,72		13,5	2,5	,5		7,5	2,5	4	,5	9	22	1	6,5		1,48
1841	31,58	15,80	45	-18,63			8	1,5		5	8,5	5	3	2	29	5,5	5,5		2,42
1842	23,78	19,67	44	-22,66		6,5	5,5		,5	6	2	3	7,5	25	6		4,5		4,30
1843	27,86	30,29	44	-6,50		3,5	3	1,5	2	6,5	10,5	3,5	,5	5	26		3		
1844	23,24	22,27	44	-16,60		13	7,5		4	2,5	3		1	4,5	26,5	,5	2		1,30
1845	11,77	16,67	41	-28,69		17,5	4		,5	6,5	1	1,5		8,5	22,5		4		1,76
Mean.	21,84	18,14				5,00	5,00	,75	1,08	3,88	7,17	4,08	4,04	11,08	19,92				1,67
Total.						60	60	9	13	46,5	86	49	48,5	133	239				15,06

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gauge, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gauge. Monthly mean.	
	First Half.	Seco'd Half.																					
January, -	20,33	19,16	64	-35	99	3,17	3,04	,67	2,08	4,71	6,17	5,25	5,92	32	9,56	15,17	15,83					2,54	22,59
February, -	15,65	21,69	59	-32	91	3,29	2,87	,73	1,46	8,71	7,75	5,67	4,65	32	9,65	14,67	13,50					1,87	16,43
March, - - -	28,44	38,54	72	-30	102	4,33	3,42	,91	1,79	8,96	9,29	4,50	4,50	34	10,30	16,75	12,25					1,63	15,13
April, - - -	42,23	46,53	85	10	75	3,83	4,04	,21	1,50	4,25	6,46	3,75	5,34	27	22	6,26	15,62	14,38				1,94	17,46
May, - - -	51,27	53,51	94	22	72	3,50	3,33	,17	1,17	4,87	9,92	3,79	4,65	33	36	10,83	16,17	14,63				2,44	22,00
June, - - -	62,53	64,07	95	33	62	2,96	3,42	,46	1,46	4,46	9,96	2,87	4,21	30	64	9,71	17,88	12,12				2,89	25,07
July, - - -	68,26	69,46	100	87	63	2,42	1,21	,33	,55	3,00	12,88	5,75	4,88	29	70	17,67	18,92	12,07				2,34	21,06
August, - - -	67,50	67,51	99	32	67	2,92	4,18	1,12	1,87	2,75	9,42	4,64	4,79	30	8,95	18,87	12,13					2,21	19,93
September, -	60,79	55,59	93	22	71	2,79	2,58	,17	1,96	2,95	8,58	5,42	5,54	33	8,81	15,17	14,83					2,59	22,32
October, - -	49,69	44,52	80	10	70	3,24	2,75	,47	1,00	3,33	9,12	5,58	5,21	32	8,82	14,08	17,92					3,20	28,81
November, -	36,56	30,19	73	-17	90	4,50	2,42	1,17	1,17	4,87	5,67	4,79	5,42	33	9,50	10,00	20,00					2,16	19,49
December, -	21,84	18,14	55	-40	95	5,00	5,00	,75	1,08	3,88	7,17	4,08	4,04	33	8,80	11,08	19,92					1,67	15,06
Mean, - - -	43,77	44,08				3,50	3,18	,64	1,34	3,55	8,50	4,62	4,76	32	11,26	15,13	15,31					2,29	20,66

Highest degree, July 29, 1830. - - - - - 100°
 Lowest degree, December 16, 1835. - - - - - -40°
 Extreme range in 12 years. - - - - - 140°
 Greatest monthly range in March.
 Least monthly range in June.

Mean monthly range, 79°.
 Driest month, December.
 Wettest month, October.
 Total fall of rain and snow in 9 years, 20 feet 7,95 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1831	18.44	18.17	37.68	46.49	55.91	64.49	67.20	68.18	57.60	46.86	34.56	11.10	33.15	95	-27	122	63	December 22,	August 16,	September 18,	October 27.
1832	19.10	17.18	32.19	40.93	53.41	63.06	67.50	64.98	58.68	48.48	34.87	23.67	13.66	98	-30	129	52	February 24,	July 6,	September 18,	November 6.
1833	22.60	15.07	28.81	43.94	61.05	60.57	66.19	58.70	58.80	46.04	45.42	24.93	11.69	90	-32	123	96	February 24,	August 21,	September 1,	October 27.
1834	18.83	31.52	33.15	49.50	55.68	63.80	70.78	67.10	60.40	44.84	33.89	15.87	15.40	97	-27	125	75	December 15,	July 2,	August 25,	October 28.
1835	19.70	13.93	27.92	41.69	55.04	63.39	67.43	64.77	52.97	51.80	32.07	16.93	12.35	92	-30	132	81	December 17,	June 19,	September 15,	November 12.
1836	25.61	9.26	32.57	34.55	49.61	66.37	67.85	64.62	51.84	41.32	25.10	13.80	40.62	93	-30	123	76	January 30,	July 4,	September 3,	October 28.
1839	17.24	24.28	28.81	44.29	49.74	55.99	66.61	61.51	53.23	47.65	28.60	20.14	41.51	86	-26	112	74	January 23,	July 20,	September 18,	September 27.
1841	23.35	17.54	24.61	38.22	52.27	71.45	67.51	69.84	62.78	42.44	33.58	23.69	14.35	94	-27	121	79	February 12,	July 24,	October 1,	October 24.
1842	22.58	26.05	37.16	49.69	54.55	62.10	69.12	70.73	59.19	42.88	32.55	21.42	46.25	100	-24	124	79	January 13,	July 29,	September 25,	November 18.
1843	29.87	12.23	23.96	46.62	62.70	61.15	73.08	71.41	63.17	49.60	30.24	29.07	46.09	92	-23	113	66	February 8,	July 16,	September 6,	October 17.
1844	14.02	22.39	31.10	50.31	59.77	63.34	71.76	70.07	59.86	44.16	32.61	22.76	45.18	94	-25	122	75	January 31,	July 31,	September 24,	October 28.
1845	10.52	16.10	33.78	43.07	48.88	67.44	71.33	74.88	57.19	51.71	37.30	14.22	43.87	99	-30	129	82	February 13,	August 10,	September 12,	October 14.
Mean.	19.74	18.64	30.93	44.53	54.89	63.59	68.86	67.23	58.18	47.02	33.79	19.97	43.95								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1831	5	25	17	11	2,5	113	154,5	37	S 79° 16' W	61	221,95	200,5	164,5	53,5	28,5	2,5
1832	7,5	46	15	10	20	120	105	42,5	S 75 32 W	47	171,74	214,5	151,5	52,5	25	,5
1833	25	40	4	11,5	27,5	140,5	50	66,5	S 77 28 W	44	159,72	210,5	154,5	45	19,5	1
1834	28,5	35,5	5	16	42	105,5	30,5	102	S 89 05 W	37	135,86	207	158	36,5	18,5	1,5
1835	19	40	3	9,5	50,5	115	50,5	78,5	S 76 37 W	42	154,53	201	164	40	20,5	1
1838	48,5	25	6	12,5	84,5	108	33	47,5	S 57 39 W	36	130,76	126,5	238,5	39	26,5	1,5
1839	55,5	36	3	11,5	38,5	135	31	54,5	S 80 01 W	36	130,38	177,5	187,5	36,5	27	,5
1841	39	44,5	7	14	58	98,5	43	61	S 77 26 W	30	110,08	142	223	47	16,5	4,5
1842	45,5	44	4,5	4,5	40	122	38,5	66	S 87 17 W	36	132,74	230	135	30	19	0
1843	34,5	30	21	32	65,5	77,5	74	30,5	S 52 29 W	29	107,81	255	110	34	17	0
1844	89,5	75	3	55	31,5	35	3,5	73,5	N 8 25 E	28	100,45	132	234	31	15	0
1845	103	16,5	4	6	89	66,5	53	27	S 86 15 W	27	99,42	71,5	293,5	30,5	21,5	1
Mean.	41,71	38,12	7,63	16,13	45,79	103,04	55,54	57,21	S 67° 09' W	13	48,68	180,66	184,50			
Total.	500,5	457,5	91,5	193,5	549,5	1236,5	666,5	686,5				2168	2214			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1833	1,66	4,19	,77	1,82	8,51	4,27	2,75	5,79	2,41	3,38	1,79	1,66	83,50	March.	August.
1834	1,17	1,19	1,93	1,85	2,52	5,79	,84	1,52	2,54	3,73	3,63	,95	26,66	July.	June.
1835	5,80	2,22	8,25	8,25	8,95	2,69	4,85	4,85	2,44	4,57	2,82	,47	46,19	December.	April.
1838	1,45	,24	,50	,50	2,03	1,00	1,60	2,80	1,84	5,90	2,34	,73	20,02	February.	October.
1839	3,30	,55	,60	,96	8,14	2,88	3,52	,16	1,34	,60	1,10	1,48	19,63	August.	July.
1841	2,60	,12	2,46	,99	1,69	1,82	2,69	1,55	3,14	1,03	2,35	2,42	22,77	February.	September.
1842	1,10	2,67	1,09	,26	,77	,66	3,77	,09	2,69	2,74	1,80	4,30	18,94	April.	December.
1844	2,60	,45	1,68	,40	1,99	2,63	3,35	3,07	1,45	5,39	1,15	1,30	25,46		October.
1845	3,21	5,20	2,85	3,02	2,10	4,23	,69	,10	6,07	2,37	3,51	1,76	35,01		
Mean.	2,54	1,87	1,68	1,94	2,44	2,89	2,34	2,21	2,59	3,20	2,16	1,67	27,61		
Total.	22,89	16,83	15,13	17,46	22,00	25,97	21,06	19,93	23,52	28,81	19,49	15,06	248,45		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1831	4	20	28	20	23	20	18	12	29	9	1	23	2	10	21	28	10	30	17	28	10	29	24	22
1832	18	25	2	24	25	1	26	5	13	2	15	6	6	21	13	25	19	13	18	28	1	30	31	21
1833	4	19	17	24	19	4	29	14	18	3	21	9	21	25	5	29	5	14	17	30	9	30	31	14
1834	17	23	21	7	18	21	7	4	26	14	23	2	9	18	5	27	11	28	17	24	4	15	1	15
1835	26	2	21	3	26	3	12	17	24	8	10	20	24	8	12	31	5	30	20	31	4	30	20	16
1838	4	30	8	20	23	2	26	16	21	3	11	1	4	22	6	27	22	23	4	31	4	24	5	30
1839	11	23	21	6	8	3	6	20	24	7	26	1	20	7	21	29	22	27	9	20	14	21	8	31
1841	7	3	20	12	25	16	24	10	24	2	6	3	24	2	18	23	3	30	31	25	1	28	19	20
1842	19	13	2	17	17	6	24	1	18	7	18	6	29	8	13	1	1	22	1	20	6	27	4	31
1843	21	1	26	8	28	3	22	2	26	2	19	14	16	30	25	1	1	11	3	26	6	13	24	13
1844	16	31	29	24	1	21	14	1	25	21	19	10	31	7	1	21	19	28	25	31	17	28	22	20
1845	3	18	21	3	29	21	23	8	12	15	8	16	13	1	10	28	4	22	8	21	1	28	14	23

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1831	55	-27	55	-8	63	5	70	30	75	31	95	33	90	50	92	42	78	37	74	21	57	13	33	-27
1832	52	-30	42	-30	68	-15	70	17	86	27	87	40	98	45	86	38	84	29	68	19	63	11	44	-12
1833	57	-31	44	-32	66	-30	83	13	81	31	84	38	87	49	90	40	87	32	74	15	60	11	49	-16
1834	43	-14	59	-16	62	-3	83	20	88	25	92	42	98	40	96	40	90	26	70	11	54	2	42	-27
1835	46	-35	41	-29	53	-13	78	13	84	22	90	38	85	37	92	49	79	22	75	22	62	-17	41	-40
1838	52	-28	28	-23	58	-18	56	12	85	24	85	44	93	42	88	36	81	27	73	10	54	-12	34	-30
1839	44	-20	48	-26	60	-5	78	18	74	30	78	34	84	52	86	32	82	24	76	10	48	2	55	-17
1841	52	-24	45	-24	52	-27	80	17	87	25	90	41	94	47	92	39	89	43	67	12	73	2	45	-18
1842	56	-22	55	-24	60	14	75	18	80	40	86	42	100	45	89	35	80	26	68	26	48	10	44	-22
1843	64	-2	36	-23	52	-14	70	10	94	32	82	36	95	45	89	49	82	25	80	20	42	-2	44	-6
1844	43	-28	44	-16	49	-4	85	10	81	40	89	40	94	53	92	40	93	22	70	22	56	7	44	-16
1845	52	-23	52	-30	72	10	77	18	86	27	92	44	99	46	99	52	79	33	72	18	59	-10	41	-28
Highest.	64		59		72		85		94		95		100		99		93		80		73		55	
Lowest.		-35		-32		-30		10		22		33		37		32		22		10		-17		-40
Range.		99		91		102		75		72		62		63		67		71		70		90		95

SUMMARY OF OBSERVATIONS AT GRANVILLE ACADEMY,

NORTH GRANVILLE, WASHINGTON COUNTY, N. Y., DURING FOURTEEN YEARS.

Latitude N. 44° 20'; Longitude W. 73° 17'.

Kendall's thermometer was used at this station, which, being twice broken, was replaced by one made by Barrett, of London. The rain gage was the common one, with cylinder and floats, furnished by the Regents. It was placed on a level with the ground.

A river runs about 100 rods westerly, north of the academy, which is on a plain of gravelly soil, and some 75 or 100 feet above the river. On the south, the ground gradually rises for 60 or 80 rods; and southwesterly, at the distance of half a mile, the surface is more hilly.—JOHN C. PARKER, *in a letter to the Editor*.

OBSERVERS.

1835, JOHN C. PARKER, Trustee.

1846 to 1849, inclusive, JOHN C. PARKER, Esq., a Trustee.

1836 to 1845, except 1837, E. T. MACK, Principal.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1835	7,16	32,45	48	—31	79	18,5	,5		1		9	1	1	13,5	17,5	3,5	,5	1	2,99
1836	28,50	16,02	46	—12	58	14,5	8,5			1	4,5	1,5	1	12,5	18,5	1,5	4,5		2,82
1838	31,27	18,71	49	—23	72	7	1		1	5	9,5	4,5	3	13	18		1,5		1,33
1839	23,65	16,38	48	—28	76	13			2	6,5	6	1	2,5	23	8	2	3		1,79
1840	9,07	14,24	42	—22	64	17,5			4	8	1	,5		12,5	18,5	1	1,5		2,10
1841	21,69	31,20	60	—18	78	12,5		,5		12,5	1,5	1,5	2,5	19	12	3	4,5	,5	1,98
1842	21,50	25,28	45	—16	61	7			,5	17,5	3	1	2	24,5	6,5	1,5	1,5	,5	,64
1843	26,44	28,25	56	—17	73	11,5	2	1	2	7,5	3	1	3	20,5	10,5	1	2,5		,45
1844	16,38	3,24	46	—31	77	18,5	2			6	1	1	2,5	17,5	13,5	3	8		2,46
1845	23,73	19,87	43	—14	57	22	,5			5	3		,5	17	14	3	6		3,30
1846	26,04	13,28	44	—24	68	7,5			3,5	3	14	2	1	17,5	13,5	1,5	2,5	,5	2,36
1847	27,26	16,52	48	—10	38	7		,5	1,5	1,5	14,5	3,5	2,5	12,5	18,5	1	4		3,03
1848	21,98	28,26	50	—30	80	13			,5		11,5	4	2	16	15	4	5		3,09
1849	10,31	19,94	48	—22	70	11				1	12,5	3	3,5	20	11	1	1	1	,80
Mean.	21,07	20,29				12,89	1,04	,14	1,14	5,32	6,72	1,82	1,93	17,07	13,93				2,08
Total.						180,5	14,5	2	16	74,5	94	25,5	27	239	195				29,14

FEBRUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1835	16,10	25,78	42	-11	53	10	,5			,5	14	1	2	10	18	1	3		1,08
1836	10,86	16,62	53	-24	77	5	7		1	6	8,5	1	,5	20,5	8,5	2	5		3,52
1838	14,00	10,71	38	-15	53	13	3,5			4	2,5	3	2	15	13		2		,59
1839	15,34	35,95	48	-15	63	8	2			15	2	1		23,5	4,5		1,5		1,35
1840	24,69	35,09	52	-10	62	7,5			3	5	11,5	1	1	20	9	3	1		1,60
1841	19,27	23,17	50	5	45	7,5	1,5		,5	17	1		,5	25,5	2,5		2,5		,26
1842	32,32	25,21	47	-2	49	7			2,5	9,5	5	1,5	2,5	20,5	7,5	1	3,5		1,07
1843	15,78	13,57	36	-20	56	10,5	1	,5	4	5	4		3	20,5	7,5		4,5		1,17
1844	16,17	21,80	49	-21	70	10	1		5,5	8,5	2	1	1	22,5	6,5		4		1,03
1845	9,06	36,87	55	-19	74	11			2	10	4		1	21,5	6,5	3	2		1,32
1846	16,53	13,09	42	-25	67	11,5	,5	1,5	1		9,5	4		13,5	14,5		3		1,62
1847	23,42	15,80	46	-16	62	13	1,5		1,5	1	6	1,5	1,5	11	17	1	3,5		2,32
1848	17,40	24,85	46	-14	60	11,5		2,5	4,5	,5	6,5	1	2,5	18,5	10,5	2	7		1,94
1849	15,26	17,81	48	-24	72	14,5		2,5	2,5	1,5	3,5	1,5	2	14,5	13,5		6		1,08
Mean.	17,59	22,59				10,00	1,32	,61	1,96	6,04	5,71	1,25	1,39	18,36	9,93				1,42
Total.						140	18,5	8,5	27,5	84,5	80	17,5	19,5	257	139				19,95
MARCH.																			
1835	29,51	31,75	56	-4	60	13	,5		1		13,5	1	2	14	17		3		1,20
1836	24,61	33,73	52	0	52	7,5	,5	,5	2,5	8,5	6	3	2,5	26,5	4,5	2	2,5		,65
1838	29,91	35,35	58	0	58	13,5	2,5	1		4,5	7,5	2		14	17		2		,39
1839	28,54	35,43	61	-14	75	14				10	3	1	3	22,5	8,5	2,5	1,5		1,66
1840	29,97	39,37	61	-1	62	13		1	3,5	3,5	8	1	1	16	15	4	3,5		1,71
1841	34,01	35,12	58	0	58	15	1		1,5	12	1	,5		23	8	2	4		2,30
1842	34,66	37,40	61	8	53	9,5	1		3	10,5	4	1	2	18,5	12,5	2,5	4		2,48
1843	17,82	25,84	45	-7	52	11	4	1	3	5,5	5,5	,5	,5	20	11	,5	5	,5	3,66
1844	33,26	28,95	49	-4	53	5,5	7,5		3	5,5	4		5,5	10,5	20,5	3,5	3,5		1,68
1845	32,24	35,20	69	7	62	9				13	6	2	1	18	13	2	4		1,18
1846	27,95	37,85	54	-16	70	12,5			2	4	9,5	2	1	18	13	3			1,65
1847	23,76	29,31	50	-2	52	13			2	,5	10,5	1,5	3,5	17,5	13,5	,5	2		1,53
1848	23,64	36,37	68	-8	76	12	,5	,5		2,5	12,5	2,5	,5	16,5	14,5	3	4		2,23
1849	28,36	39,62	60	6	54	16			2	3,5	8,5	,5	,5	11,5	19,5	6	2	1	2,04
Mean.	28,45	34,39				11,75	1,25	,29	1,68	5,96	7,11	1,32	1,64	17,61	13,39				1,74
Total.						164,5	17,5	4	23,5	85,5	99,5	18,5	23	246,5	187,5				24,36

APRIL.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1835	42,51	41,02	70	16	54	8,5	3		,5	1	11	2	4	15,5	14,5	4,5	,5	1	3,36
1836	37,95	46,14	65	21	44	9,5	1		1	7	9	,5	2	24	6	3	2		2,57
1838	36,39	38,53	59	14	45	8	,5	,5	1	1	7,5	3,5	8	18	12	,5	,5		,64
1839	45,40	47,05	74	28	46	15,5				12,5	2			18,5	11,5	5	1		2,08
1840	44,97	52,47	83	24	59	7			3	7,5	7,5	5		20,5	9,5	4	,5		2,05
1841	40,88	43,98	74	22	52	9,5	2,5		1	10,5	5	,5	1	14	16	6	2		4,70
1842	41,44	48,43	71	16	55	12	4,5		2	6,5	4	1		19,5	10,5	5			3,29
1843	37,45	49,05	72	8	64	12,5	2,5		2	5,5	5	1,5	1	18,5	11,5	4	,5		2,36
1844	47,13	49,91	83	3	80	4,5	2	,5		14,5	7,5		1	17,5	12,5	7			1,06
1845	38,02	47,60	73	24	49	8	1			13	3	3	2	15,5	14,5	6	2		3,18
1846	42,62	53,95	86	24	62	10,5		,5		1,5	14	1	2,5	21	9	1,5			1,03
1847	36,90	41,46	70	—4	74	9,5		1	,5	,5	14	,5	4	15	15	2	1		1,47
1848	41,48	45,93	78	20	58	14				3	11,5	,5	1	22,5	7,5	2	1		1,01
1849	40,93	42,12	70	20	50	9			,5	4,5	6	4	6	15,5	14,5	5	3		1,02
Mean.	41,00	46,26				9,86	1,21	,18	,82	6,32	7,64	1,64	2,33	17,54	12,46				2,13
Total.						138	17	2,5	11,5	88,5	107	23	32,5	255,5	164,5				29,82

MAY.

1835	50,82	60,31	82	32	50	16	,5		1		10,5	1,5	1,5	21,5	9,5	6			2,84
1836	59,29	60,87	87	40	47	10,5	1	3	1,5	9,5	5	,5		21,5	9,5	6,5			3,69
1838	49,43	56,98	84	24	60	8	1	,5	,5	6	10,5	2,5	2	16,5	14,5	6			4,33
1839	48,54	56,04	83	34	49	19					10	2		22	9	4			2,96
1840	49,87	63,55	90	35	55	12	3	,5	,5	5,5	9		,5	17,5	13,5	4			3,65
1841	46,24	69,34	90	32	58	9,5	1,5	1	2	13,5	2		1,5	17,5	13,5	4,5	,5		2,68
1842	49,49	56,67	77	30	47	7	2			9	10	2	1	17,5	13,5	8			2,80
1843	53,85	54,22	85	31	54	11	2			10,5	6,5		1	20	11	5			2,24
1844	56,45	57,18	85	30	55	3	2			11	11	3	1	11	20	12			4,06
1845	53,04	51,65	86	30	56	9,5				14,5	4	1	2	14,5	16,5	8			4,19
1846	58,00	62,26	90	32	58	9	1		,5	4,5	14	,5	1,5	12,5	18,5	3,5		,5	3,45
1847	56,43	60,50	84	32	52	10,5	1,5	1	4	1	10	1,5	1,5	20	11	4			2,94
1848	56,75	65,68	86	38	48	10,5				4,5	12,5	2	1,5	15	16	10			5,21
1849	50,08	58,79	83	32	51	18	1,5	1	1	1,5	7	,5	,5	14	17	8			3,53
Mean.	52,73	59,57				10,96	1,21	,50	,79	6,50	8,72	1,21	1,11	17,21	13,79				3,47
Total.						153,5	17	7	11	91	122	17	15,5	241	193				48,57

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1835	68,68	61,06	92	46	46	10	,5		1		14	3,5	1	17	13	3			4,78
1836	71,97	71,89	94	50	44	5,5	,5	2	4	14,5	2	1	,5	23	7	3,5			1,90
1838	69,61	69,76	93	53	40	10,5	,5			9,5	8,5	,5	,5	18	12	5			3,46
1839	57,88	64,00	94	42	52	9			1,5	17,5	1		1	14,5	15,5	8,5			4,73
1840	65,50	68,66	92	34	58	10,5			1,5	7,5	8,5		2	22,5	7,5	6,5			4,29
1841	75,31	72,11	95	49	46	3,5	2	2	2,5	20				17,5	12,5	5,5			1,15
1842	58,91	67,25	86	37	49	7,5	2			9,5	10	,5	,5	17,5	12,5	7,5		,5	3,25
1843	58,30	69,28	88	44	44	10				13,5	5,5	1		15,5	14,5	5,5			1,86
1844	59,66	67,75	83	42	41	8				15,5	4	1	1,5	11,5	18,5	5			2,08
1845	67,06	61,25	87	42	45	5	1		1	13	7	1	2	20,5	9,5	8			4,23
1846	67,93	65,08	90	38	52	10,5		,5		1,5	17		,5	16	14	4			3,27
1847	64,43	66,53	92	50	42	5,5			,5	,5	21	2	,5	14	16	5,5			3,36
1848	61,73	73,26	96	36	60	5			1	4,5	13	4	2,5	17	13	6			4,36
1849	64,60	72,21	97	46	51	10	2		1	5,5	8	2	1,5	21	9	9			2,21
Mean.	65,11	67,86				7,89	,61	,32	1,00	9,46	8,54	1,18	1,00	17,54	12,46				3,21
Total.						110,5	8,5	4,5	14	132,5	119,5	16,5	14	245,5	174,5				44,93

JULY.																			
1835	68,52	70,82	92	50	42	5,5	1			1,5	21,5	1	,5	18	13	4,5			3,18
1836	78,52	73,04	98	50	48	9,5	1		3	16,5	,5		,5	27,5	3,5	,5			,63
1838	70,84	78,50	99	51	48	9,5				15,5	5,5		,5	20,5	10,5	3,5			2,30
1839	65,35	60,48	90	49	41	1,5				19	9	1,5		21,5	9,5	4,5			4,13
1840	72,59	73,62	95	54	41	8	,5	,5	1,5	13,5	6,5		,5	29	2	1,5			1,68
1841	75,07	71,50	94	47	47	5	,5			25,5				26,5	4,5	2			,90
1842	67,97	68,15	88	49	39	9	2			13	6	1		20,5	10,5	7,5			3,80
1843	67,89	67,10	86	46	40	12	1			7	9	1	1	19	12	3			4,94
1844	67,48	67,35	91	42	49	7	1			11	10	1	1	14	17	10			2,65
1845	67,87	67,00	92	50	42	6	1			17	4	2	1	20	11	7			3,13
1846	72,64	72,02	98	54	44	11			1	2,5	13,5	1	2	16,5	14,5	3,5			3,59
1847	73,66	72,02	98	50	48	12,5	,5			4	14			22,5	8,5	5,5			6,27
1848	70,02	70,98	93	54	39	4,5			,5	8,5	13,5	2,5	1,5	16,5	14,5	9			12,52
1849	71,44	72,56	102	48	54	10			1	4,5	14	,5	1	23,5	7,5	5			1,01
Mean.	70,70	70,37				7,93	,61	,03	,50	11,36	9,07	,82	,68	20,89	10,11				3,62
Total.						111	8,5	,5	7	159	127	11,5	9,5	292,5	138,5				50,73

AUGUST.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1835	65,84	66,78	93	44	49	9			,5	1,5	17,5	,5	2	18,5	12,5	5			5,02
1836	68,50	63,93	92	42	50	9	1		3	7,5	9		1,5	23	8	2,5			1,72
1838	70,49	69,49	93	38	55	10,5	1			14,5	3,5		1,5	21,5	9,5	5,5			4,33
1839	63,10	64,58	91	48	43	4			1	17,5	8		,5	24	7	1			1,50
1840	70,01	66,47	92	41	51	,5		1	3,5	17	7	2		25,5	5,5	3,5			3,43
1841	70,01	71,62	94	44	50	6	1			22,5	,5		1	21	10	4			1,42
1842	67,40	68,89	89	47	42	8,5	3,5		1,5	5	9,5	2	1	15,5	15,5	5,5			1,91
1843	69,64	69,16	86	52	34	9,5	1			14	4,5	1	1	13	18	6,5			2,91
1844	66,59	67,10	92	31	61	3,5	1		1	10,5	12,5	2	,5	15,5	15,5	8			2,10
1845	68,85	69,70	89	51	38	4	1			18	8			22	9	6			3,42
1846	73,66	68,89	94	42	52	9				1,5	19	,5	1	23,5	7,5	1,5			,63
1847	71,20	65,72	92	50	42	10			1	2	16,5	1	,5	19	12	2,5			4,22
1848	72,11	65,14	90	48	42	10,5			1	8,5	10		1	23,5	7,5	3			3,57
1849	69,11	70,84	90	50	40	10,5				9	8,5	1	2	21	10	8			5,44
Mean.	69,03	67,74				7,47	,68	,07	,89	10,64	9,57	,72	,96	20,46	10,54				2,97
Total.						104,5	9,5	1	12,5	149	134	10	13,5	286,5	147,5				41,62

SEPTEMBER.

1835	52,41	51,18	88	32	56	5,5		1	2,5	3	16	2		17	13	3,5			1,53
1836	59,06	61,94	91	34	57	8	,5		2,5	13,5	5	,5		19	11	3			1,30
1838	63,35	61,92	82	39	43	7	1		,5	14	5		2,5	20	10	2,5			2,48
1839	62,01	53,70	86	34	52	4			,5	11,5	11	2	1	14,5	15,5	6,5			2,30
1840	60,97	56,35	88	28	60	9,5	2	,5	2	10	4	1,5	,5	23,5	6,5	6			2,50
1841	66,23	61,56	89	43	46	9			3	18				20	10	4			2,54
1842	60,76	50,49	82	26	56	11	1		,5	9	5	1	2,5	15	15	3,5			3,53
1843	60,52	57,31	85	30	55	6	4		1	4,5	10,5	3	1	13	17	3,5			1,63
1844	63,75	52,70	88	32	56	12,5	1	,5	,5	6,5	7		2	20	10	3			4,93
1845	58,49	54,32	82	32	50	3	,5			13,5	11		2	17,5	12,5	8	1		4,45
1846	71,16	56,17	92	38	54	8				4,5	14,5	1	2	22,5	7,5	3,5			3,58
1847	63,57	56,46	88	36	52	10	2,5		1	4,5	9,5	,5	2	14,5	15,5	2,5			3,80
1848	61,15	52,94	84	32	52	14,5		,5		2,5	8		4,5	18	12	9			1,74
1849	60,16	55,75	84	36	48	10,5			2,5	4	10,5	2	,5	20	10	5			1,13
Mean.	61,68	55,91				8,46	,89	,18	1,18	8,50	8,35	,96	1,48	18,18	11,82				2,67
Total.						118,5	12,5	2,5	16,5	119	117	13,5	20,5	254,5	165,5				37,44

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1835	47,62	54,40	77	26	51	10,5	,5		1	2	16,5	1		17,5	13,5	2			1,79
1836	49,35	46,84	81	26	55	13,5	2,5		1,5	10,5	2		3	19,5	11,5	6,5	1		3,63
1838	49,94	39,87	67	28	39	10			,5	9,5	5,5	2	1	12	19	3,5			2,89
1839	52,83	46,56	77	18	59	11	1,5			8,5	10,5	1		22	9	2,5			1,45
1840	50,61	41,24	78	20	58	8			3	15,5	1,5	1	,5	22,5	8,5	7,5	1		3,79
1841	52,39	44,72	70	23	47	16				14	1			20,5	10,5	,5	1		,70
1842	73,27	43,53	69	27	42	8				12	5	2	4	22,5	8,5	3			1,81
1843	47,99	36,66	67	19	48	9,5			5	8	3	,5	5	17,5	13,5	5	1	,5	1,16
1844	46,46	44,51	66	22	44	7	3			4	15		2	12,5	18,5	8	1		4,90
1845	57,44	40,50	72	15	57	9	1			9,5	10,5		1	21	10	5	1		2,51
1846	51,31	40,14	80	18	62	14,5				3	13		,5	12,5	18,5	1,5	1	,5	3,00
1847	49,37	41,04	70	14	56	6	,5		,5	4	15	1,5	3,5	17,5	13,5	3			5,04
1848	48,91	45,75	80	28	52	15				2	10,5	,5	3	10,5	20,5	8			2,74
1849	46,33	47,04	68	20	48	13			2	3,5	10	1	1,5	12,5	18,5	10			5,22
Mean.	51,70	43,84				10,80	,64			,94	7,58	8,50	,75	1,79	17,18	13,82			2,90
Total.						151	9			13,5	106	119	10,5	25	240,5	193,5			40,63

NOVEMBER.																			
1835	41,88	29,07	68	0	68	12			1	2	11,5	1	2,5	8	22	1,5	1,5	,5	1,96
1836	42,57	31,87	80	14	66	16				10	2		2	19	11	3,5	,5		2,45
1838	35,29	24,06	56	2	54	12,5	1		1,5	9,5	3	,5	2	19,5	10,5	3,5			3,36
1839	37,86	29,28	57	9	48	13				4,5	10	1,5	1	13	17	3,5	1		2,01
1840	39,86	31,33	60	20	40	13,5	3	1	2	5,5	2	2	1	25	5	4	1		2,18
1841	38,44	30,66	74	10	64	19,5	1,5		,5	7,5	1			18,5	11,5	3,5	1,5		1,25
1842	38,71	28,35	54	11	43	13	1			7	8		1	11,5	18,5	4	1,5		3,70
1843	31,03	34,95	52	6	46	15,5			2	9	1	2	,5	12,5	17,5	3	1,5		1,86
1844	38,39	28,39	53	7	46	10,5				10,5	4	2,5	2,5	15	15	5	2		1,96
1845	44,00	34,50	62	12	50	10	1		1	6	10	1	1	9	21	9	2		7,54
1846	46,75	35,75	64	20	44	14,5	3		,5	1,5			2,5	9	21	3	1,5	,5	4,07
1847	44,42	35,31	66	0	66	6,5			2	2,5	14	1	4	8,5	21,5	2,5	1,5		3,14
1848	34,06	35,06	52	16	36	8,5	,5		1	4,5	12	1,5	2	12,5	17,5	3	3	1	2,15
1849	46,19	40,82	60	20	40	13	1	1	,5	5,5	8	1		8,5	21,5	6			2,63
Mean.	39,96	32,10				12,71	,86	,14		,86	6,11	6,75	1,00	1,57	13,54	16,46			2,88
Total.						178	12	2	12	85,5	94,5	14	22	189,5	230,5				40,26

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1835	14,71	20,08	46	-22	68	5,5				4,5	12	6,5	2,5	13	18	1	4,5		1,17
1836	30,39	19,82	52	-19	71	8			2,5	11	6	2	1,5	20,5	10,5	2	3		3,90
1838	25,09	13,70	49	-8	57	12,5		5	2	11	2		3	21,5	9,5		4,5		2,55
1839	33,59	20,36	46	-4	50	22,5	1,5	1	1,5	1	1,5	1,5	5	19,5	11,5	1	2		1,98
1840	26,26	21,59	44	-10	54	11	1	1		7,5	6,5	3	1	25,5	5,5	1	3,5		1,30
1841	41,04	19,69	64	5	59	15,5				14	5		1	21,5	9,5	4	1		1,98
1842	24,22	20,00	46	-12	58	16	4	1		4	4	2		20	11	5	3		1,76
1843	23,89	30,82	46	-13	59	11			1	12	5		2	7	24	5	4,5	5	1,67
1844	25,52	23,21	40	-2	42	17,5			1	7	1	3,5	1	17,5	13,5	4	1		1,14
1845	17,48	23,99	46	-22	68	11			1	4	9	5	1	21	10	1	3	1	1,78
1846	24,41	23,45	48	-4	52	9,5	5		3	1,5	10,5	4	2	13	18	2	4,5	5	2,83
1847	35,62	22,96	56	-8	64	9			1	2,5	15	2,5	1	8	23	4	2		6,15
1848	35,55	25,06	58	-4	62	11,5	5	1	1,5	4	9	3	5	6	25	7	7		5,21
1849	26,77	24,98	44	-14	58	10	1,5	5	1,5	5	10	1,5	1	11	20	4	8	1	2,85
Mean.	27,47	22,12				12,18	6,4	3,36	1,14	6,36	6,57	2,46	1,29	16,07	14,93				2,59
Total.						170,5	9	5	16	89	92	34,5	18	225	209				36,27

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	
	First Half.	Seco'd Half.																					
January, --	21.07	20.29	60	—31	91	12.89	1.04	14	1.14	5.82	6.72	1.82	1.93	N 56° 43' W	24	7.49	17.08	13.93				2.08	29.14
February, --	17.59	22.59	55	—25	80	10.00	1.32	61	1.96	6.04	5.71	1.25	1.39	N 87° 49' W	13	3.67	13.86	9.93				1.42	19.85
March, ---	23.45	34.39	68	—14	82	11.75	1.25	39	1.62	5.96	7.11	1.32	1.64	N 72° 33' W	17	5.40	17.61	13.89				1.74	24.86
April, ---	41.00	46.26	86	—4	90	9.86	1.21	18	8.82	6.32	7.64	1.64	2.33	N 89° 59' W	23	7.07	17.54	12.46				2.13	29.66
May, ---	52.73	59.57	90	24	66	10.96	1.21	50	7.79	6.50	8.72	1.21	1.11	S 44° 20' W	20	6.28	17.21	13.79				3.47	45.57
June, ---	65.11	67.86	97	34	63	7.89	1.61	32	1.00	9.46	8.54	1.19	1.00	S 42° 01' W	32	9.66	17.54	12.46				3.21	44.93
July, ---	70.70	70.87	102	42	60	7.93	1.61	03	1.50	11.36	9.07	1.82	1.68	S 36° 38' W	37	11.58	21.39	10.11				2.62	50.73
August, ---	68.68	67.74	94	31	63	7.47	1.63	07	8.89	10.64	9.57	1.72	1.96	S 36° 32' W	37	11.74	20.46	10.54				2.67	41.62
September, --	61.68	55.91	92	26	66	8.46	1.89	18	1.18	8.50	8.35	1.96	1.48	S 50° 49' W	27	8.09	18.18	11.82				2.67	37.44
October, ---	51.70	43.77	81	14	67	10.79	1.64		94	7.57	8.50	1.79	1.79	S 75° 52' W	23	7.12	17.13	13.82				2.90	40.63
November, ---	89.96	32.10	80	0	80	12.71	1.86	14	8.66	6.11	6.75	1.00	1.57	N 62° 05' W	21	6.24	13.54	16.46				2.83	40.26
December, ---	27.47	22.12	64	—22	86	12.13	1.64	36	1.14	6.36	6.57	2.46	1.29	N 74° 54' W	21	6.64	16.07	14.93				2.59	36.27
Mean. ---	45.53	44.41				10.24	.91	.23	1.05	7.50	7.77	1.26	1.48	S 74° 24' W	21	6.16	17.64	12.80				2.64	36.97

Highest degree, July 18, 1849, - - - - - 102°
 Lowest degree, January 4, 1835, and January 28, 1844, - - - - - 31°
 Extreme range in 14 years, - - - - - 133
 Greatest monthly range in January
 Least monthly range in July.

Mean monthly range, 74½°.
 Driest month, February.
 Wettest month, July.
 Total fall of rain and snow in 14 years, 86 feet 11,57 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. rain.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1835	19.80	20.94	30.53	41.76	55.56	64.87	69.67	66.37	51.79	51.61	35.47	17.39	43.76	93	-31	124	79	January 4.	August 12.	September 14.	November 12.
1836	22.26	13.74	29.17	42.04	60.08	71.93	75.28	65.24	60.50	48.09	37.22	25.10	45.88	98	-24	122	77	February 9.	July 8.	October 12.	December 12.
1838	24.99	12.37	32.63	37.46	53.20	69.73	74.67	69.99	62.63	44.90	27.67	19.39	44.30	99	-23	122	72	January 31.	July 29.	December 5.	December 5.
1839	20.00	24.64	31.95	46.22	52.20	60.94	67.41	63.84	57.55	49.23	33.57	26.97	44.59	94	-22	122	76	January 23.	June 27.	October 1.	November 10.
1840	11.70	29.59	34.67	48.70	56.71	67.08	73.10	63.24	58.66	45.92	33.59	23.92	46.18	95	-22	114	64	January 17.	July 12.	September 13.	October 31.
1841	26.44	21.22	34.56	42.43	57.79	73.71	73.23	70.31	63.49	45.59	34.55	30.36	43.69	95	-18	113	73	January 4.	June 23.	October 26.	October 20.
1842	23.39	28.76	36.03	44.93	53.48	63.08	68.05	63.14	57.62	48.40	33.53	22.11	46.26	89	-16	105	61	December 24.	July 18.	September 25.	November 24.
1843	27.34	14.67	21.83	43.25	54.03	63.79	67.49	69.40	58.91	42.52	32.99	27.35	43.61	88	-20	108	73	February 17.	July 1.	September 25.	October 23.
1844	9.81	18.98	29.59	48.52	56.81	63.80	67.41	66.84	58.23	45.47	33.39	24.36	43.59	92	-31	123	59	January 28.	July 19.	September 27.	October 30.
1845	21.81	32.97	33.72	42.81	54.34	64.15	67.43	69.27	56.40	45.07	39.25	29.73	44.92	92	-22	114	74	December 12.	July 18.	September 23.	October 20.
1846	19.66	14.81	32.90	48.95	60.13	66.54	72.33	71.27	63.66	45.72	41.25	33.88	46.70	98	-25	123	70	January 18.	July 10.	October 11.	October 18.
1847	21.89	19.61	26.54	39.18	53.46	65.45	72.84	65.46	60.01	45.20	39.86	29.23	45.58	98	-16	114	74	January 31.	July 20.	September 16.	December 8.
1848	25.12	22.12	30.00	43.70	61.21	67.49	70.50	68.62	57.04	47.33	34.56	30.39	46.50	96	-30	126	80	January 10.	June 16.	September 12.	November 9.
1849	15.12	16.53	33.99	41.53	54.44	63.41	72.00	69.97	56.96	46.65	43.47	25.57	45.50	102	-24	126	72	January 11.	July 13.	October 2.	December 5.
Mean.	20.67	20.09	31.29	43.63	56.15	66.49	70.82	65.35	58.72	47.70	35.81	24.79	45.30								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]					
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Percent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	
1835	124	6,5	1	9,5	16	167	22	19	N 89° 30' W	38	141.25	183,5	181,5	35,5	13	2,5	
1836	116,5	21,5	5,5	23,5	115,5	59,5	10	14	N 34° 48' W	11	39,69	256,5	109,5	36,5	18,5		
1838	123	14,5	2,5	7	104	70,5	18,5	26	S 83° 15' W	19	69,51	209,5	155,5	30	10,5		
1839	134,5	3,5	1	6,5	123,5	74	12,5	9,5	S 59° 57' W	23	84,19	238,5	126,5	41	10		
1840	118	11	5,5	27,5	106	73	17	8	S 42° 29' W	17	61,71	260	106	46	12		
1841	128,5	11,5	3,5	11	187	13,5	2,5	7,5	S 1° 55' E	17	62,41	244,5	120,5	39	17	,5	
1842	115,5	21	1	10	112,5	73,5	15	16,5	S 62° 05' W	17	63,06	223	142	49,5	13,5	2	
1843	130	17,5	2,5	20	102	62,5	11,5	19	S 83° 43' W	11	40,37	197	168	37,5	19,5	1,5	
1844	117	13	1	9	112	80	16	18	S 62° 41' W	21	78,50	192	174	71	16		
1845	107,5	7	5	136,5	79,5	15	14,5	5	S 44° 46' W	28	103,64	217,5	147,5	66	20	2	
1846	128	5	2,5	11,5	29	156,5	16	16,5	S 85° 07' W	15	53,62	193,5	169,5	28,5	12,5	2,5	
1847	112,5	6,5	4	15	25,5	160	17	24,5	S 83° 25' W	35	129,17	180	185	34	12	1,5	
1848	180,5	1,5	4,5	10	45	130,5	21,5	22,5	N 89° 27' W	32	117,08	192,5	173,5	66	27	1	
1849	145,5	6	5	14,5	49	106,5	18,5	20	N 71° 39' W	26	93,21	193	172	67	20	3	
Mean.	123,57	10,43	2,82	12,86	90,25	93,32	15,21	16,82	S 78° 03' W	21	77,15	213,07	152,21				
Total.	1730	146	39,5	180	1263,5	1306,5	213	235,5				2983	2131				

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1835	2.99	1.63	1.20	3.36	2.84	4.78	3.18	5.02	1.53	1.79	1.93	1.17	39.91	February.	August.
1836	2.82	3.62	.65	2.57	3.69	1.99	.13	1.72	1.30	3.63	2.45	3.90	25.78	July.	December.
1838	1.93	.99	.99	4.35	3.46	2.30	4.35	2.48	2.89	3.96	2.55	2.55	25.65	March.	May & August.
1839	1.79	1.66	2.04	2.96	4.73	4.13	1.50	2.30	1.45	2.01	1.98	1.98	27.94	February.	June.
1840	2.10	1.69	1.71	2.05	3.65	4.28	1.68	3.43	3.79	2.18	1.59	39.28	December.	June.	
1841	1.98	.26	2.30	4.70	2.68	1.15	.99	1.42	2.54	3.70	1.25	1.98	21.86	February.	April.
1842	.64	1.07	2.48	3.29	2.80	3.25	3.80	1.91	3.53	1.81	3.70	1.76	39.64	January.	July.
1843	.45	1.17	3.66	2.36	2.24	1.86	4.91	2.91	1.63	1.16	1.86	1.67	25.89	January.	July.
1844	2.46	1.03	1.63	1.06	4.06	2.08	2.45	2.10	4.93	4.00	1.93	1.44	30.65	April.	October.
1845	3.59	1.32	1.18	3.13	4.19	4.23	3.13	3.42	4.45	2.51	1.51	1.78	40.23	March.	November.
1846	2.36	1.62	1.65	1.03	3.45	3.27	3.59	.63	3.58	3.00	4.97	2.83	31.08	August.	November.
1847	3.03	2.32	1.53	1.47	2.94	3.36	6.27	4.22	3.80	5.04	3.14	6.15	43.27	April.	July.
1848	3.69	1.94	2.23	1.01	5.21	4.36	12.52	3.57	1.74	2.74	2.15	5.21	45.77	April.	July.
1849	.50	1.93	2.04	1.02	3.53	2.21	1.01	5.44	1.13	5.22	2.63	2.85	28.96	January.	August.
Mean.	2.08	1.42	1.74	2.13	3.47	3.21	3.62	2.97	2.67	2.90	2.83	2.10	31.69		
Total.	29.14	19.85	24.36	29.32	43.57	44.93	50.73	41.62	37.44	40.63	40.26	36.27	443.70		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1835	26	4	22	2	16	3	30	18	31	8	13	20	25	1	12	3	5	29	18	25	4	30	26	16
1836	14	16	23	12	26	12	26	5	17	12	29	17	8	24	8	22	13	6 & 28	24	17	12	25	11	30
1838	7	31	8	2	15	1	27	16	21	9	14	3	29	15	4	14	29	21	3	31	13	24	2	30
1839	11	14	26	9	29	3	7	13	31	14	22	13	25	15	22	30	2	30	7	20	15	22	8	31
1840	30	17	20	4	4	10	25	7	18	8	4	1	12	2	4	26	9	20	6	15	29	27	16	25
1841	17	4	28	14	26	17	4	26	30	3	23	20	24	3	4	27	3	30	1	28	1	30	4	22
1842	30	5	3	9	4	13	22	1	18	9	18	11	18	31	26	2	2	24	1	21	1	30	31	24
1843	8	1	1	17	28	6	26	3	15	5	30	1	1	20	9	20	3	27	2	31	24	14	22	13
1844	3	28	6	24	1	5	8	1	26	21	25	3	19	4	18	31	5	27	3	28	8	27	22	11
1845	24	31	21	2	30	11	28	3	12	16	8	6	13	4	23	30	3	22	12	21	4	27	31	12
1846	25	18	5	12	26	1	24	2	26	12	30	22	10	17	5	19	7	22	7	18	10	25	31	23
1847	5	31	3	24	25	2	20	1	26	2	10	15	20	27	10	19	5	15	8	26	24	29	10	26
1848	1	10	21	11	31	15	23	19	19	11	16	1	21	6	15	22	1	27	17	11	5	11	19	23
1849	25	11	26	19	21	3	30	14	28	5	22	8	13	2	30	24	6	19	29	31	8	16	16	25

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1835	48	-31	42	-11	56	-4	70	16	82	32	92	46	92	50	93	44	88	32	77	26	68	0	46	-22
1836	46	-12	53	-24	52	0	65	21	87	40	97	50	98	50	92	42	91	34	81	26	80	14	52	-19
1838	49	-23	38	-15	58	0	59	14	84	24	93	53	99	51	93	38	82	39	67	28	56	2	49	-6
1839	48	-28	48	-15	65	-11	74	28	83	34	94	42	90	49	91	48	86	34	77	18	57	9	46	-4
1840	42	-22	52	-10	61	-1	83	24	90	35	92	34	95	54	92	41	88	28	78	20	60	20	44	-10
1841	60	-18	50	-5	58	0	74	22	90	32	95	49	94	17	94	41	89	43	70	23	74	10	64	5
1842	45	-16	47	-2	61	8	71	16	77	30	86	37	88	49	89	47	82	26	69	27	54	11	46	-12
1843	56	-17	36	-20	45	-7	72	8	85	31	88	44	86	46	86	52	85	30	67	19	52	6	46	-13
1844	46	-31	49	-21	56	-2	83	3	85	30	83	42	91	42	92	31	88	32	66	22	53	7	40	-2
1845	43	-14	55	-19	69	7	73	24	86	30	87	43	92	50	89	51	82	32	72	15	62	12	46	-22
1846	44	-24	42	-25	54	16	86	24	90	32	90	38	98	54	94	42	92	38	80	18	64	20	48	-4
1847	48	-10	46	-16	50	-12	70	-4	84	32	92	50	98	50	92	50	88	36	70	14	66	0	56	-8
1848	50	-30	46	-14	63	-8	78	20	86	38	96	36	93	54	90	48	84	32	80	28	52	16	58	-4
1849	48	-22	48	-24	60	6	70	20	83	32	97	46	102	48	90	50	84	36	68	20	60	20	44	-14
Highest.	60		55		68		86		90		97		102		94		92		81		80		64	
Lowest.		-31		-25		-14		-4		24		34		42		31		26		14		0		-22
Range.		91		80		82		90		66		63		60		63		66		67		80		86

SUMMARY OF OBSERVATIONS AT GREENVILLE ACADEMY,

GREENVILLE, GREENE COUNTY, N. Y., DURING ONE YEAR.

OBSERVER.
1826, E. B. WHEELER.

MONTHS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]				
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]
	First Half.	Second Half.																
January,	34,85	25,70	57	-10	67	,5	1		8	1	5	3	12,5	9,5	21,5			
February, -	25,58	29,38	52	-17	69		4	,5	12,5	1,5	2	1,5	6	13	15	1	1,5	
March, -	37,47	30,08	69	8	61	1	3	1,5	10,5		,5	2,5	12	10,5	20,5	2,5	2	
April,	34,97	45,39	70	16	54	2,5	1	3	7,5	1	1	3	11	17,5	12,5	3	1,5	
May,	60,17	64,85	91	38	53	1	4	1	7			7,5	10,5	26	5			
June, -	67,98	65,57	87	53	34		4	,5	13		1,5	2	9	9,5	20,5	1,5		
July,	70,14	67,61	89	50	39	1,5	4,5	1,5	7,5		,5	3	12,5	21,5	9,5	6		
August,-	66,67	70,78	87	48	39	,5	7	4,5	9	,5			9,5	18,5	12,5	2		
September,	66,33	57,13	82	34	48	,5	4	,5	11,5	1,5	3	,5	8,5	15,5	14,5	4		
October,	52,60	49,93	74	25	49	,5	,5		9	4	2		15	18,5	12,5	4		
November,-	39,57	34,35	60	20	40		1,5		9,5	1,5	3	,5	14	12	18			
December,-	33,00	23,26	62	- 2	64	,5	1		8,5	,5	1		19,5	19,5	11,5		4	
Mean, - -	49,11	47,00				,71	2,95	1,08	9,46	,95	1,62	1,95	11,67	15,95	14,45			
Total, - -						8,5	35,5	13	113,5	11,5	19,5	23,5	140	191,5	173,5			

Annual mean temperature, 48,05°.

Annual range, 108.

Greatest monthly range, 69.

Mean direction of winds, N. 41° 28' W.

Percentage of this direction, 7.

Value of resultant in days, 25,57.

Rain Gauge.

January,	29,14	July,	50,73
February,	19,85	August,	41,62
March, -	24,36	September,	37,44
April, -	29,86	October,	40,63
May, -	48,57	November,	40,26
June, -	44,93	December,	36,27

Mean, - 40,30

	Coldest days.	Warmest days.
January	31st,	10th.
February -	1st,	25th.
March -	17th,	10th.
April -	11th,	18th.
May -	29th,	16th.
June	6th,	4th.
July	14th,	7th.
August	9th,	20th.
September	23d,	4th.
October	27th,	6th.
November -	23d,	2d.
December	28th,	8th.

SUMMARY OF OBSERVATIONS AT HAMILTON ACADEMY,

HAMILTON, MADISON COUNTY, N. Y., DURING 18 YEARS.

Latitude N. 42° 49'; Longitude W. 75° 34'. Elevation above tide, 1127 feet. In a valley of a branch of the Chenango,
702 feet above the canal at Utica.

"Hamilton Academy is situated in a valley, 23 miles from Utica, and about 700 feet above the Erie canal, at that place. A branch of the Chenango river enters the village from the northwest, thence runs southwest; and the winds, following the course of the river, are for the most part, in those directions."—
Report of 1823.

OBSERVERS.

1827, '8, '9, ZENAS MORSE, Principal. 1830, ZENAS MORSE, Principal, and N. BISHOP, Teacher. 1831, NATHAN BISHOP, Assistant Teacher. 1833, ZENAS MORSE, Principal, and A. WHITE. 1834, ZENAS MORSE, Principal, A. WHITE and M. C. KENDRICK. 1835, ZENAS MORSE and ALVIN LATHROP, Principals. 1836, ALVIN LATHROP and JOSHUA PHELPS, Principals.	1839, HAMILTON MILES and O. HARRINGTON, Teachers. 1842, L. M. PECK and T. C. BURROUGHS, Teachers. 1843, L. C. YORK and J. C. BURROUGHS, Teachers. 1844, ZENAS MORSE, Principal, and L. C. YORK, Teacher. 1845, ZENAS MORSE, Principal, MONROE WEED and B. F. ADAMS, Teachers. 1847, '8, '9, MONROE WEED, Principal.
--	--

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	22,48	14,66	48	—20	68												6		2,33
1828	32,75	20,01	48	—20	68		,5		2,5	2,5	14,5	1	10	7	24	7	5		1,53
1829	24,82	25,53	40	—20	60	4	1,5			1	9	1,5	14	10	21		6	1	3,60
1830	26,51	12,82	40	—20	60		,5		1	7	8,5	2	12	11	20	1	8		1,60
1831	22,70	14,65	52	—23	75	3	2,5		,5	3	7,5	1,5	13	13	18	1	7,5	8,5	2,25
1833	29,00	25,49	63	—23	86	1	1		6	9	4	1,5	8,5	3,5	27,5		6		2,20
1834	18,28	23,29	44	—13	57	,5				1,5	11	2	16	13,5	17,5	3,5	4		2,75
1835	11,79	31,70	56	—34	90	3				4,5	7,5	1,5	14,5	15	16	1,5	1		
1836	28,04	14,85	39	—20	59	6	1,5			2	12,5	3,5	5,5	7	24	1	9		4,57
1839	26,26	17,94	50	—14	64	17,5				12,5		1,5		7,5	23,5	2	6,5		2,99
1842	26,75	29,14	54	—16	70	2		,5	4	11,5	,5	1,5	11	10,5	20,5	1,5	5,5		1,68
1843	28,12	32,29	58	—5	63	,5	2,5			1,5	11	1	14,5	14	17	5	4		1,56
1844	20,44	10,66	36	—15	51					5,5	5,5	8,5	11,5	13	18	1	8	1	1,57
1845	27,37	24,80	42	—5	47	3,5	3		,5	5,5	5,5	3	10	9,5	21,5	2	15	1	2,94
1846	27,10	20,73	46	—14	60	1		1	2	10	2,5		14,5	6	25	4	13	1	1,60
1847	27,61	18,49	45	—2	47	,5				6,5	5	2	17	7,5	23,5	4	10		1,79
1848	25,24	30,25	56	—21	77	1			1	16	1		12	5	26	6	6		1,48
1849	16,49	23,28	44	—15	59	,5				10	1	1,5	18	8,5	22,5	4	12		1,18
Mean.	24,54	21,69				2,62	,74	,09	1,03	6,44	6,24	1,96	11,88	9,38	21,62				2,21
Total.						44,5	12,5	1,5	17,5	109,5	106,5	34,5	202	161,5	355,5				37,62

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	19,62	32,80	48	-17,65												2	5		3,48
1828	33,71	31,65	55	8,47					2	4	11,5	1	10,5	8	21	8	6		3,25
1829	19,69	20,71	46	-15,61			3			1	9		15	9	19	1	7		3,05
1830	18,09	30,77	55	-12,67			,5		1,5	8	6		12	15	13		2		1,00
1831	15,98	21,47	50	-23,73		1				6,5	8	2,5	10	20	8	1	2	3	3,59
1833	17,71	21,67	48	-24,72		2	,5		1,5	5,5	3,5		15	8	20		3		5,84
1834	32,23	38,41	64	6,58		1				1,5	7	,5	18	11	17	5	3,5		1,59
1835	12,57	25,03	48	-12,60		1				,5	10		16,5	10	18		4		
1836	10,82	17,09	52	-23,75		10,5	,5			3	7,5	1,5	6	10,5	18,5	1,5	3,5		1,33
1839	19,23	33,49	48	-14,62		7,5				18,5		1	1	5,5	22,5	2	5,5	,5	,80
1842	33,16	22,06	53	0,53					,5	11,5	2,5	1,5	9,5	6,5	21,5	3	7,5	3	3,23
1843	15,99	16,90	40	-15,55					1		5,5		21,5	12,5	15,5		8		2,30
1844	18,45	28,02	44	8,52						6,5	5,5	14,5	2,5	17,5	11,5		6		1,10
1845	15,61	36,65	52	-13,65		,5	3,5		3,5	7,5	1		12	5,5	22,5	1	8		4,25
1846	22,88	16,40	40	16,56		1	2,5	2,5		6	3,5		12,5	7,5	20,5		10		3,24
1847	25,74	22,92	44	-12,56		1,5		,5	1	4,5	5	3,5	12	3	25	1	17	1	3,04
1848	19,98	26,51	45	-9,54		1,5	,5		2	7,5			17,5	13	16	1	8		1,26
1849	19,85	22,33	48	-18,66		,5	,5	2	1,5	8,5	2,5	2,5	10	11	17		7		,65
Mean.	20,35	25,99				1,07	,67	,29	1,00	5,91	5,18	1,67	11,82	10,21	18,03				2,53
Total.						28	11,5	5	17	100,5	88	28,5	201,5	173,5	306,5				43,00

MARCH.

1827	31,59	36,76	56	2,54												2	1		3,00
1828	31,08	41,09	78	8,70	4	3			1	4	9,5	,5	9	15	16	5	3	1	1,68
1829	29,43	27,39	61	0,61		1			3	,5	5,5	1,5	19,5	14,5	16,5	2	4	1	1,95
1830	26,67	36,33	63	-11,74	1	,5	2		1,5	14,5	2		9,5	15	16	2	4		5,51
1831	34,73	37,25	60	7,53						2,5	12	11	5,5	13,5	17,5	2,5	3,5		,52
1833	21,62	39,56	65	-1,66	2,5	1			1,5	12	1		13	12,5	18,5		2		3,14
1834	32,99	35,39	66	0,66	1				,5	1,5	14,5		13,5	12	19	3	3,5		2,59
1835	26,65	32,60	52	-15,67		,5	1		,5	,5	14,5	,5	13,5	17,5	13,5		1		
1836	19,47	30,28	54	-6,60	1	,5			1,5	5,5	7	5,5	10	16,5	19,5	,5	2,5	,5	1,35
1839	30,56	34,25	59	-2,61	2	2			3	6	7	4	7	14	17	,5	2,5		1,09
1842	35,73	36,11	68	4,64	2		1		3,5	11	1,5	2	10	11	20	5	6,5	3	3,55
1843	16,24	25,17	44	-6,50	1	2,5			2	2	7,5	1	17	15,5	15,5	2	8		3,30
1844	35,21	31,97	48	14,34						5	7	4,5	14,5	15,5	15,5	3	3		1,27
1845	36,45	37,95	76	10,66	2,5	1	,5		1,5	8,5	3,5	1	12,5	9,5	21,5	3	5	1	2,69
1846	30,73	35,82	54	-8,62		,5	,5		3	5	1		21	14	17	3	4	4	2,37
1847	24,47	31,36	51	-4,55	,5					6,5	1		22,5	12,5	18,5	5	7	1	1,59
1848	24,24	37,54	66	-5,71	2,5					11		,5	17	7,5	23,5	6	8	3	2,77
1849	30,17	38,65	62	5,57	7	,5	1		,5	9	1	,5	11,5	13	18	8	5	4	1,32
Mean.	28,78	34,75				1,59	,68	,35	1,35	6,18	5,62	1,91	13,32	13,47	17,53				2,33
Total.						27	11,5	6	23	105	95,5	32,5	226,5	229	298				39,69

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1827	53,07	42,55	92	28	44														
1828	37,65	43,87	62	25	37	3,5	5,5	,5	1,5	2,5	9,5	1	6	11,5	18,5	7	1		1,93
1829	37,85	47,00	72	26	46		2,5		1	2,5	10		14	10,5	19,5	6	1	3	4,05
1830	45,01	55,75	86	21	65	3	1,5	1	6,5	4,5	5,5	,5	7,5	20,5	9,5	3			1,35
1831	44,65	48,84	72	24	48	3,5				9	6,5	4	7	15	15	10	1	11	4,18
1833	48,35	54,15	90	23	67	2				10	,5	1,5	16	18	12	2			,52
1834	46,60	43,37	86	23	63	4,5				1	17	,5	7	18,5	11,5	1,5	,5		1,17
1835	44,37	39,11	76	15	61		2		1	1	13,5		12,5	14,5	15,5	2,5	2	1,5	
1836	34,11	43,79	72	12	60			1	2,5	6	3,5	8,5	8,5	12	18	2,5	3		1,95
1839	48,26	45,35	78	24	54	3	4,5	,5	4	4,5	2,5	2	9	17	13	3	1		1,19
1842	41,59	47,65	88	14	74	4,5	2		1	4	5,5	6	7	16,5	13,5	7,5			2,49
1843	38,43	50,35	77	7	70				1,5	7	7,5	3	11	15,5	14,5	4	1	1	2,30
1844	51,98	51,00	86	22	64	,5	,5		,5	4	9	10	5,5	20,5	9,5	8			1,51
1845	38,00	53,46	78	19	59	1	1	,5	4	4	4	3,5	12	11	19	11	6	1	2,63
1846	45,07	54,89	82	22	60	3	3		3	4,5	2,5	1	13	13,5	16,5	6	3	2	1,30
1847	40,04	43,54	75	6	69					8,5	1	2,5	18	9	21	9	6		1,37
1848	42,93	44,75	71	21	50	1		1		5,5			22,5	19,5	10,5	5	2	1	1,25
1849	41,87	42,36	72	20	52	,5			,5	10,5			18,5	14	16	5	3	1	1,47
Mean.	43,32	47,32				1,77	1,32	,26	1,59	5,23	5,77	2,59	11,47	15,12	14,88				1,91
Total.						30	22,5	4,5	27	89	98	44	195	257	253				32,41
MAY.																			
1827	48,82	59,36	80	32	48											3	1		1,11
1828	56,34	56,11	77	31	46		6		3,5	6,5	12	,5	2,5	13	18	10			2,91
1829	50,42	59,85	92	30	62	,5	1,5		1		13,5		14,5	21,5	9,5	2			1,65
1830	53,43	50,73	80	30	50	,5	1		2	5	6,5	,5	15,5	20	11	3			2,84
1831	53,52	65,49	91	24	67	2			1	13,5	3	2,5	9	24	7	1,5	1	2,5	1,49
1833	57,98	61,51	92	27	65	,5			,5	3	21		6	16,5	14,5	5			5,16
1834	45,83	59,99	86	20	66			1			15,5		14,5	18,5	12,5	3	,5		2,05
1835	47,46	60,18	84	24	60					6,5	8,5	1	15	25	6	3,5			
1836	51,66	52,98	81	28	53		,5	1,5	3	4	6	4,5	11,5	14,5	16,5	5			4,85
1839	51,51	56,93	81	27	54	5	4,5		4	3	5	2	7,5	13	18	4			4,17
1842	51,12	51,50	79	30	49	6,5			,5	1	7,5	4	11,5	17	14	,5			2,04
1843	56,19	51,58	84	28	56	5	1	,5	1	3	3,5	7	10	15,5	15,5	9			1,65
1844	53,49	55,68	88	24	64	3			4	6	16		2	15	16	14	1		4,39
1845	54,89	49,14	86	27	59	1,5	1,5		,5	4	6,5	6	11	12	19	9			2,34
1846	56,45	60,97	81	30	51	3			1	10,5	3,5		13	7,5	23,5	15	1		3,91
1847	54,64	60,36	84	30	54	,5	4	1	3	2,5	3	3	14	15	16	10	1		2,33
1848	53,13	63,57	85	32	53	,5			1	8	2	1	18,5	8	23	23	1	1	4,25
1849	48,60	58,04	85	27	58	,5	1	,5	3,5	8,5	1,5		15,5	10,5	20,5	16			3,23
Mean.	52,53	57,44				1,71	1,24	,26	1,50	4,89	7,33	2,84	11,23	15,68	15,32				2,99
Total.						29	21	4,5	25,5	83	124,5	48	191,5	266,5	260,5				50,97

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	63,82	64,28	86	48	38											3			5,35
1828	62,99	70,48	95	41	54	2,5	2,5	,5	1	6	11	3,5	3	20,5	9,5	5			3,45
1829	66,09	59,76	93	40	53		4				13		13	20,5	9,5	1			6,60
1830	58,66	61,55	85	37	48	,5	1	,5	2,5	11	3		11,5	14,5	15,5	6			,73
1831	76,54	70,76	96	34	62	1				12	6,5	2,5	8	20	10	3			4,20
1833	58,61	60,11	86	33	53	2				3	11		14	16,5	13,5	2			2,26
1834	56,25	59,24	86	30	56	,5	1			1	15,5	3,5	8,5	20	10				3,74
1835	68,83	64,47	89	38	51				1	4,5	12,5		12	20	10				
1836	61,90	61,97	90	32	58		2	1,5	13,5	1,5	1,5	3	7	11	19	6			5,68
1839	55,21	59,18	77	40	37	4	8		1	4	3	2	8	13	17	4,5			4,42
1842	54,37	63,42	84	28	56	4,5	1	,5		4,5	10	2,5	7	19	11	6,5			3,10
1843	59,00	67,17	92	29	63	3,5		,5		,5	11	8,5	6	15,5	14,5	17	1		3,60
1844	60,62	69,59	88	34	54	2				1,5	7,5	12,5	6,5	17,5	12,5	6			1,54
1845	65,79	60,26	87	32	55	1			2	6	4,5	11	5,5	7	23	11			1,75
1846	62,85	63,89	85	43	42	,5	,5		1	5	5		18	11	19	9			2,52
1847	58,30	63,94	85	40	45	,5	,5			9	1,5	5	13,5	10	20	14			4,83
1848	59,98	71,28	93	36	57					2	6	1	21	11,5	18,5	11			1,57
1849	62,74	68,55	94	43	51	3	2,5		,5	7	2	1	14	18	12	12			4,40
Mean.	61,81	64,44				1,50	1,35	,20	1,36	4,59	7,29	3,29	10,42	15,59	14,41				3,45
Total.						25,5	23	3,5	22,5	78,5	124,5	56	176,5	265,5	244,5				59,74
JULY.																			
1827	68,86	66,01	90	47	43											1			3,21
1828	63,37	66,64	87	49	38	3	5	1	2,5	4,5	10,5		4,5	18	13	8			6,20
1829	60,51	67,21	85	44	31		2		5	5,5	15,5		3	18,5	12,5	2			2,55
1830	64,95	74,41	95	45	50	1		,5		7,5	5,5	,5	16	19,5	11,5	4			6,75
1831	70,16	71,51	89	38	51	2,5				18,5	5,5	1,5	3	19	12	4,5		4,5	2,74
1833	65,31	64,89	94	48	46						21		10	17	14	6			7,79
1834	66,11	66,91	93	38	55	2	1			2,5	21,5		4	26	5	1,5			3,04
1835	65,76	72,66	85	46	39					1	15,5		14,5	17,5	13,5				
1836	64,15	69,39	94	42	52	1,5	,5	1,5		3,5	3,5	4	16,5	18	13	4			3,35
1839	60,24	69,87	86	50	36	3,5	1,5		5	10	3	3,5	4,5	11	20	7			5,27
1842	63,48	66,06	88	40	48	6,5	3,5		,5		10	2	8,5	22,5	8,5	5			4,49
1843	66,93	66,84	96	43	53	,5				1	8	18,5	3	17	14	9			2,16
1844	69,16	69,23	90	44	46					2	6,5	19,5	3	18,5	12,5	10			2,81
1845	67,47	66,48	92	48	44	,5			1,5	6	4	12	7	10,5	20,5	9			2,03
1846	67,24	67,74	93	46	47	1,5	1		1,5	7	3	3	14	12	19	18			4,20
1847	70,96	69,20	92	42	50		1	1	,5	4,5	8	,5	15,5	18,5	12,5	10			2,74
1848	66,85	68,13	90	49	41		2		1,5	7	6		14,5	14,5	16,5	14			5,29
1849	68,50	69,75	94	47	47	2,5	1,5		1,5	4	7		14,5	22,5	8,5	4			,37
Mean.	66,11	68,49				1,48	1,13	,24	1,15	4,96	9,04	3,83	9,17	17,65	13,35				3,82
Total.						25	19	4	19,5	84,5	154	65	156	300,5	226,5				64,99

AUGUST.																				
YEARS.	THERMOMETER.						WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days]	Rain gage.	
	First Half.	Second Half.																		
1827	68,54	62,02	93	44	49											3			3,89	
1828	67,42	69,17	93	47	46	2,5	3	,5	2	4,5	13	,5	5	22	9	3			2,38	
1829	65,68	63,75	90	38	52		3,5		3,5	9,5	10,5		4	22,5	8,5	5			1,67	
1830	65,15	65,54	95	39	56	2,5			,5	,5	4	1	22,5	20,5	10,5	4			,74	
1831	63,55	74,43	96	39	57	2,5			2,5	10	8	1,5	6,5	21	10	1,5		1,5	3,89	
1833	65,59	62,38	87	40	47	5				1	6,5	4	14,5	23	8	,5			2,65	
1834	66,38	59,89	92	39	53	12,5	2				7,5	1	8	23	8				1,85	
1835	64,67	63,31	92	33	59	3	2			6,5	7,5	7,5	4,5	18	13					
1836	61,42	58,88	90	33	57	,5		,5	,5	3	7	6	13,5	16	15	4,5			2,65	
1839	61,79	63,18	89	35	54	7	3	2	2	7	2,5	1	6,5	14,5	16,5	1,5			1,90	
1842	60,71	69,62	88	42	46	2	2,5	2,5	,5	8	7	2,5	6	19,5	11,5	4			3,53	
1843	72,00	69,08	94	47	47	2	3			4	6,5	9	6,5	16	15	17			4,48	
1844	66,65	62,48	89	45	44	4,5		1,5	,5	5,5	9	2	8	14	17	16			2,71	
1845	69,44	69,12	92	48	44	2,5		,5		5	9,5	3,5	9,5	13	18	5			,94	
1846	71,26	65,68	90	44	46	1,5			,5	7,5	2,5	2	17	19	12	9			1,77	
1847	68,71	63,19	85	45	40	,5		,5	1,5	4,5	11		13	12	19	12			2,68	
1848	68,85	66,63	91	46	45	1,5				8,5	11		10	24,5	6,5	7			1,98	
1849	65,24	70,58	89	44	45	2	1			13	1	1	13	20	11	10			2,17	
Mean.	66,28	65,49					3,06	1,24	,44	,82	5,76	7,29	2,50	9,89	18,70	12,30			2,40	
Total.							52	21	7,5	14	98	124	42,5	168	318,5	208,5			40,88	
SEPTEMBER.																				
1827	63,34	57,90	84	43	41											4			6,75	
1828	61,48	60,25	71	19	52	1,5	5		3	,5	13	,5	6,5	13	17	7			3,53	
1829	54,19	51,92	83	35	48	1,5	4,5			6	12	1,5	4,5	13	17	3			3,56	
1830	59,98	51,62	75	25	50	3				2,5	10		14,5	15	15	4			2,15	
1831	60,33	53,33	80	32	48	2,5			2,5	2	9,5	6	7,5	13	17	2,5		2,5	2,85	
1833	56,06	57,05	86	30	56	4			,5	2	6,5	4	13	21	9	1,5			5,50	
1834	59,89	55,09	86	22	64	1,5					11		17,5	16	14	1,5			4,08	
1835	56,75	50,34	78	27	51	1			2	6	5,5	11,5	4	14,5	15,5					
1836	56,35	55,79	83	26	57					12,5	5	5	7,5	9	21	5,5		,5	6,14	
1839	63,63	55,85	90	28	62	1,5	1			4	9	4	10,5	18	12	1,5			2,51	
1842	64,71	47,60	86	26	60	1	4			3,5	2	4	15,5	15	15	9			5,95	
1843	63,86	61,06	88	28	60	1,5			2	4	7,5	9	6	12	18	13			4,08	
1844	65,77	52,77	89	30	59	,5		2,5	,5	2,5	3	16,5	4,5	21	9	6	1		2,80	
1845	57,31	55,00	83	32	51					11,5	4		14,5	12	18	16			3,26	
1846	68,15	56,10	89	28	61	2			2	7,5	5,5	1	12	14	16	10			3,63	
1847	60,88	54,50	83	34	49	2	,5		1	9	2,5		15	10	20	14			3,15	
1848	59,15	50,31	75	28	47	,5			,5	5,5	5,5		20	11,5	18,5	12	1		1,98	
1849	60,55	59,20	84	32	52		1			12	1		16	19,5	10,5	8			1,48	
Mean.	60,69	55,32					1,41	,94	,15	,82	5,23	6,62	3,71	11,12	14,56	15,44			3,66	
Total.							24	16	2,5	14	89	112,5	63	189	247,5	262,5			63,40	

OCTOBER.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	52,94	38,83	80	24	56											7	2		7,77
1828	49,66	44,29	75	19	56		1		2,5		14,5	1,5	11,5	19,5	11,5	4	2		1,14
1829	47,21	49,11	75	19	56	3	1,5			11	7,5		8	21,5	9,5	1		1	1,58
1830	51,18	48,28	76	30	46	1			1	5,5	11,5	2	9	23	8	3			2,29
1831	49,89	49,08	75	18	57	2,5			2,5	7	5,5	3,5	5	17,5	13,5	3	1		3,71
1833	48,92	40,52	70	26	44	3				1	7,5	4,5	15	9,5	21,5	2,5	4		2,96
1834	47,37	39,44	76	18	58	1				1,5	18	2	8,5	12	19	4		,5	4,29
1835	47,00	55,82	74	27	47	1,5	1			3	16	3	6,5	14,5	16,5	7			
1836	37,71	34,26	64	11	53		1	,5	2	5,5	3,5	8	10,5	11,5	19,5	3,5	2	1	4,37
1839	53,03	46,26	82	18	64	1,5		3,5	5	9,5	4	5	2,5	22	9	2,5			1,28
1842	49,05	43,74	68	26	42	,5	1,5			,5	10,5	3	15	16	15	5			2,77
1843	45,55	37,47	73	26	47		,5		,5	1,5	6	14,5	8	15,5	15,5	9	7		2,76
1844	39,38	37,97	58	22	36			2,5	1		8	17	2,5	11	20	5	5		3,61
1845	53,52	44,13	71	20	51		1			10,5	5		14,5	16	15	9	1		2,68
1846	50,61	36,70	75	16	59	,5			2	1	7	1	19,5	7,5	23,5	9	4	1	1,17
1847	44,73	35,69	70	4	74	1			1	7	9	1	12	2,5	27,5	10	4	1	3,30
1848	50,95	45,45	74	25	49				2	11	,5		17,5	12,5	18,5	15			1,73
1849	46,16	48,56	75	24	51		1		1	9,5	2	3	14,5	13	18	13			6,52
Mean.	48,05	43,09				,91	,56	,38	1,21	5,00	8,00	4,30	10,60	14,41	16,59				3,17
Total.						15,5	9,5	6,5	20,5	85	136	74	180	245	291				53,93

NOVEMBER.

1827	34,26	25,81	48	-2	50											2	4		1,77
1828	43,85	31,45	66	0	66		2,5		2	3,5	7,5	1,5	13	3	27	4	7		4,09
1829	35,12	33,64	50	16	34	,5	1,5		1	7,5	6,5	,5	12,5	7	23	5			2,75
1830	47,17	39,72	56	26	30	1	2	1	5,5	4,5	9	1	6	10,5	19,5	4	2	1	6,10
1831	38,47	30,97	53	14	39	1,5			3	3	3	11	11,5	4	26		5,5	5,5	2,11
1833	38,37	29,35	64	16	48	9,5			4	5,5	4		7	8	22	2	3		3,25
1834	35,86	30,89	56	6	50			1	2,5	,5	10	,5	15,5	13	17	1,5	1,5		1,51
1835	40,02	31,13	66	5	61	3			1,5	7	7	4	7,5	10	20	5	6		
1836	32,81	27,94	57	9	48				1,5	6	4	8	10,5	6	24	2	4		1,44
1839	33,88	29,62	48	-1	49	5		1	11	3,5	7,5	2	9	9	21	2	6		2,28
1842	39,55	24,28	62	2	60	2			1	,5	5	2,5	19	10	20	3	5		1,88
1843	29,77	35,26	58	8	50	1,5					12	12	4,5	4,5	25,5	6	18		3,35
1844	39,38	28,22	62	12	50				,5	3	7	17	2,5	11,5	18,5	3	5		1,10
1845	40,31	33,88	63	9	54			1	3	6,5	6		13,5	5	25	9	2	3	2,72
1846	45,28	38,56	65	18	47	1,5	,5	,5	6	5,5	,5		15,5	2	28	11	9		2,52
1847	44,73	35,67	70	-4	74	1			1	7	9		12	2,5	27,5	10	4	1	1,62
1848	35,02	35,16	50	6	44	2		,5	2	8	,5	1	16	10	20	4	5	1	1,95
1849	48,86	42,70	70	20	50	2	1		1	9	2,5		14,5	10,5	19,5	11	3		2,02
Mean.	39,04	31,90				1,79	,44	,29	1,68	5,09	5,80	4,15	10,76	17,44	22,56				2,49
Total.						30,5	7,5	5	28,5	86,5	98,5	70,5	183	126,5	383,5				42,46

OBSERVATIONS AT HAMILTON ACADEMY.

173

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1827	32,41	24,67	46	—12	58											6	3		5,52
1828	37,26	27,75	56	—4	52	1			1,5		9,5	2	17	20,5	10,5	2	1		,37
1829	33,46	33,22	56	—5	51	,5				12	9	,5	9	9,5	21,5	4	2		2,50
1830	31,83	29,17	50	—0	50	1			2	4	8,5	3	12,5	5	26	5		3	5,78
1831	11,94	12,65	32	—15	47	2			,5	7	8,5	9,5	3,5	6	25		6	6	1,90
1833	27,65	28,13	42	—14	56	4,5		1		5	6,5	6	8	12	19		,5		1,93
1834	28,38	20,92	44	—14	58					5	10,5	,5	15	5,5	25,5		3	1	3,24
1835	16,63	25,20	46	—20	66	4				2,5	10,5	6,5	7,5	8	23	2	9		
1836	27,63	17,92	49	—11	60	,5	1		1	6,5	6,5	2,5	13	7,5	23,5	2,5	5	5	2,37
1839	31,23	17,19	44	—0	44	5	1,5	6	2	7,5		5	4	9,5	21,5	,5	7		3,10
1842	24,50	22,54	39	—6	33		1		,5		7,5	2	20	10	21	,5	9	1	2,47
1843	26,42	31,58	40	—2	42	1				10	5,5	8	6,5	9	22	3	10	3	1,33
1844	29,51	25,48	52	—2	54	1,5	1,5		,5	2	8,5	9	8	10	21	2	7	1	1,23
1845	19,46	21,20	40	—12	52	3,5	1,5	3,5	3,5	4	1,5	2	11,5	5	26	2	13	1	1,38
1846	24,57	26,13	46	—2	48					6,5	4	,5	20	2,5	28,5	5	15	2	2,87
1847	37,53	25,15	60	—4	64	4,5			,5	11,5	5		9,5		31	12	6		3,27
1848	39,35	28,85	64	—4	60	2			3	11,5	1,5	1,5	11,5	4,5	26,5	8	8	2	4,99
1849	28,48	23,90	42	—2	40	1	2		1	8,5	2,5	2	14	3	28	2	18	2	2,37
Mean.	28,24	24,53				1,88	,50	,62	,94	6,09	6,20	3,56	11,21	7,50	23,50				2,74
Total.						32	8,5	10,5	16	103,5	105,5	60,5	190,5	127,5	399,5				76,62

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gauge, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gauge. Monthly mean.	
	First Half.	Seco'd Half.																					
January,--	24.54	21.69	63	—34	97	2.62	.74	.09	1.08	6.44	6.27	1.98	11.88	S 89° 32' W	45	13.42	9.88	21.62				2.21	37.62
February,--	20.87	25.99	64	—28	92	1.07	.67	.29	1.00	5.91	5.18	1.67	11.82	S 88 13 W	41	12.23	10.21	18.03				2.53	43.00
March,---	28.78	34.75	78	—15	93	1.59	.68	.35	1.85	6.18	5.62	1.91	13.32	N 88 24 W	45	13.5	13.47	17.58				2.33	39.69
April,---	43.82	47.32	90	—4	86	1.77	.82	.26	1.59	5.23	5.77	2.59	11.47	N 88 18 W	41	12.47	15.12	14.8				1.91	32.41
May,---	52.58	57.44	92	—20	72	1.71	.24	.26	1.50	4.89	7.33	2.84	11.23	N 89 55 W	48	14.57	15.68	15.32				2.99	50.97
June,---	61.81	64.44	95	—28	67	1.50	.85	.20	1.36	4.59	7.29	3.29	10.42	S 77 08 W	45	13.69	15.59	14.41				3.45	59.74
July,---	66.11	65.49	96	—38	58	1.48	.18	.24	1.15	4.96	9.04	3.83	9.17	S 77 08 W	51	15.22	17.65	13.35				3.82	64.99
August,---	66.28	65.49	95	—38	62	3.06	.24	.44	.82	5.76	7.29	2.50	9.89	S 87 26 W	42	12.74	18.70	12.80				2.40	40.88
September,--	60.69	55.32	90	—19	71	1.41	.94	.15	.82	5.23	6.62	3.71	11.12	S 87 41 W	46	13.8	14.56	15.44				3.66	63.40
October,---	48.05	43.09	82	—11	71	.91	.56	.38	1.21	5.00	8.00	4.30	10.60	S 87 19 W	51	15.4	14.41	16.59				3.17	59.93
November,--	39.04	31.90	70	—4	74	1.79	.44	.29	1.68	5.09	5.80	4.15	10.76	S 87 26 W	43	14.08	17.44	22.56				2.49	42.46
December,--	28.24	24.58	64	—20	84	1.88	.50	.62	.94	6.09	6.20	3.56	11.21	S 86 04 W	44	14.24	7.50	28.50				2.74	46.62
Mean,----	44.98	44.95	96	—34	180	1.78	.90	.29	1.21	5.45	6.69	3.02	11.07	S 85° 52' W	48	14.83	14.14	16.30				2.81	48.49

Highest degree, July 28, 1843, 96°
 Lowest degree, January 7, 1835, —34
 Extreme range in 18 years, 130
 Greatest monthly range in January.
 Least monthly range in August.

Mean monthly range, 77½°.
 Driest month, April.
 Wettest month, July.
 Total fall of rain and snow in 18 years, 51 feet 0,28 inches.

OBSERVATIONS AT HAMILTON ACADEMY.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1827	16.57	26.21	34.18	47.81	54.09	64.05	67.48	65.28	60.62	45.88	29.68	28.54	41.70	93	-20	118	68	January 25,	August 1,	October 17.	October 17.
1828	26.38	32.63	36.05	40.76	56.22	66.74	65.00	63.29	60.87	46.97	37.65	32.00	47.46	95	-20	115	70	January 24,	June 27,	November 12.	November 12.
1829	25.18	20.29	23.41	44.42	55.13	62.92	63.86	64.70	53.06	48.16	34.88	33.34	44.43	93	-20	113	62	January 3,	June 17,	October 1.	October 1.
1830	19.16	21.93	31.51	50.88	52.08	69.10	69.68	65.34	55.80	50.03	43.44	40.50	45.87	95	-20	115	74	January 30,	July 21,	September 18.	November 6.
1831	13.67	20.22	37.19	46.14	59.50	73.65	70.88	68.99	56.88	49.98	34.72	12.25	45.75	96	-23	119	75	December 22,	June 3,	September 18.	October 27.
1832	27.95	19.67	30.59	51.25	59.73	73.59	86.65	10.63	98.56	55.44	72.33	86.27	89	94	-24	118	86	January 11,	July 1,	October 20.	October 20.
1833	20.78	32.32	34.19	44.93	52.91	67.94	66.51	62.63	67.49	45.20	32.37	24.65	44.49	93	-14	107	66	December 14,	July 16,	November 12.	November 12.
1834	21.74	18.50	29.64	41.74	53.82	65.63	69.21	63.99	53.54	51.41	35.57	20.91	43.83	92	-34	126	90	December 16,	June 3,	August 3.	September 30.
1835	21.41	18.95	24.37	33.95	32.32	61.93	66.77	60.15	56.07	35.95	30.22	22.77	40.45	94	-28	122	80	February 5,	July 13,	September 27.	September 27.
1836	20.53	24.58	32.40	46.80	54.22	57.19	65.05	62.48	59.74	49.64	31.75	24.21	44.05	90	-25	115	78	January 23,	July 26,	November 1.	November 1.
1837	27.94	27.61	35.92	44.62	51.31	58.89	64.77	65.16	56.15	46.39	31.91	23.52	44.51	88	-16	104	74	January 13,	July 19,	September 24.	September 22.
1838	30.25	16.44	20.40	44.39	53.88	63.08	67.83	70.54	62.46	41.51	32.51	29.00	44.36	96	-15	111	70	February 17,	July 28,	October 13.	October 13.
1839	15.55	23.23	33.57	51.49	54.58	65.10	69.19	64.56	59.27	38.66	33.80	27.50	44.71	90	-17	105	64	January 27,	July 9,	September 23.	September 30.
1840	26.08	26.13	37.20	45.73	52.01	63.02	66.97	69.25	56.15	48.82	37.09	30.34	45.73	92	-13	105	66	February 1,	August 23,	October 14.	October 14.
1841	23.91	19.64	33.22	49.95	53.71	63.37	67.48	68.47	62.12	43.65	40.42	25.35	46.36	93	-16	109	62	January 19,	July 10,	September 10.	October 18.
1842	22.55	24.33	27.91	41.79	57.50	61.12	70.08	65.95	57.69	45.19	40.21	31.35	45.47	92	-12	104	74	November 29,	July 19,	September 11.	October 13.
1843	27.74	23.24	30.75	43.84	53.35	65.63	67.49	67.74	54.73	48.20	35.09	34.10	46.41	93	-21	114	77	January 10,	June 17,	September 7.	September 22.
1849	19.58	21.90	34.41	42.11	53.07	65.64	69.14	67.91	59.58	47.36	45.78	26.16	46.10	94	-18	112	66	January 11,	July 12,	September 2.	October 7.
Mean.	22.90	22.95	31.80	45.43	54.97	63.08	67.36	65.86	58.28	45.58	35.63	26.35	44.82								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1828	18	34	2,5	25	38,5	135	14,5	98,5	S 73° 34' W	38	141,16	171	195	70	24	1
1829	10	26,5		14,5	56,5	121	5,5	131	S 78 43 W	43	157,87	178	187	32	20	6
1830	15	7,5	5	24	74,5	80	10,5	148,5	S 81 11 W	40	146,54	189,5	175,5	37	16	4
1831	24	2,5	0	8,5	100	82,5	53,5	94	S 44 46 W	27	100,17	194,5	170,5	29,5	25,5	48
1832	44	6,5	2	9,5	105	81,5	54	63,5	N 82 35 W	39	144,41	174	192	39,5	16,5	0
1833	36	2,5	1	10	55,5	94,5	25,5	140	N 68 1 W	54	195,73	165,5	199,5	21,5	18,5	
1834	24,5	4	2	3	16	159	10,5	146	N 89 59 W	60	219,22	189	176		16,5	1,5
1835	16,5	5,5	1	6	43,5	128,5	35,5	128,5	S 82 31 W	57	209,98	184,5	180,5		23	1,5
1836	21	8	5	26,5	59	67,5	59	120	S 85 5 W	45	163,88	139,5	226,5	33,5	29,5	2
1839	43,5	26	13	29,5	84	49,5	48	71,5	N 71 22 W	23	85,92	157	208	30	25	0
1842	31,5	15,5	4,5	14,5	56	69,5	33,5	140	N 80 30 W	43	158,09	173,5	191,5	50,5	33,5	7
1843	16,5	7,5	1	8	34,5	91,5	91,5	114,5	S 89 28 W	62	225,22	162,5	202,5	94	57	4
1844	12	2	6,5	3,5	41,5	82,5	147	71	S 81 2 W	68	248,23	185	181	74	36	3
1845	16,5	13	6	20	79	55	42	133,5	S 85 19 W	40	146,45	116	249	87	50	7
1846	15,5	8	4,5	22	76	40	8,5	190,5	N 76 5 W	41	150,08	116,5	248,5	99	59	10
1847	11,5	7	3	9,5	85,5	53,5	16,5	178,5	N 89 6 W	45	165,91	111,5	253,5	113	54	3
1848	12,5	2,5	1,5	13	99,5	34	5	198	N 82 32 W	43	157,92	142	224	112	37	9
1849	19,5	12	3,5	11	109,5	25	10,5	174	N 83 2 W	46	166,72	163,5	201,5	93	48	7
Mean.	21,56	10,59	3,44	14,33	67,33	80,56	37,29	130,08	S 85° 22' W	45	165,72	161,78	203,44			
Total.	388	190,5	62	258	1214	1450	671	2341,5				2913	3662			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1827	2.33	3.43	3.00	1.93	1.11	2.68	3.21	3.89	6.75	7.77	1.77	5.52	43.44	May.	October.
1828	1.53	3.25	1.68	1.75	2.91	5.35	6.20	2.38	3.53	1.14	4.09	.37	31.13	December.	July.
1829	3.60	3.05	1.95	4.50	1.65	3.45	2.55	1.67	3.56	1.58	2.75	2.50	33.26	October.	April.
1830	1.60	1.00	5.51	1.85	2.84	6.60	6.75	.74	2.15	2.29	6.10	5.78	42.71	August.	July.
1831	2.25	3.59	.52	4.18	1.49	4.20	2.74	3.59	2.85	3.71	2.11	1.90	35.79	May.	June.
1832	3.09	4.65	1.25	1.89	1.85	.73	3.40	6.73	2.83	2.18	3.24	3.47	35.33	June.	August.
1833	2.20	5.84	3.14	.62	5.16	2.26	7.79	2.65	5.50	2.96	3.25	1.93	43.20	April.	July.
1834	2.75	1.59	2.59	1.17	2.65	3.74	3.04	1.85	4.08	4.29	1.51	3.24	32.50	April.	October.
1835	4.57	1.33	1.35	1.95	4.85	5.63	3.35	2.65	6.14	4.37	1.44	2.37	40.05	February.	September.
1836	2.90	.80	1.09	1.19	4.17	4.42	5.27	1.90	2.51	1.23	2.23	3.10	35.11	March.	January.
1842	1.62	3.23	3.55	2.49	2.04	3.10	4.49	3.53	5.95	2.77	1.88	2.47	37.18	January.	September.
1843	1.56	2.30	3.30	2.30	1.65	3.60	2.16	4.43	4.03	2.76	3.35	1.33	32.87	December.	August.
1844	1.57	1.10	1.27	1.51	4.39	1.54	2.81	2.71	2.50	3.61	1.10	1.23	25.55	February.	May.
1845	2.94	4.25	2.69	2.63	2.34	1.75	2.03	.94	3.26	2.63	2.72	1.35	29.61	August.	February.
1846	1.60	3.24	2.37	1.30	3.91	2.52	4.20	1.77	3.63	1.17	2.52	2.57	31.10	October.	July.
1847	1.79	3.04	1.59	1.37	2.33	4.83	2.74	2.63	3.15	3.30	1.62	3.27	31.71	April.	June.
1848	1.43	1.26	2.77	1.25	4.25	1.57	5.29	1.93	1.93	1.73	1.95	4.99	30.50	April.	July.
1849	1.13	.65	1.32	1.47	3.23	4.40	.37	2.17	1.43	6.52	2.02	2.37	27.13	July.	October.
Mean.	2.25	2.65	2.27	1.93	2.93	3.43	3.79	2.70	3.63	3.12	2.54	2.73	34.52		
Total.	40.71	47.65	40.94	34.75	52.82	62.42	63.39	98.61	66.23	56.11	45.70	50.09	621.27		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1826	10	31	25	1	24	17	18	11	2	6	10	13	12	26	20	31	2	30	6	25	14	4	8	28
1827	27	18	27	11	21	3	3	25	31	7	10	15	14	26	4	23	13	3	6	17	3	27	9	22
1828	3	23	6	12	29	4	26	6	13	7	27	9	26	11	31	19	1	9	10	16	3	16	3	30
1829	15	3	8	4	29	6	20	6	24	12	13	28	17	1	8	27	1	27	25	20	17	12	7	17
1830	3	30	20	6	30	4	21	3	4	22	17	21	21	11	23	26	6	17	1	25	10	26	31	21
1831	4	23	29	6	23	19	26	9	30	9	3	24	28	12	19	6	10	30	2	28	9	30	24	22
1833	5	11	17	27	21	4	28	14	18	4	22	3	1	19	13	29	4	13	17	30	7	21	2	11
1834	17	24	20	1	20	21	14	2	22	13	8	3	16	1	7	20	5	29	2	14	10	15	2	14
1835	26	7	22	8	16	3	12	17	23	14	3	21	13	1	13	9	5	30	18	7	4	29	26	16
1836	13	28	20	5	10	2	29	11	3	14	30	12	13	26	8	20	19	28	1	25	11	25	10	30
1839	11	23	23	9	29	10	5	17	21	3	8	13	26	10	23	21	22	30	27	20	14	22	8	31
1842	20	13	3	17	2	12	22	1	18	9	30	11	19	31	31	1	11	23	1	27	15	29	21	23
1843	21	29	19	17	28	4	27	2	15	12	9	2	28	3	7	21	4	27	2	31	24	17	17	13
1844	16	27	29	1	12	31	23	1	25	22	26	11	9	27	16	28	20	30	9	12	11	28	7	20
1845	28	31	21	1	30	16	24	8	13	29	8	17	13	3	23	29	2	22	11	21	1	28	17	12
1846	25	19	3	26	25	1	21	13	14	11	30	22	10	15	5	18	7	15	8	18	2	30	27	16
1847	1	21	2	23	25	2	21	18	11	3	10	15	18	27	10	23	5	15	6	27	3	29	10	26
1848	1	10	20	11	31	15	11	19	29	12	17	7	21	16	15	29	11	22	16	22	14	10	8	23
1849	25	11	28	15	29	4	4	14	22	2	22	5	12	2	28	31	16	27	27	31	7	1	20	25

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1826	55	0	54	-26	68	7	80	4	88	30	86	52	92	51	90	40	87	43	80	18	54	18	56	2
1827	48	-20	48	-17	56	2	72	28	80	32	86	48	90	47	93	44	84	43	80	24	48	-2	46	-12
1828	48	-20	55	8	78	8	62	25	77	31	95	41	87	49	93	47	71	19	75	19	66	0	56	4
1829	40	20	46	-15	61	0	72	26	92	30	93	40	85	44	90	38	83	35	75	19	50	16	56	-5
1830	40	-20	55	-12	63	-11	86	21	80	30	85	37	95	45	95	39	75	25	76	30	56	26	50	0
1831	52	-23	50	-23	69	9	72	24	91	24	96	34	89	38	96	39	80	32	75	18	53	14	32	-15
1833	63	-23	48	-24	65	-1	90	23	92	27	86	33	94	48	87	40	86	30	70	26	64	16	42	-14
1834	44	-13	64	6	66	0	86	23	86	20	86	30	93	38	92	39	86	22	76	18	56	6	44	-14
1835	56	-34	48	-12	52	-15	76	15	84	24	89	38	85	46	92	33	78	27	74	27	66	5	46	-20
1836	39	-20	52	-28	54	-6	72	12	81	28	90	32	94	42	90	33	83	26	64	11	57	9	49	-11
1839	49	-18	53	-25	59	-2	78	24	81	27	77	40	86	50	89	35	90	28	82	18	48	-1	44	0
1842	54	-16	53	0	68	4	88	14	79	30	84	28	88	40	88	42	86	26	68	26	62	2	39	6
1843	58	-5	40	-15	44	-6	77	7	84	28	92	29	96	43	94	47	88	28	73	26	58	8	40	-2
1844	36	-15	44	-8	48	14	86	22	88	24	88	34	90	44	89	45	89	30	58	22	62	12	53	-2
1845	45	-2	52	-13	76	10	78	19	86	27	87	32	92	48	92	48	83	32	71	20	63	9	40	-12
1846	46	-14	40	-16	54	-8	82	22	81	30	85	43	93	46	90	44	89	28	75	16	65	18	46	-2
1847	45	-2	44	-12	54	-4	75	6	84	30	85	40	92	42	85	45	83	34	67	16	70	-4	60	-4
1848	56	-21	45	-9	66	-5	71	21	85	32	93	36	99	49	91	46	75	28	74	25	50	6	64	4
1849	44	-15	48	-18	62	5	72	20	85	27	94	43	94	47	89	44	84	32	75	24	70	20	42	2
Highest.	63		64		78		90		92		95		96		95		90		82		70		64	
Lowest.		-34		-28		-15		4		20		28		38		33		19		11		-4		-20
Range.		97		92		93		86		72		67		58		62		71		71		74		84

SUMMARY OF OBSERVATIONS AT HARTWICK SEMINARY,

HARTWICK, OTSEGO COUNTY, N. Y., DURING SEVENTEEN YEARS.

Latitude N. 42° 38'; Longitude W. 75° 01'. Elevation above tide, 1100 feet. On a tributary of the Susquehanna.

OBSERVERS.

1826, ERNEST L. HAZELIUS.

1839, Rev. GEORGE B. MILLER, Principal, and L. STERNBERG, Professor.

1827, E. L. HAZELIUS, D. D., Prin., and G. B. MILLER, Prof.

1845, Rev. GEORGE B. MILLER, Principal.

1828 to 1835, (ex. 1833, '4,) Rev. GEORGE B. MILLER, Prin.

1846 to 1850, inclusive, Rev. GEORGE B. MILLER, Principal.

1837, L. STERNBERG, Assistant Teacher.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	31,02	19,70	59	-14	73	3	1,5	,5	2,5	5,5	6	6	6	8	23	4	5		3,54
1827	20,66	16,16	44	-17	61	3,5	1	1,5	4	1,5	5,5	6	8	12,5	18,5	1	9		3,13
1828	35,04	21,51	50	-14	64				6,5	9	4	2,5	9	7	24	3	3	,5	3,16
1829	18,46	26,58	59	-12	71	5				13,5	1	4	7,5	6,5	24,5	1	7		3,43
1830	28,58	16,31	58	-10	68	1				17	,5	4,5	8	9	22	,5	7		2,21
1831	22,08	12,15	54	-30	84		1			10	2	5,5	12,5	12	19	,5	7,5		2,45
1832	25,31	22,34	53	-20	73				,5	13	2,5	7	8	10,5	20,5	1	6		4,41
1835	16,09	31,27	48	0	48	1				15,5	3,5		11	15	16	1,5	1,5	1	2,53
1837	14,87	19,01	48	-	452					10	6,5	1	13,5	14,5	16,5		6		,20
1839	26,26	17,94	50	-14	64	17,5				12,5		,5	,5	7,5	23,5	2	6,5		2,99
1845	32,10	31,41	54	5	49		,5	1,5	2	8	6,5	5,5	7	10,5	20,5	3,5	4	1	2,92
1846	34,17	26,34	48	-	250		3	,5	2,5	11,5	1,5	3,5	8,5	10	21	2,5	5		2,70
1847	34,04	23,96	48	6	42	2				10	6	3	10	11,5	20,5	4	3,5	,5	
1848	25,83	31,53	57	-17	74	1			1	15	1	2	11	15	16	3	5		2,26
1849	15,32	25,16	50	-20	70		,5		,5	10,5	2		17,5	12	19	1	2		
1850	25,53	29,65	54	2	56		1		1,5	14,5	3	2	9	12,5	18,5	1,5	2		1,45
Mean.	25,33	23,19				2,13	,53	,25	1,31	11,06	3,22	3,31	9,19	10,87	20,13				2,66
Total.						34	8,5	4	21	177	51,5	53	147	174	322				37,38

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	28,36	28,73	54	—24	78	1,5	1		5,5	5	4,5	3,5	7	9,5	18,5	2	5		3,49
1827	21,16	32,34	51	—25	53	2	2	2,5	4	1,5	5	5	6	8	20	6	4		2,81
1828	32,93	31,40	53	—7	46			2		15,5	3	4,5	4	7,5	21,5	3,5	5		2,70
1829	21,24	17,26	47	—15	62		1		2	6,5	2,5	3,5	12,5	9	19		7		2,01
1830	16,73	34,11	60	—17	77	,5	,5		,5	12,5	,5	2,5	11	12,5	15,5		3,5		1,00
1831	13,53	23,29	46	—16	62			,5	1	10,5	1,5	4,5	10	15,5	12,5	1,5	4,5	,5	4,23
1832	27,22	22,01	47	—14	51		,5			13,5	1	1,5	12,5	7	22	1,5	7	2	4,60
1835	13,78	26,85	48	—0	48		2,5	1	,5	8	1	1,5	13,5	11,5	16,5	1	4	,5	1,26
1837	22,95	25,89	51	—13	64	6,5			,5	14	2	1,5	3,5	9,5	18,5		5	,5	1,62
1839	19,23	33,49	48	—14	62	7,5				18,5		1		5,5	22,5	2	5,5	,5	,80
1845	21,60	40,62	63	—2	65		1	1	,5	6,5	2,5	6	10,5	14	14	,5	4,5	,5	1,95
1846	27,63	23,92	44	—5	49		1	,5	,5	9,5	1,5	3	12	15,5	12,5		3		1,32
1847	30,09	28,19	52	—6	58	,5	2,5	,5		8	4	,5	12	5	23	1,5	4		
1848	20,54	27,48	49	—9	58		,5			9,5	1,5	2,5	15	17,5	11,5		8		,74
1849	19,49	20,02	48	—19	67		2,5		2,5	9	1	2	11	13	15		6		
1850	26,03	28,96	50	—3	53	,5		1,5	1	8,5	,5	6	10	13,5	14,5	1	1	,5	1,58
Mean.	22,66	27,78				1,19	,94	,47	1,16	9,77	2,00	3,06	9,46	10,84	17,61				2,15
Total.						19	15	7,5	18,5	156,5	32	49	151,5	174	277				30,10

MARCH.

1826	39,08	31,64	72	8 64	1,5	3	1	1,5	3	3	1	17	12,5	18,5	7,5	1		4,00
1827	29,15	35,84	69	— 4 73	2	1		4,5	2,5	5	8	8	14,5	16,5	3	4		3,01
1828	30,92	40,28	67	10 57		1,5		2	9	6,5	5	7	17	14	2,5	2,5		1,39
1829	30,49	29,99	68	0 68		,5			7,5	2	6,5	10,5	12,5	18,5	1	7		2,79
1830	31,27	40,44	66	2 64				,5	13	,5	6,5	15	16	15	3	6		5,02
1831	34,77	37,60	60	10 50				1	17,5		7,5	,5	9,5	21,5	3	3		2,49
1832	34,63	34,94	64	2 62					17		,5	13,5	11,5	19,5	3,5	6		1,92
1835	26,60	33,67	54	0 54			,5	,5	14	2,5	13,5	15	16		3,5			1,07
1837	26,20	34,09	55	—12 67	12				13	1	5	12,5	18,5	4,5	3	,5		1,85
1839	25,49	34,95	56	—2 58	9				13,5	,5	8	19,5	11,5	4,5	1,5	,5		,90
1845	42,08	42,84	76	17 59	1	,5	,5	1	13	1	8	6	15	16	1,5	7		3,40
1846	37,43	42,19	60	4 56	1			1	11,5	1	3,5	13	17,5	13,5	2	,5	,5	3,01
1847	30,97	37,42	57	10 47	,5	1		1,5	8,5	6	13,5	17,5	13,5	2	3	,5		
1848	24,62	36,51	72	—10 82			1	1,5	14,5	1	1,5	11,5	14,5	16,5	5	4		2,25
1849	30,07	38,64	58	7 51	,5	3	,5	1,5	11	,5	,5	13,5	17,5	13,5	2		2	
1850	31,32	28,69	62	6 56	,5	,5	3	,5	4,5	3,5	3,5	15	17	14		3		3,25
Mean.	31,56	36,05				1,75	,69	,41	1,06	10,81	1,59	3,78	10,91	14,99	16,01			2,59
Total.					28	11	6,5	17	173	25,5	60,5	174,5	239,5	256,5				36,35

APRIL.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	34,14	42,53	78	6	72	4	3	,5	1	3,5	7,5	2	8,5	14	16	5	5		3,52
1827	49,86	41,70	74	23	51	3		,5	4,5	4,5	3,5	9	5	12,5	17,5	8	1		5,32
1828	36,57	43,10	58	24	34	1,5			2,5	6		19		11,5	18,5	4,5	2,5		2,77
1829	39,33	45,16	73	24	49				2	10,5		9,5	8	11	19	5	2		5,20
1830	47,92	54,59	82	26	56		2		4	8		,5	15,5	17,5	12,5	4,5		,5	2,62
1831	44,09	46,46	72	24	48	2	,5	1		12,5	,5	5,5	8	13	17	5	1	,5	5,09
1832	40,25	45,48	78	16	62					7,5	6	1	15,5	15,5	14,5	6			4,30
1835	44,69	39,05	72	20	52	1				10,5	1,5	5,5	11,5	14	16	3	3,5	1	3,78
1837	38,76	41,62	72	21	51	4		,5	2,5	8,5	,5	2,5	11,5	11	19	2,5	3,5	1,5	2,36
1839	45,76	46,91	74	45	49	15				9,5	1,5		4	17,5	12,5	7	1		2,71
1845	43,25	57,34	80	24	56		1	1	1	10	1,5	6	9,5	15,5	14,5	6,5	2		2,79
1846	47,55	59,34	78	28	50	1		1	1,5	11,5	1,5	5,5	8	17	13	1	1		1,15
1847	44,20	49,34	75	18	57	,5		,5		10	3	5,5	10,5	14,5	15,5	2	1		
1848	44,34	44,90	68	25	43	,5	,5	,5	,5	9	1,5	2	15,5	21,5	8,5	2	3	1	1,40
1849	43,09	40,78	68	17	51		1,5		1	7	6,5	1	13	13	17	4	3	1	
1850	34,37	45,17	70	15	55	,5	,5	1	1,5	14	1	1,5	10	17	13	2,5	2,5	1	2,78
Mean.	42,38	46,47				2,06	,56	,41	1,44	8,91	2,25	4,75	9,62	14,75	15,25				3,29
Total.						33	9	6,5	23	143,5	36	76	154	236	244				45,79

MAY.

1826	63,06	59,55	92	33	59	3			1	6,5	6	5,5	3	20	11	2			,48
1827	47,99	58,12	88	32	56	4	1,5	1	5	5	5	7	7	18,5	12,5	5	1		2,17
1828	58,14	55,70	80	32	48	1,5	,5	1		9	1,5	13,5	4	10,5	20,5	6			3,34
1829	50,12	66,04	91	26	65	5		,5	1	4,5	1,5	4,5	4	21,5	9,5	4	1		2,82
1830	54,77	50,73	81	30	51		1			14	1	12,5	2,5	19	12	5,5			2,56
1831	51,29	60,98	86	30	56				1	15,5	4,5	1,5	8,5	13	18	7,5	1		3,64
1832	56,10	52,48	85	30	55	,5		2,5		6,5	6,5	,5	14,5	16,5	14,5	7			3,95
1835	50,78	63,75	86	30	56			1		11,5	2,5	4,5	11,5	20,5	10,5	5			1,91
1837	51,68	54,08	83	20	63	4			1,5	15,5	2	2,5	5,5	13	18	8,5	,5		4,33
1839	52,17	58,52	78	32	46	8			1	11	2	6	3	13	18	5			2,43
1845	60,44	57,34	87	32	55		2,5		1,5	8	3,5	,5	15	17,5	13,5	4			3,57
1846	62,07	64,65	82	38	44	1		1	1	18,5	1,5	,5	7,5	12,5	18,5	9,5	1		6,64
1847	58,95	64,62	83	35	48	4	8,5	1	1	10	1,5	4	1	20	11	5,5			
1848	54,28	63,16	82	32	50		3,5		,5	9,5	4,5		13	16	15	13			5,78
1849	47,58	55,95	83	31	52	1,5		1	2,5	9,5	3,5	2	11	13	18	9			
1850	49,02	51,27	76	30	46	,5	3,5		5	3,5	3,5	1,5	13,5	11	20	6,5	,5		3,19
Mean.	54,28	58,56				2,06	1,38	,56	1,09	9,88	3,16	4,09	7,78	15,97	15,03				3,35
Total.						33	21	9	17,5	158	50,5	66,5	124,5	255,5	240,5				46,81

OBSERVATIONS AT HARTWICK SEMINARY.

JUNE.																				
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1826	64,18	65,29	92	37	55	1	,5	1,5	4	5,5	4	8	5,5	8,5	21,5	13				9,11
1827	63,50	61,82	91	37	54	2,5		2	2,5	5,5	6	7	4,5	9,5	20,5	5				3,18
1828	62,98	73,83	92	42	50					18,5	,5	8,5	2,5	19,5	10,5	3,5				3,67
1829	66,44	60,77	87	38	49				1	1,5	1	15,5	2	20	10	5				4,54
1830	58,82	60,48	80	40	40					15,5	4	5	5,5	12,5	17,5	12				7,08
1831	70,09	64,97	90	43	47			4		13		11	2	13,5	16,5	9				5,05
1832	61,36	66,33	84	40	44					12,5	4	6,5	7	19	11	6,5				1,60
1835	69,83	60,77	88	42	46					14	3	2	11	15,5	14,5	4,5				4,58
1837	66,99	61,65	82	44	38	10,5	,5			10,5	1	4,5	3	11	19	14				3,51
1839	58,75	61,24	79	38	41	1,5		1,5		9,5	3	5,5	9	14,5	15,5	8,5				2,40
1845	71,06	66,56	90	46	44				1	11,5	5,5	2	10	20	10	4				4,10
1846	68,52	68,13	82	49	33		2,5	,5	1	11,5	2,5	1,5	10,5	14	16	6				3,29
1847	63,99	68,13	84	48	36		,5		1,5	12,5	5	6	4,5	13,5	16,5	6,5				
1848	65,80	71,37	90	32	58	,5				11	3,5	1,5	13,5	20,5	9,5	8				1,97
1849	58,81	68,33	86	42	44		2	,5	2	9	6	2,5	8	19	11	6				
1850	63,17	68,50	86	40	46	2			1,5	11,5	6	,5	8,5	22,5	7,5	3,5				2,66
Mean.	64,64	65,51				1,12	,37	,62	,91	11,37	3,44	5,47	6,70	15,81	14,19					4,05
Total.						18	6	10	14,5	182	55	87,5	107	253	227					56,74
JULY.																				
1826	67,07	65,57	96	42	54	2,5		,5	1	7	6,5	6	7,5	21	10	5,5				3,69
1827	72,80	65,74	94	46	48	,5		2	2	6	6	10,5	4	11	20	10				5,34
1828	63,08	66,98	89	50	39				3	10	1	14,5	2,5	13,5	17,5	12,5				2,73
1829	63,68	67,14	86	46	40					13	5,5	7	5,5	16,5	14,5	4				4,61
1830	64,66	73,98	91	44	47				1	15,5	,5	10,5	3,5	18,5	12,5	6,5				5,10
1831	66,15	68,56	87	44	43				,5	21,5	1	3	5	13	18	8,5				4,04
1832	67,95	64,57	90	52	38				1	7	9,5	1,5	12	17	14	5				4,29
1835	67,02	67,94	88	43	45					19	2	5	5	15,5	15,5	6				4,33
1837	66,01	64,93	88	41	47	7,5	,5			8,5	1	7	6,5	11	20	7,5				2,80
1839	64,44	71,96	86	48	38					20,5		5,5	5	13	18	9,5				3,59
1845	72,05	71,51	94	51	43				,5	10,5	5	4	11	18	13	4				4,42
1846	71,79	72,29	92	49	43		1	,5	2	12	3	2	10,5	16,5	14,5	3,5				4,15
1847	72,73	68,23	88	40	48		,5	3	1	19	2	2	3,5	18	13	6,5				
1848	66,06	68,52	86	50	36		1	,5	2	15	3	2,5	7	17,5	13,5	11				4,41
1849	68,56	68,83	86	44	42		2		1,5	15,5	,5	3	8,5	25	6	4				
1850	71,10	70,48	84	48	36	,5	5			11	7,5	1	6	18,5	12,	8				5,91
Mean.	67,81	68,58				,69	,62	,41	,97	13,18	3,38	5,31	6,44	16,47	14,53					4,24
Total.						11	10	6,5	15,5	211	54	85	103	263,5	232,5					59,41

OBSERVATIONS AT HARTWICK SEMINARY.

181

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	65,16	68,35	91	39	52	2	2,5	7	4	3,5	6	5	1	18	13	2			,76
1827	71,32	64,44	91	36	55	1,5		3	4	4,5	5,5	8	4,5	13,5	17,5	8			6,08
1828	66,64	68,10	90	42	48					15,5	2,5	8	5	25	6	2,5			3,56
1829	67,18	63,42	86	38	48			1		15	2	8,5	4,5	18	13	3			2,50
1830	64,82	63,71	90	42	48				,5	12,5		16	2	21,5	9,5	1,5			,55
1831	64,58	67,88	86	46	40	4			,5	13,5	2	4,5	6,5	17,5	13,5	7			4,98
1832	69,50	62,31	90	42	48					15,5	8	1	6,5	18,5	12,5	4,5			4,92
1835	63,38	64,40	82	38	44				,5	15	3	4	8,5	15,5	15,5	4,5			4,15
1837	66,70	63,16	82	44	38	2				14		2	13	13,5	17,5	8			2,94
1839	64,73	66,80	85	40	45		2			12,5	1	1,5	14	18,5	12,5	4			1,33
1845	72,31	72,79	88	50	38		1		1	21	2	1	5	18	13	3			1,94
1846	75,00	70,23	88	52	36	1	1	,5	,5	16,5	2	3,5	6	19,5	11,5	4			1,89
1847	69,04	62,91	84	46	38	,5	,5	2,5	,5	13,5	2,5	4	7	22	9	4			
1848	69,15	65,60	87	46	41	1		2,5	2,5	13	5	2	5	24	7	4			3,22
1849	65,49	68,58	82	43	39		,5		2	16,5	2		10	19	12	6			
1850	68,72	62,27	86	42	44	1	1,5		1	10,5	7	1,5	8,5	25	6	5			1,94
Mean.	67,73	65,93				,81	,56	1,03	1,06	13,28	3,16	4,41	6,69	19,19	11,81				2,91
Total.						13	9	16,5	17	212,5	50,5	70,5	107	307	189				40,76
SEPTEMBER.																			
1826	65,49	56,60	85	30	55	1,5	1		3	5	8	3	8,5	16	14	6			5,92
1827	64,58	52,63	85	31	54	4	2	3	2	5,5	3,5	5,5	4,5			4			5,85
1828	59,21	57,54	80	39	41	2,5	,5		3	7,5	4	7,5	5	12	18	6			3,47
1829	55,06	52,84	85	28	57	1	2	2		13	1,5	3,5	7	15,5	14,5	8			2,75
1830	60,75	53,17	76	31	45	1			1	13,5	3,5	4,5	6,5	13,5	16,5	3,5			2,83
1831	60,97	53,53	80	32	48					15,5	3	7	4,5	11,5	18,5	6			3,78
1832	57,08	58,73	80	34	46					15,5	6,5	3	5	19	11	,5			1,43
1835	57,99	50,30	82	28	54					12	2,5	6,5	9	14	16	2		,5	1,13
1837	38,47	56,50	76	33	43	1,5		1		13	2	5	7,5	17	13	4,5			,88
1839	62,25	56,10	82	34	48		3	1	3,5	1,5	8	2	11	12,5	17,5	6,5			3,04
1845	62,92	60,15	82	38	44				2,5	5,5	7	3	12	10,5	19,5	2,5			4,68
1846	74,58	62,44	89	44	45		1,5		1,5	10	5	4	8	17,5	12,5	4,5			2,19
1847	61,46	54,64	80	34	46	2,5	3		,5	9	1	5,5	8,5	15,5	14,5	7			
1848	59,89	49,84	78	27	51			,5		10,5	1,5	3	14,5	14	16	9			2,06
1849	58,83	57,73	70	34	44	1	,5		1	11,5	4	3	9	19	11	2			
1850	61,18	56,64	79	30	49	,5	1		1	10	4,5	3,5	9,5	18,5	11,5	5,5			3,23
Mean.	60,04	55,59				,97	,94	,44	1,19	9,91	4,09	4,34	8,12	15,07	14,93				3,09
Total.						15,5	15	7	19	158,5	65,5	69,5	130	226	224				43,24

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	52,48	44,06	79	18	61	3,5	2,5	,5	2	3	5	6	8,5	15	16	7			3,59
1827	51,72	42,93	74	22	52	,5	,5	4,5	5	2,5	3	9	6	9,5	21,5	8	3		7,86
1828	49,65	43,80	73	22	51				1	16,5	1,5	6	6	15,5	15,5	1,5	1		1,26
1829	49,31	48,00	76	18	58		2			15,5	1	3	9,5	20	11	5			3,25
1830	50,11	46,31	78	24	54			1		19,5	2,5	4	4	21	10	7			3,52
1831	45,03	48,95	73	25	48	1				13,5		3,5	13	16,5	14,5	4,5			3,90
1832	51,10	46,22	72	18	54					17,5	,5	1	12	14,5	16,5	7,5			3,16
1835	48,38	57,33	78	29	49				1	14,5	6	3,5	6	15	16	5			3,07
1837	44,74	40,95	78	19	59	3,5				13	3	4,5	7	11	20	6,5			3,68
1839	48,60	51,79	77	20	57		1	1		18,5	3,5	,5	6,5	18,5	12,5	2			,75
1845	60,05	48,52	76	32	44	,5		1		16,5	1,5	3,5	8	16,5	14,5	5,5			5,82
1846	58,36	44,57	80	25	55				2,5	11,5	3	3,5	10,5	12	19	2,5	,5		2,95
1847	48,88	42,76	66	16	50		2		2	12,5	2	2	10,5	15,5	15,5	4,5			
1848	50,24	46,55	68	28	40	,5	1,5		2	7,5	4,5	4,5	10,5	13,5	17,5	7			2,73
1849	45,63	48,03	69	28	41		1		3	11	1		15	12	19	9		1	
1850	49,08	46,81	72	24	48		2,5		,5	12,5	3	2	10,5	19,5	11,5	4,5		,5	4,05
Mean.	50,21	46,72				,60	,81	,50	1,19	12,84	2,56	3,53	8,97	15,34	15,66				3,54
Total.						9,5	13	8	19	205,5	41	56,5	143,5	245,5	250,5				49,59
NOVEMBER.																			
1826	38,56	34,28	65	14	51	2,5	3,5	3	4	5	3	4	5	7	23	6	3		3,55
1827	33,72	26,60	54	8	46	1		,5	3,5	4,5	2	11,5	7	7	23	1	7	1	3,63
1828	42,56	33,80	64	3	61					14,5	1	11	3,5	5,5	24,5	4	4		4,17
1829	37,06	35,12	53	12	41				2	14,5	2,5	2,5	8,5	10	20	7	3		3,33
1830	46,82	40,18	64	29	35		3			14	1	10	2	6,5	23,5	6	2,5	1	5,19
1831	30,12	32,23	54	15	39				,5	12,5	2,5	2	12,5	6,5	23,5	2	3,5		2,93
1832	40,60	36,44	64	14	50					18	,5	3	8,5	10	20	3	3		3,40
1835	44,64	32,17	74	4	70		1	1	3	4	3,5	8,5	9	10	20	1	1	,5	1,97
1837	37,84	39,74	70	3	67	5,5				7,5	4,5	5	7,5	7	23	4			1,84
1839	34,90	28,21	48	2	46			1	,5	11	5	3	9,5	12,5	17,5	2	4,5	,5	2,16
1845	45,99	40,19	68	12	56		2		,5	13	3,5	2	9	7,5	22,5	4	2	1,5	4,57
1846	52,46	40,49	70	24	46		6,5		3	9	3	,5	8	6	24	3,5	2,5		3,82
1847	46,46	36,86	65	2	67				,5	12,5	3	3	11	10,5	19,5	6,5		,5	
1848	33,97	35,08	58	8	50		1,5	1	1	9	2	2	13,5	12	18	1	2	1	1,63
1849	46,40	42,22	69	18	51		2	1	3	10	2	,5	11,5	10	20	8	1		
1850	44,03	37,08	68	14	54	,5	1,5		,5	10	4,5	4,5	8,5	15	15	2	2		2,91
Mean.	41,57	35,67				,59	1,31	,47	1,38	10,56	2,72	4,56	8,41	8,94	21,06				3,22
Total.						9,5	21	7,5	22	169	43,5	73	134,5	143	337				45,10

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	31.67	21.88	57	— 6.63	63	4	2,5	2	1	4,5	3,5	6,5	7	8,5	22,5	1	8		1,07
1827	32.72	23.56	47	— 6.53	53	1	,5	2,5	2,5	6	3,5	8,5	6,5	7,5	23,5	5	5	1	5,02
1828	31.74	21.10	50	0.50						17,5	2	9	2,5	12,5	18,5	1			,45
1829	36.37	36.99	67	13.54	14	14	2,5			10	2,5	1,5	,5	17	14	5	2		3,82
1830	32.76	28.34	54	0.54					2	13	2,5	7,5	6		24	4	6		3,91
1831	12.13	14.96	32	— 7.39				,5	1	6,5	5,5	7	10	7,5	23,5		11		2,06
1832	32.75	25.99	46	— 2.48						13,5	6,5	1	10	7,5	23,5	2,5	3,5	,5	2,80
1835	21.26	27.50	46	1.45						13	4,5	2	11,5	8,5	22,5	1,5	11		,70
1837	30.61	23.81	53	— 10.63	8	8				9,5	3,5	7	3	9,5	21,5	1	7,5	,5	2,35
1839	33.52	18.81	49	— 5.54	,5	9		1,5	2,5	1	1,5	1	14	8,5	22,5	1,5	4,5		,98
1845	25.14	27.49	48	— 7.55						12,5	,5	2,5	15,5	10	21		6	2	1,59
1846	31.51	33.53	48	12.36			2		,5	10	3	2,5	13	8,5	22,5	1	9,5	1	3,28
1847	39.06	25.15	56	2.54			3		4,5	14	,5	2,5	6,5	6,5	24,5	1	4,5		
1848	39.02	30.67	64	2.62	1,5	,5			1,5	14,5	1	5	7	8	23	7	4		4,19
1849	28.32	26.01	43	7.36			3		1	13		,5	13,5	3,5	27,5	3	5	3	
1850	28.27	21.71	48	— 9.57	,5	4,5			3,5	7,5	1	2	12	6	25	2	7	,5	2,54
Mean.	30.43	25.47				1,84	1,72	,28	1,37	10,38	2,59	4,13	8,69	8,53	22,47				2,48
Total.						29,5	27,5	4,5	22	166	41,5	66	139	136,5	359,5				34,76

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.		WEATHER. MEAN RESULTS.					Rain gage, total fall.		
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.		Rain and snow.	Rain gage. Monthly mean.
	First Half.	Seco'd Half.																					
January, --	25.23	23.19	59	— 30	89	2.13	,53	,25	1.31	11.06	3.22	3.31	9.19	S 63° 38' W	42	12.76	10.87	20.13			2.66	37.38	
February, --	22.65	27.73	63	— 24	87	1.19	,94	,47	1.16	9.77	2.00	3.06	9.46	S 62° 03' W	32	9.74	10.59	17.61			2.15	30.11	
March, ---	31.56	36.05	72	— 12	84	1.75	,69	,41	1.06	10.51	1.59	3.78	10.91	S 75° 59' W	38	11.31	14.99	16.01			2.59	36.23	
April, ----	42.38	46.47	82	6	76	2.06	,56	,41	1.44	8.91	2.25	4.75	9.62	S 78° 40' W	38	11.55	14.75	15.25			3.10	43.42	
May, -----	54.28	58.56	92	20	72	2.06	1.38	,56	1.09	9.83	3.16	4.09	7.78	S 65° 30' W	35	10.49	15.97	15.03			3.35	46.81	
June, -----	64.64	65.51	92	32	60	1.12	,37	,62	,91	11.37	3.44	5.47	6.70	S 53° 10' W	46	13.89	15.81	14.19			4.05	56.74	
July, -----	67.81	68.58	96	42	54	,69	,62	,41	,97	13.13	3.38	5.31	6.44	S 45° 24' W	50	15.05	16.47	14.53			4.24	59.41	
August, ----	67.73	65.93	91	36	55	,81	,56	1.03	1.06	13.23	3.16	4.41	6.69	S 46° 30' W	46	13.99	19.19	11.81			2.91	40.76	
September, --	60.04	55.59	85	27	58	,97	,94	,44	1.19	9.91	4.09	4.34	8.12	S 47° 59' W	46	14.84	15.07	14.93			3.09	43.24	
October, ---	50.21	46.72	80	16	64	,60	,81	,50	1.19	12.84	2.56	3.53	8.97	S 46° 54' W	40	11.95	15.34	15.66			3.22	45.10	
November, --	41.57	35.67	74	— 2	76	,69	1.31	,47	1.38	10.56	2.72	4.56	8.41	S 59° 11' W	40	11.98	8.94	21.06			3.22	45.10	
December, --	30.43	25.47	64	— 10	74	1.84	1.72	,28	1.25	10.38	2.59	4.13	8.69	S 63° 10' W	35	10.65	8.53	22.47			2.64	34.31	
Mean, ----	46.55	46.23				1.32	,87	,49	1.15	11.16	2.76	4.23	8.50	S 60° 05' W	40	11.95	14.07	16.27			3.13	43.50	

Highest degree, July 11, 1826, — 96°
 Lowest degree, January 20, 1831, — 30
 Extreme range in 16 years, — 126
 Greatest monthly range in January.
 Least monthly range in July.

Mean monthly range, 71°.
 Driest month, February.
 Wettest month, July.
 Total fall of rain and snow in 14 years, 43 feet 7.11 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1826	25,36	28,54	35,36	38,23	61,30	64,74	66,82	66,75	61,04	48,27	35,42	26,77	46,60	96	-24	129	78	February 1,	July 11,	September 16,	November 4.
1827	18,41	26,75	32,49	45,78	53,05	62,66	69,27	67,88	58,60	47,32	30,16	28,14	45,40	94	-17	111	73	January 25,	July 1,	October 14,	
1828	23,27	32,16	35,60	39,88	56,92	68,40	65,03	67,37	68,37	46,72	38,18	26,42	46,94	92	-14	109	64	January 24,	June 27,	October 14,	
1829	22,52	19,25	34,24	42,24	58,08	63,60	65,41	65,30	53,95	48,63	36,09	40,61	45,49	91	-15	106	71	February 5,	May 30,	September 11,	November 7.
1830	22,45	25,42	35,55	51,25	52,75	59,65	69,72	64,25	56,90	48,21	43,50	30,55	46,63	91	-17	108	77	February 7,	July 21,	September 18,	November 4.
1831	17,11	18,41	36,18	45,27	56,13	67,53	67,35	66,23	57,25	46,99	35,02	18,54	43,96	90	-30	120	84	January 21,	June 11,	September 14,	November 14.
1832	23,82	24,61	34,73	45,26	54,29	63,84	66,26	65,90	57,90	47,99	38,52	29,37	45,89	90	-20	110	73	January 26,	July 5,	September 14,	November 14.
1835	23,68	24,61	34,73	45,26	54,29	63,84	66,26	65,90	57,90	47,99	38,52	29,37	45,89	89	-0	88	70	January 7,	June 4,	August 4,	November 12.
1837	16,94	24,42	31,30	13,41	87,57	26,65	30,67	48,63	59,59	15,52	8,59	38,40	34,83	88	-13	101	67	January 8,	July 1,	November 7,	
1839	22,10	26,36	30,22	46,23	55,34	69,09	69,20	68,76	59,17	50,19	31,55	26,16	45,19	86	-14	100	64	January 23,	July 80,	October 2,	September 28.
1845	31,75	31,11	42,46	53,24	58,89	68,81	71,78	73,55	61,53	54,28	43,09	26,31	51,06	94	-7	101	65	December 13,	July 13,	October 21,	November 9.
1846	30,23	25,72	39,31	53,44	63,36	68,32	71,99	72,61	68,51	51,46	46,47	32,52	52,06	92	-5	97	56	January 18,	July 11,	October 11,	October 18.
1847	29,00	29,14	34,19	46,77	61,78	66,06	70,48	65,97	58,05	45,82	41,66	32,10	48,42	89	-6	94	67	December 21,	July 8,	September 15,	November 15.
1848	28,68	24,01	30,56	44,62	58,72	65,57	67,29	67,37	54,86	48,39	44,52	34,94	46,87	90	-17	107	82	January 10,	June 17,	September 27,	November 7.
1849	20,24	19,75	31,35	41,93	51,76	63,57	68,50	67,03	58,28	46,84	44,31	27,16	45,31	86	-20	106	70	January 11,	July 13,	September 3,	October 7.
1850	27,69	27,49	31,00	39,77	51,14	65,84	70,79	65,49	58,91	47,94	40,56	24,99	45,84	86	-9	95	57	December 31,	July 17,	September 30,	October 27.
Mean.	24,23	25,22	33,89	44,42	56,47	65,07	68,25	66,72	58,75	48,46	38,61	26,94	46,54								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]							RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]					
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direc- tion.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1826	30	21	10,5	32	57	63,5	57	94	N 79° 10' W	33	121,45	154,5	210,5	62,5	28	
1827	25,5	8,5	23	39	49,5	53,5	95	71	S 75 19 W	36	130,61			67	34	2
1828	5,5	2,5	3	19	148,5	26,5	109	51	S 46 49 W	54	200,10	157	209	50	18	
1829	11	5,5	3,5	8	146,5	22	74	86,5	S 56 20 W	45	165,32			43	30	1
1830	153,5	10	8	17	122,5	9	14	31	N 54 45 W	4	12,07	174,5	190,5	53	25	1,5
1831	7	1,5	6	5,5	162	22,5	62,5	98	S 31 23 W	46	167,28	149	216	54,5	31,5	1
1832	5	3,5	2,5	1,5	157	51,5	27,5	123	S 40 16 W	63	229,58	166,5	199,5	47,5	27	2,5
1835	2	3,5	3,5	5,5	151	33	45,3	121	S 58 36 W	46	169,25	170	195	35	24,5	3,5
1837	65	1	1,5	4,5	137	27	42,5	86,5	S 79 11 W	33	119,40	140,5	224,5	61	25,5	3
1839	50	15,5	6	7,5	139,5	25,5	26,5	85,5	S 68 40 W	24	88,81	161	204	54,5	23,5	2,5
1845	1,5	8,5	5	11,4	136	40	44	118,5	S 56 37 W	41	161,48	173	192	39	25,5	5
1846	4	18,5	4,5	17,5	143	28,5	33,5	115,5	S 63 17 W	41	148,54	166,5	198,5	40	22	2
1847	10,5	21,5	7,5	13	139,5	30,5	44	98,5	S 57 06 W	43	156,38	170	195	51	16	1,5
1848	5	9,5	5,5	12,5	138	30	28,5	137	S 64 39 W	39	138,86	194	172	70	26	2
1849	3	18,5	3	21,5	133,5	29	15	141,5	S 62 53 W	33	117,88	176	189	54	17	7
1850	7	21,5	5,5	17,5	118	45	29,5	121	S 64 01 W	34	126,57	196	169	42	18	2,5
Mean.	24,40	10,47	6,26	14,62	129,91	33,66	46,99	98,94	S 61° 54' W	36	132,25	177,50	187,75			
Total.	390	167,5	98,5	234	2078,5	537	748	1581,5				2348,5	2764,5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1826	3.54	3.49	3.94	3.52	3.48	9.41	3.60	4.76	5.92	3.59	3.25	1.67	42.85	May.	June.
1827	3.13	2.81	3.01	5.31	2.17	3.18	5.34	6.08	5.85	7.86	3.63	5.05	53.43	May.	October.
1828	3.16	2.70	1.39	2.77	3.31	3.67	2.73	3.56	3.47	1.26	4.17	3.45	32.67	December.	November.
1829	3.43	2.01	2.79	5.20	2.82	4.51	4.61	2.50	2.75	3.25	3.33	3.60	40.88	February.	April.
1830	2.21	1.00	5.02	2.62	2.56	7.08	5.10	2.55	2.83	3.52	5.19	3.91	41.59	August.	June.
1831	2.45	4.23	2.49	5.09	3.61	5.05	4.04	4.98	3.78	3.90	2.93	2.06	44.64	December.	April.
1832	4.41	4.60	1.92	1.95	3.95	1.60	4.29	4.92	1.43	3.16	3.40	2.80	33.43	September.	August.
1835	2.53	1.26	1.07	3.78	1.91	4.58	4.33	4.15	1.18	3.07	1.97	1.70	30.48	December.	June.
1837	1.20	1.62	1.85	2.36	4.33	3.51	2.80	2.94	1.88	3.63	1.84	2.35	28.36	January.	May.
1839	2.99	89	1.90	2.71	2.43	2.40	3.59	1.33	3.04	1.75	2.16	1.98	24.08	October.	July.
1845	2.92	1.95	3.40	2.79	3.57	4.10	4.42	1.94	4.63	5.82	4.57	1.59	41.75	December.	October.
1846	2.70	1.82	3.01	1.15	6.64	3.29	4.15	1.89	2.19	2.95	3.82	3.28	36.39	April.	May.
1848	2.26	1.71	2.25	1.40	5.78	1.97	4.41	3.22	2.06	2.73	1.63	4.19	32.64	February.	May.
1850	1.45	1.58	3.25	2.78	3.19	2.66	5.91	1.91	3.23	4.05	2.91	2.54	35.59	January.	July.
Mean.	2.66	2.15	2.59	3.10	3.35	4.05	4.24	2.91	3.09	3.54	3.20	2.54	37.88		
Total.	37.35	30.11	36.28	43.43	46.31	56.74	59.41	40.81	43.24	49.59	44.80	35.57	523.23		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1826	10	31	25	1	24	17	18	11	15	6	10	13	11	14	20	3	3	17	6	27	17	21	8	28
1827	27	20	18	11	26	3	11	25	27	1	14	1	12	21	3	29	14	26	9	31	4	26	14	23
1828	5	21	7	12	29	4	28	7	19	26	27	10	26	2	30	19	13	28	8	16	4	17	2	18
1829	7	3	7	5	30	14	23	26	25	10	6	25	30	2	24	26	1	16	19	21	17	24	7	4
1830	2	30	21	7	21	19	30	3	1	22	15	9	24	10	23	26	6	17	28	25	16	28	31	22
1831	4	20	16	5	23	17	13	11	30	9	11	23	19	11	17	28	10	30	2	28	10	30	24	22
1832	18	27	3	24	25	18	26	6	14	24	16	6	7	13	14	25	20	6	20	29	4	15	8	22
1835	15	7	22	9	16	1	12	17	25	15	4	20	13	1	17	4	5	30	18	25	4	30	20	17
1837	30	3	15	13	28	1	29	4	14	1	30	28	1	22	2	25	10	12	23	29	21	26	2	22
1839	11	23	25	6	27	25	13	18	2	4	9	2	30	5	22	29	9	30	18	20	15	21	7	30
1845	28	19	21	1	31	16	24	8	14	30	8	30	13	24	23	30	18	22	10	21	1	28	29	13
1846	30	18	7	9	13	1	24	13	28	11	1	22	11	15	5	18	4	28	8	23	3	26	27	16
1847	15	21	3	24	7	16	22	1	29	3	10	15	8	27	15	19	5	15	6	27	9	29	10	21
1848	1	10	20	11	31	15	11	2	29	14	17	1	22	16	12	2	5	22	1	23	4	10	8	23
1849	26	11	28	19	31	4	4	15	22	6	22	6	13	2	28	15	16	2	28	31	7	1	20	26
1850	25	30	26	4 & 5	14	4	27	9	28	11	19	1	17	8	5	18	1	29	11	30	5	22	4	31

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1826	59	-14	54	-24	72	8	78	6	92	33	92	37	96	42	91	39	85	30	79	18	65	14	57	-6
1827	44	-17	51	-2	69	-4	74	23	88	32	91	37	94	46	91	36	85	31	74	22	54	8	47	-6
1828	50	-14	53	7	67	10	58	24	80	32	92	42	89	50	90	42	80	39	73	22	64	3	50	0
1829	59	-12	47	-15	68	0	73	24	91	26	87	38	86	46	86	38	85	28	76	18	53	12	58	5
1830	58	-10	60	-17	66	2	82	26	81	30	80	40	91	44	90	42	76	31	78	24	64	29	54	0
1831	54	-30	46	-16	60	10	72	24	86	30	90	43	87	44	86	46	80	32	73	25	54	15	32	-7
1832	53	-20	47	-14	64	2	78	16	85	30	84	40	90	52	90	42	80	34	72	18	64	14	46	-2
1835	48	0	48	0	54	0	72	20	86	30	88	42	88	43	82	38	82	28	78	29	74	4	46	1
1837	48	-4	51	-13	55	-12	72	21	83	20	82	44	88	41	82	44	76	93	78	19	70	3	53	-10
1839	50	-14	48	-14	56	-2	74	25	78	32	79	38	86	48	85	40	82	34	77	20	48	2	49	-5
1845	54	5	63	-2	76	17	80	24	87	32	90	46	94	51	88	50	82	38	76	32	68	12	48	-7
1846	48	-2	44	-5	60	4	78	28	82	38	82	49	92	49	88	52	89	44	80	25	70	24	48	12
1847	48	6	52	-6	57	10	75	18	83	35	84	48	88	40	84	46	80	34	66	16	65	-2	56	2
1848	57	-17	49	-9	72	-10	68	25	82	32	90	32	86	50	87	46	78	27	68	28	58	8	64	2
1849	50	-20	48	-19	58	7	68	17	83	31	86	42	86	44	82	43	78	34	69	28	69	18	43	7
1850	54	2	50	-3	62	6	70	15	76	30	86	40	84	48	86	42	79	30	72	24	68	14	48	-9
Highest.	59		63		76		82		92		92		96		91		85		80		74		64	
Lowest.		-30		-24		-12		6		20		32		41		36		27		16		-2		-10
Range.		89		87		88		76		72		60		55		55		58		64		76		74

SUMMARY OF OBSERVATIONS AT HUDSON ACADEMY,

HUDSON, COLUMBIA COUNTY, N. Y., DURING SEVENTEEN YEARS.

Latitude N. 42° 15'; Longitude W. 73° 45'. Elevation above tide, 150 feet. On the east side of the valley of the Hudson, about 150 feet above the river.

OBSERVERS.

1827 to 1831, inclusive, (ex. 1830,) J. W. FAIRCHILD, Principal.

1832, JAMES W. FRISBIE and J. W. FAIRCHILD, Principals.

1833, '4, JAMES W. FRISBIE, Principal.

1835, J. W. FRISBIE, A. M. VEDDER and C. C. JOSLIN.

1841, (ex. rain gage,) JONATHAN FORD, Principal.

1842, '3, JONATHAN FORD, Principal.

1844, H. A. FORD.

1845 to 1849, inclusive, JONATHAN FORD, Principal.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	21,04	15,36	40	—17	57	6,5	2	5	2	4,5	2	2,5	6,5	16	15	1	5		2,47
1828	36,45	23,95	51	—24	75	2,5	1,5	2	2,5	5,5	2	5,5	9,5	19,5	11,5	3	2	1	2,40
1829	20,24	26,87	51	—5	56	16		3	1,5	5	1	3,5	1	13	18	4	6	2	3,73
1831	27,61	17,23	56	—10	66	19,5	3			5		,5	3	14	17	2,5	2,5		4,50
1832	28,28	25,34	52	—0	52	12,5	3	2	2	10,5	,5		,5	18,5	12,5	3	2,5		4,10
1833	32,26	26,59	62	—5	67	4	1		8,5	10		4,5	3	22	9	,5	2	,5	2,95
1834	22,04	22,37	44	—1	45	7	1	1	7	5,5			9,5	21,5	9,5	2	1,5		1,45
1835	8,16	34,33	50	—24	74	6	2	1,5	5,5	5,5	1	2,5	7	20,5	10,5	3,5	,5		4,60
1841	26,93	30,52	50	—10	60	9	1		,5	14,5	,5	1	4,5	13	18	5	4,5	,5	
1842	23,78	32,18	49	—0	49	,5	,5	1	8	6,5	2,5	5,5	6,5	19	12		3	1	,92
1843	39,99	31,52	52	—5	57	5,5	1,5	,5	5,5	10,5		1	6,5	13,5	17,5	8	2		2,17
1844	22,24	20,43	43	—12	55	7	2,5		3,5	1	1	1,5	14,5	18,5	12,5	,5	4	1,5	2,60
1845	27,82	23,28	43	—0	43	3,5		,5	5	6,5	1	1,5	13	11,5	19,5	3,5	2,5	1	3,00
1846	29,17	19,05	49	—4	53	4	2,5	1	6	3,5	1,5	1	11,5	11,5	19,5	1,5	3,5	1	1,95
1847	28,55	20,52	48	—1	47	6,5	2	,5	3	11			8	16	15	2,5	2	,5	3,77
1848	26,26	29,92	55	—13	68	,5	3		9	2	5,5		11	10,5	20,5	4	2	1	1,59
1849	15,51	24,51	53	—11	64	8			3	5,5		,5	14	15	16	5			,73
Mean.	25,67	24,94				6,97	1,56	1,06	4,27	6,62	1,06	1,83	7,63	16,09	14,91				2,68
Total.						118,5	26,5	18	72,5	112,5	18,5	31	129,5	273,5	253,5				42,93

FEBRUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	21, 11	32, 90	44	— 9	53	4, 5	3	4	1	6	, 5	3, 5	5, 5	19	9	1	2		2, 26
1828	36, 10	34, 58	60	10	50	1	2	2	5	10	1, 5	3	4, 5	16, 5	12, 5	4	2		5, 30
1829	19, 42	20, 31	38	— 7	45	17, 5				4, 5	1	1, 5	3	14	14	2	7		3, 30
1831	20, 62	28, 70	44	2	42	11	3, 5	2	1	6, 5			4	21, 5	6, 5	2, 5	2		3, 50
1832	28, 40	26, 82	48	— 2	50	10, 5	2	2	4	10			, 5	11	18	2	4		3, 27
1833	17, 71	26, 09	43	— 6	49	11, 5	2, 5	1	5, 5	5, 5		1, 5	, 5	20, 5	7, 5	, 5	2, 5		2, 00
1834	30, 41	38, 36	59	0	59	11, 5			5	7, 5		1	3	14, 5	13, 5	1	1, 5		, 40
1835	14, 37	27, 61	48	— 6	54	4	3		5	4		4	8	16	12		2, 5		, 65
1841	19, 69	30, 23	48	— 2	50	7	3	1	1	10		1	5	16	12	1	2, 5		
1842	37, 70	30, 67	59	10	49	3	1	1	11, 5	2		2, 5	7	16, 5	11, 5	4	1, 5	2	2, 89
1843	18, 15	16, 87	39	— 7	46	3, 5	1		6	2		, 5	15	11	17	1	8		4, 80
1844	21, 08	28, 52	47	— 6	53	6, 5	2		7	1, 5	, 5	1, 5	10	12, 5	16, 5	, 5	3, 5	, 5	1, 02
1845	12, 39	40, 23	64	6	70	8	1, 5		5	5	, 5		8	13	15	2	2		1, 30
1846	22, 78	16, 66	42	— 5	47	7, 5			4, 5	2, 5	, 5	, 5	12, 5	14	14		2, 5		, 82
1847	25, 01	19, 96	46	— 3	49	9	3	1	4, 5	5	, 5	1	4	7, 5	20, 5	1	4, 5	, 5	3, 67
1848	20, 38	28, 12	44	— 4	48	, 5	9, 5	, 5	5		2		11, 5	14, 5	14, 5	1	4	1	1, 48
1849	18, 21	20, 03	45	— 10	55	8, 5	3	1	2	8	1, 5		4	15, 5	12, 5		7	1	, 62
Mean.	22, 56	27, 45				7, 36	2, 36	, 94	4, 29	5, 29	, 50	1, 27	6, 23	14, 88	13, 32				2, 33
Total.						125	40	16	73	90	8, 5	21, 5	106	253, 5	226, 5				37, 28

MARCH.																			
1827	31, 78	39, 76	72	6	66	7		2	6	7, 5	1	2, 5	5	23, 5	7, 5	3	1		1, 28
1828	35, 85	43, 78	71	12	59	5	1, 5	1	1, 5	7, 5	5, 5	3, 5	6	20, 5	10, 5	7	1	, 5	2, 90
1829	32, 52	31, 65	49	16	33	21			3, 5	5		1	, 5	12, 5	18, 5	3	3		2, 10
1831	40, 71	44, 28	64	22	42	5, 5	1	1, 5	4, 5	15, 5	, 5	, 5	1, 5	16	15	3	, 5	, 5	1, 55
1832	37, 85	39, 35	64	6	58	9	3	1	3, 5	12, 5	, 5		1, 5	17, 5	13, 5	4	, 5		4, 15
1833	22, 29	41, 50	62	0	62	3	, 5	2	14	3	, 5	4, 5	4	23, 5	7, 5	2	1		2, 80
1834	38, 47	38, 15	67	13	54	4	1		10, 5	8		, 5	7	21, 5	9, 5	1	1		1, 04
1835	28, 64	36, 05	55	4	51	3, 5	4, 5	, 5	3	5	1	7	6, 5	21	10		3, 5	1	2, 45
1841	28, 72	37, 82	60	8	52	13, 5	3, 5	, 5	2	6	, 5		5	17, 5	13, 5	1, 5	2, 5	, 5	
1842	40, 10	47, 18	70	16	54	2, 5	3, 5	, 5	8	2, 5	1	1, 5	10, 5	15, 5	15, 5	4	2, 5		1, 81
1843	21, 18	26, 69	42	3	39	3, 5	, 5		5	2, 5	1, 5	2	16	13	18	1	9		5, 42
1844	35, 88	30, 94	57	10	47	4, 5	, 5	, 5	9, 5			, 5	15, 5	9, 5	21, 5	4	3	1	2, 94
1845	36, 52	38, 77	73	20	53	5, 5	1, 5	, 5	7	6	, 5	, 5	9, 5	12, 5	18, 5	1, 5	1, 5	1	2, 32
1846	31, 03	39, 64	56	— 2	58	6, 5	, 5	, 5	9	5		, 5	9	17	14	4, 5			4, 04
1847	26, 13	29, 95	47	14	33	10	1		1, 5	10	, 5	1	7	17	14	2	2		4, 53
1848	25, 82	38, 55	60	3	57	1, 5	5, 5	1, 5	5, 5	2, 5	3		11, 5	12	19	5	5		1, 76
1849	30, 50	39, 68	56	14	42	8	2		3, 5	5	3	, 5	9	15, 5	15, 5	10			3, 25
Mean.	31, 99	37, 87				6, 68	1, 76	, 71	5, 76	6, 09	1, 12	1, 53	7, 35	16, 79	14, 21				2, 77
Total.						113, 5	30	12	97, 5	103, 5	19	26	125	285, 5	241, 5				44, 35

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	55,48	46,10	79	33	46	6,5		1,5	3	7	2,5	3,5	6	18	12	6		1	4,55
1828	43,90	46,76	61	31	30	4,5	5,5	1	,5	9	3,5		6	17,5	12,5	9	3	1	2,24
1829	44,44	52,68	75	35	40	16,5	,5			11	,5	1	,5	9,5	20,5	11			3,80
1831	50,15	53,17	70	30	40	12	2	1	3	9	1,5		1,5	15	15	5,5			4,25
1832	46,82	47,86	80	30	50	13,5	6		3,5	6,5			,5	15,5	14,5	6			4,30
1833	49,59	56,76	85	29	56	,5		1	12,5	3	4	9		26,5	3,5	1			,90
1834	51,53	44,37	87	30	57	9	1,5		7,5	7		1,5	3,5	19	11	4,5	1		5,85
1835	43,74	38,46	67	20	47	4,5	5,5	1	4,5	3	2,5	1,5	7,5	13	17	5	1,5		4,50
1841	40,26	49,46	72	22	50	9	4		4	6,5			3,5	11	19	10,5		,5	
1842	48,34	50,35	75	32	43	5	6	3,5	7	,5	,5	1,5	6	16	14	4,5			2,65
1843	39,55	55,44	71	20	51	3,5	1,5	1,5	7,5	3	1	1,5	10,5	11,5	18,5	8	2		2,31
1844	52,54	53,85	86	13	73	3	,5	1	13,5	3	,5	,5	8	18,5	11,5	2,5			,81
1845	41,61	51,18	70	27	43	1,5	1,5		8	5	1,5	1,5	11	15,5	14,5	4			1,54
1846	44,86	55,15	80	26	54	6,5	1		9,5	4,5	1,5		7	17,5	12,5	1,5	,5		,45
1847	38,26	43,56	79	12	67	6,5			4	11,5	,5		7,5	12	18	3	,5		,92
1848	44,92	46,75	70	26	44	5	2		3,5	5,5	2	,5	11,5	19	11	5	1	1	,42
1849	43,86	42,14	67	20	47	6,5	,5	1	1	9,5	2		9,5	16	14	3	2		1,18
Mean.	45,87	49,06				6,68	2,23	,74	5,44	6,15	1,41	1,29	6,06	15,94	14,06				2,54
Total.						113,5	38	12,5	92,5	104,5	24	22	103	271	239				40,67
MAY.																			
1827	50,16	66,10	93	41	52	4		1,5	4	7	,5	1,5	12	21,5	9,5	5		1	3,31
1828	62,59	60,50	79	43	36	6	,5	1,5	1,5	14,5	2	1,5	4	13,5	17,5	13			3,25
1829	57,99	72,78	89	41	48	15,5				8,5	1,5	2,5	1	16,5	14,5	8			1,69
1831	62,86	71,78	94	40	54	7	4	1	1,5	14	1,5		2	18	13	4			2,95
1832	58,74	54,11	88	40	48	7,5	3	1	11,5	2,5	,5	1	4	17,5	13,5	3			1,20
1833	59,73	63,63	89	35	54	1	,5		16	2	1	1,5	9	16	15	4			5,90
1834	47,36	58,70	89	28	61	3,5	1	1	11	7,5		,5	6,5	19	12	4,5			4,86
1835	51,44	63,46	80	34	46	2		,5	1	8,5		11	8	14	17	6			2,29
1841	48,97	65,30	82	30	52	6,5	2,5	1	2	8,5	1,5	3	6	16	15	6		,5	
1842	54,52	61,64	80	38	42	3,5	2	,5	10,5	4	,5	,5	9,5	12	19	6			1,62
1843	56,91	56,48	84	36	48	6,5	1,5	1	5,5	6	1,5	5	8,5	16	15	7			1,51
1844	56,10	59,82	87	32	55	3			13	4,5	,5	2,5	7,5	13,5	17,5	7,5			3,82
1845	60,74	54,15	90	34	56	6,5			8,5	6,5			9,5	16	15	4,5			2,10
1846	58,79	60,66	84	37	47	7			6,5	12,5	,5	,5	4	11,5	19,5	7,5			3,77
1847	56,20	60,82	85	39	46	10	2		5	8	1	1,5	3,5	18,5	12,5	4			1,98
1848	55,69	65,27	88	40	48	7	2		1,5	15,5	,5		4,5	10,5	20,5	12			5,02
1849	50,07	58,82	84	34	50	12,5	2	2	1	11,5	,5	,5	1	11,5	19,5	12			4,74
Mean.	55,81	62,00				6,41	1,24	,76	5,88	8,32	,79	1,69	5,91	15,38	15,62				3,13
Total.						109	21	13	100	141,5	13,5	28,5	100,5	261,5	265,5				50,01

JUNE.																				
YEARS.	THERMOMETER.						WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1827	68,33	69,53	90	48	42	6		,5	1	11,5	1	1	9	22	8	5			2,60	
1828	68,90	76,85	99	59	40	1,5		2		21	3,5	2	2	13,5	16,5	14			7,87	
1829	73,26	70,08	87	58	29	14,5		1		9,5	2	2,5	,5	14	16	10			3,15	
1831	77,50	72,63	93	54	39	9	1		1,5	14,5	1,5	,5	2	18,5	11,5	5,5			3,60	
1832	62,88	69,42	89	48	41	2,5	,5		6,5	4	4,5	4,5	7,5	25	5	2,5			2,36	
1833	62,89	65,30	88	45	43	2,5			6,5	4,5		6	10,5	21,5	8,5	2,5			3,20	
1834	60,63	62,15	88	43	45	1	3,5		10	2		3	10,5	19,5	10,5	5,5			4,10	
1835	68,94	63,22	81	47	34	7,5		,5	,5	12,5	1	4,5	3,5	11	19	8			5,79	
1841	71,07	70,11	94	54	40	4,5		1	,5	15,5	1		7,5	15,5	14,5	6,5				
1842	61,15	71,41	85	40	45	2,5	,5	2	12	5	1,5	,5	6	14,5	15,5	7,5			3,45	
1843	61,15	69,77	90	33	57	8,5	,5		9	3,5	2	2	4,5	17,5	12,5	7			4,58	
1844	60,47	70,37	92	47	45	7,5	,5		8,5	8,5	,5	,5	4	15,5	14,5	4,5			3,93	
1845	68,45	66,79	91	47	44	6,5	,5		6,5	12,5			4	19,5	10,5	3,5			1,46	
1846	65,91	65,79	85	50	35	5,5	,5	,5	2,5	15,5	,5	1	4	12,5	17,5	4,5			1,41	
1847	63,35	67,92	89	46	43	7,5	1		4	11,5	,5		5,5	13,5	16,5	8,5			4,27	
1848	61,52	72,84	94	40	54	4,5	1		1	13,5	,5	,5	9	19,5	10,5	7			5,49	
1849	63,66	72,76	94	48	46	17,5			,5	,5	9,5	,5	1,5	18	12	8			1,57	
Mean.	65,92	69,23				6,41	,56	,47	4,15	10,26	1,21	1,56	5,38	17,18	12,82				3,68	
Total.						109	9,5	8	70,5	174,5	20,5	26,5	91,5	291	219				58,83	

JULY.																				
1827	74,40	71,53	93	60	33	5,5		,5	,5	13,5		4	7	26	5	5			3,67	
1828	73,24	73,74	94	57	37	3,5		,5	2,5	18,5	1	4	1	10,5	20,5	17			3,21	
1829	66,18	72,98	89	55	34	6,5		3,5	1	11		5,5	3,5	19	12	9			4,56	
1831	73,80	77,04	90	48	42	6,5			2	10,5	1		1	21	10	5			3,78	
1832	68,99	63,41	90	51	39	3	1,5		11,5	1,5	2	5	6,5	20	11	5			6,34	
1833	72,21	75,12	97	54	43	9,5	,5		6	10			5	24	7	3			5,00	
1834	73,46	75,38	98	52	46	6	1,5		5	12		5	11,5	22,5	8,5	2,5			3,20	
1835	68,34	69,78	84	49	35	6,6	1,5	,5	1,5	9,5	6,5	2,5	2,5	13,5	17,5	7,5			4,09	
1841	70,57	73,35	94	54	40	6,5	2,5	1,5	2	11,5	1	,5	5,5	20,5	10,5	7				
1842	72,04	72,96	92	53	39	7	1	1,5	9	7,5	,5	,5	4	18,5	12,5	3,5			4,07	
1843	68,17	65,30	95	51	44	4,5	,5		5,5	6,5	1	3	10	17	14	9			2,81	
1844	68,64	67,75	87	50	37	3	1	,5	7	13			6,5	14	17	8,5			5,89	
1845	72,02	71,03	98	49	49	5,5			9	7,5	,5	1,5	7	17,5	13,5	3,5			3,12	
1846	72,88	69,53	95	51	44	10,5	1,5		3,5	11,5		,5	3,5	15,5	15,5	7			3,74	
1847	76,26	72,08	96	50	46	8,5	2		1,5	14,5	2	,5	2	18	13	3,5			2,38	
1848	67,65	73,60	92	54	38	7,5	2	,5	3	12,5	1	1	3,5	15	16	7			1,50	
1849	72,10	74,28	99	52	47	11,5		1		12	1,5	2,5	2,5	22	9	4			1,23	
Mean.	71,23	71,69				6,58	,91	,59	4,15	10,75	1,06	2,12	4,84	18,50	12,50				3,66	
Total.						111,5	15,5	10	70,5	183	18	36	82,5	314,5	212,5				58,59	

AUGUST.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	74,25	68,85	93	58	35	5	1,5	3	1	10		1,5	9	25	6	4			4,20
1828	75,95	77,20	93	63	30	9			,5	11	,5	10		21,5	9,5	5			,85
1829	71,22	71,23	93	55	38	12	,5			15	1,5		2	20,5	10,5	4			1,41
1831	72,91	75,49	92	52	40	11,5	,5		,5	16	1	,5	1	19,5	11,5	5			5,61
1832	70,49	66,77	88	48	40	1	2,5		21,5		1,5	1	3,5	23	8	3,5			3,60
1833	70,22	67,52	90	44	46	4,5			10,5	6		3	7	21,5	9,5	3			4,12
1834	77,26	65,62	98	50	48	5	2,5		7	7,5		4	5	23,5	7,5	1,5			,95
1835	66,18	64,78	84	46	38	6	1	2	1	13,5	1,5	4	2	14,5	16,5	5			3,56
1841	72,75	70,58	88	52	36	7	3,5	2	2	12	2	1	1,5	15,5	15,5	9			
1842	65,64	68,21	87	50	37	5,5	4,5	3,5	5,5	9,5			2,5	16	15	4,5			4,77
1843	69,34	70,04	90	50	40	9		,5	5	9,5	,5		6,5	15,5	15,5	11			6,15
1844	68,78	66,38	88	50	38	6			3	16,5			5,5	14,5	16,5	5			1,71
1845	73,28	70,49	88	54	34	9		,5	7	13			1,5	17,5	13,5	5			1,36
1846	72,55	66,87	92	52	40	3	1		15	5	1	1,5	4,5	18	13	5			1,49
1847	71,86	69,22	88	53	35	3	3	,5	9,5	7,5	2	,5	5	17	14	4			2,88
1848	76,61	66,65	94	52	42	7,5	3,5	,5	4	9,5	1,5		4,5	20,5	10,5	4			2,40
1849	62,69	72,93	88	59	29	8	1,5	3	2	11	1,5	1	3	16	15	11			2,62
Mean.	71,29	69,34				6,59	1,50	,91	5,59	10,15	,85	1,65	3,76	18,79	12,21				2,98
Total.						112	25,5	15,5	9,5	172,5	14,5	28	64	319,5	207,5				47,68

SEPTEMBER.

1827	68,43	60,38	84	50	34	5	4,5	2,5		7		,5	10,5	16,5	13,5	4			4,75
1828	65,68	63,90	89	49	40	10	,5			15	1	3,5		11	19	14			7,89
1829	64,85	56,45	91	43	48	13,5		,5		10	,5	3	2,5	13,5	16,5	8			,66
1831	68,60	60,45	86	48	38	13,5	2		2	8,5	3	,5	,5	16,5	13,5	4,5			4,30
1832	61,31	64,99	80	40	40		4		10	6,5	4		5,5	21	9	3,5			4,30
1833	61,93	62,79	84	40	44	8,5		1	6,5	7		2	5	20,5	9,5	2,5			2,75
1834	65,02	58,93	90	30	60	1	3		12	7,5		3	3,5	19,5	10,5	3,5			,95
1835	59,83	51,32	82	30	52	9,5	,5	,5	1,5	10	2,5	3	2,5	17	13	3			1,88
1841	65,22	63,45	84	50	34	15	3	1	2	8	,5		,5	13,5	16,5	7,5			
1842	63,43	51,41	88	31	57	5	1,5	2	7	2,5	1,5	2,5	8	15,5	14,5	6			3,59
1843	62,48	61,27	92	33	59	4,5		,5	6	6	2,5	2,5		17,5	12,5	5			1,57
1844	66,17	57,04	87	30	57	9,5	,5	,5	4	9			6,5	20	10	2			1,52
1845	61,83	58,22	78	40	38	9,5	,5	,5	10,5	5	,5	1,5	2	12,5	17,5	5,5			2,37
1846	73,36	57,25	89	42	47	7,5	,5		8,5	10,5			3	19,5	10,5	2,5			,73
1847	63,37	56,30	85	39	46	1	4,5	1	9	1,5		,5	12,5	11	19	5,5			4,33
1848	63,40	51,44	85	31	54	10	1		,5	8	2		8,5	17,5	12,5	9			2,08
1849	66,08	59,02	80	44	36	11	,5	,5	,5	13		1	3,5	19,5	10,5	,5			,08
Mean.	64,76	58,51				7,88	1,56	,62	4,71	7,94	1,06	1,38	4,85	16,59	13,41				2,73
Total.						1,34	26,5	10,5	80	135	18	23,5	82,5	282	228				43,75

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	64,43	56,22	72	44	28	5,5	12,5	3,5	1	,5		1,5	6,5	17	14	6			4,30
1828	56,56	50,07	71	31	40	15,5	,5			12,5	1		1,5	13	18	9			1,25
1829	35,18	49,00	70	27	43	11,5	1	2,5	1	12,5		2,5		20	11	7			2,76
1831	56,62	56,80	78	32	46	11,5	2	1	2	12		,5	2	18,5	12,5	6			6,09
1832	52,12	45,62	66	28	38	3,5	1,5	,5	14	,5	1	,5	9,5	20,5	10,5	3			4,15
1833	54,32	44,57	72	22	50	3,5	5		3,5	11	2	3	3	19	12	6			8,40
1834	53,32	42,02	80	26	54	2	4		7,5	6		4,5	7	20	11	4,5	,5		2,35
1835	47,17	54,54	68	30	38	10,5	,5	,5	1	12,5	3	1,5	1,5	14,5	16,5	4,5			1,65
1841	48,23	43,90	64	30	34	13	2		2,5	8,5		2	3	15	16	6			
1842	51,46	45,08	71	29	42	2,5	1,5		6,5	4,5	2		14	18,5	12,5	3			2,85
1843	50,91	40,99	71	25	46	10	1		5,5	7,5	1,5	,5	5	15	16	3	1	2	5,91
1844	49,35	45,71	70	32	38	7,5			3,5	8,5	,5	1,5	9,5	11	20	5,5	,5		3,41
1845	58,94	45,42	71	20	51	4		,5	10,5	9	2	,5	4,5	17	14	5			1,73
1846	56,39	42,54	78	20	58	6,5	1		7,5	8,5	1	,5	6	15,5	15,5	2	,5		2,00
1847	48,59	42,41	66	18	48	1	2,5		10,5	5	3,5	,5	8	20,5	10,5	2,5			3,72
1848	48,42	45,81	72	31	41	8	3	1,5		10	,5	,5	7,5	15	16	9			4,74
1849	46,26	48,87	64	32	32	9	1	,5	1	10,5	,5	1	7,5	13,5	17,5	13			8,36
Mean.	51,60	47,03				7,35	2,29	,62	4,56	8,21	1,09	1,24	5,64	16,65	14,35				3,98
Total.						125	39	10,5	77,	139,5	18,5	21	96	283,5	243,5				63,67
NOVEMBER.																			
1827	39,84	29,33	59	18	41	5,5	4	,5	1	7	1	1,5	10	12,5	17,5	3	1	1	3,58
1828	49,55	37,68	67	21	46	11,5	1	1,5	,5	11,5	,5	1,5	2	5,5	24,5	13	1	4	5,72
1829	39,77	36,73	59	21	38	12	1,5	3	1	7,5	2	1,5	1,5	9,5	20,5	9	3	1	2,49
1831	44,05	37,09	60	22	38	20	4	3,5	,5	1			1	10,5	19,5	2		1,5	2,25
1832	43,67	40,38	58	25	33	2,5	,5	2	10	1,5		2,5	11	21	9	3,5			3,40
1833	41,72	33,17	66	19	47	7	1		13,5			4	4,5	20	10	1	2		1,40
1834	39,54	34,10	61	18	43	5,5	2,5		5	5	1	4,5	6,5	14	16	2,5	1		1,16
1835	42,67	29,70	68	30	38	10	1	,5	1,5	12	2	2	1	14,5	15,5	4,5			1,65
1841	41,75	34,22	66	16	50	8,5	1		1	4	,5	3,5	11,5	7,5	22,5	5			
1842	39,31	28,22	47	12	35	2,5	1,5		1,5	7,5	1,5	3	12,5	15	15	2,5	1		2,48
1843	31,97	37,24	62	16	46	1	,5	,5	7,5	3	1,5	3	13	14	16	4	4	1	1,94
1844	42,39	30,93	56	13	43	2			4	10,5		2,5	11	11	19	3	,5		,86
1845	44,43	37,37	67	12	55	7	1		8,5	6	1		6,5	10	20	6	,5		3,69
1846	47,83	35,91	61	7	54	12	2	,5	2,5	6,5			6,5	5,5	24,5	4	1		2,98
1847	45,56	37,98	66	13	53	3,5	,5		7	7	2,5		9,5	11	19	3			,98
1848	34,97	35,85	50	12	38	7	3			11	3		6	15,5	14,5	3	3		2,78
1849	46,79	42,22	58	24	34	10	2	1,5	1	7,5	3,5	,5	4	13,5	16,5	9	1		4,15
Mean.	42,11	35,18				7,48	1,59	,79	3,88	6,38	1,18	1,76	6,94	12,38	17,62				2,59
Total.						127,5	27	13,5	66	108,5	20	30	118	210,5	299,5				41,51

OBSERVATIONS AT HUDSON ACADEMY.

193

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	34,16	24,12	48	—	2 50	,5	3,5	,5	1,5	4,5	5	5,5	10	14	17	5	3		2,90
1828	42,10	32,45	55		9 46	7,5	,5		2	15	1,5	4	,5	17	14	5	2		,37
1829	36,37	36,99	67		13 54	14	2,5			10	2,5	1,5	,5	17	14	5	2		3,82
1831	17,04	19,05	35		0 35	14	7	4,5	1	3		,5	1	19	12	,5	4		2,27
1832	33,17	26,57	46		6 40	9	1,5		6	6		3,5	5	16	15	5	2		4,40
1833	30,82	28,45	64		12 52	10,5	8,5	1	4	2		5		14,5	16,5	1	1,5		3,10
1834	30,94	19,95	48		7 55	5	6,5	,5	3	3,5		6	6,5	10,5	20,5	2	3,5		4,18
1835	17,16	21,41	40		16 56	11			3,5	10	2	3	1,5	12,5	18,5	1,5	2		1,19
1841	38,31	25,11	51		2 49	5	2		1	6	5	4,5	7,5	6,5	24,5	4	3,5		
1842	26,66	23,26	44		1 45	3,5	1,5	1	2,5	4,5	2,5	,5	15	7	24	2	2,5	2	4,47
1843	25,72	31,83	49		1 48	1,5	1,5	,5	6,5	8	1	1	11	6	25	2	6		,62
1844	29,06	27,33	52		2 50	6	,5		5,5	7			12	10,5	20,5	2,5	1	,5	3,07
1845	19,08	21,09	36		10 46	4,5	,5	,5	5	5,5	3	1	11	13,5	17,5	2,5	4		2,89
1846	25,87	24,81	48		5 43	8	1	,5	4,5	8		1	8	11	20	3,5	4,5		2,34
1847	38,49	24,06	58		2 56	2,5	1		9	6,5	2,5	,5	9	13,5	17,5	5,5	1		4,76
1848	37,08	27,77	54		3 51	8,5	2,5		4	7	2		7	9,5	21,5	9	5		3,88
1849	28,34	26,74	44		4 40	9,5		,5		9	2,5	2,5	7	10	21	4	4	3	1,01
Mean.	30,02	25,94				7,09	2,38	,56	3,47	6,79	1,74	2,35	6,62	12,23	18,77				2,89
Total.						120,5	40,5	9,5	59	115,5	29,5	40	112,5	208	319				46,17

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.		WEATHER. MEAN RESULTS.							Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	
	First Half.	Seco'd Half.																					
January, -	25.67	24.94	62	—24	86	6.97	1.56	1.06	4.27	6.62	1.06	1.83	7.63	N 42° 16' W	14	4.15	16.09	14.91				2.68	42.83
February, -	22.56	27.45	64	—10	74	7.36	2.36	.94	4.29	5.29	.50	1.27	6.23	N 4° 34' W	16	4.77	14.88	13.32				2.12	37.18
March, - -	31.99	37.87	73	—2	75	6.65	1.76	.71	5.74	6.09	1.12	1.53	7.35	N 34° 49' W	9	2.68	16.79	14.21				2.17	44.35
April, - - -	45.87	49.06	86	12	74	6.68	2.93	.74	5.44	6.15	1.41	1.29	6.06	N 7° 35' E	7	2.28	15.94	14.16				2.54	40.67
May, - - - -	55.81	62.00	94	28	66	6.41	1.24	.76	5.58	8.32	.79	1.69	5.91	N 29° 53' W	8	2.55	15.38	15.62				3.13	50.01
June, - - - -	65.92	69.23	99	38	66	6.41	.56	.47	4.15	10.26	1.21	1.56	5.85	N 35° 07' W	14	4.11	17.18	12.82				8.65	58.53
July, - - - -	71.23	71.69	99	48	51	6.58	.91	.59	4.15	10.76	1.06	2.12	4.85	N 29° 16' W	14	4.36	18.50	12.50				3.66	58.79
August, - - -	71.29	69.84	93	44	54	6.59	1.51	.91	5.59	10.15	.85	1.65	3.76	N 13° 14' E	15	4.51	18.79	12.21				2.98	47.68
September, -	64.76	58.51	92	30	62	7.88	1.56	.62	4.71	7.94	1.06	1.38	4.85	N 52° 36' W	2	.61	16.59	13.41				2.73	43.75
October, - -	51.66	47.03	80	18	62	7.35	2.29	.62	4.56	8.21	1.09	1.24	5.64	N 53° 52' W	3	.91	16.65	14.35				8.98	63.67
November, -	42.11	35.18	68	7	61	7.50	1.59	.79	3.87	6.88	1.18	1.76	6.94	N 38° 30' W	15	4.40	12.88	17.62				2.59	41.51
December, -	30.02	25.94	67	—16	83	7.09	2.38	.56	3.47	6.79	1.74	2.35	6.62	N 56° 53' W	18	5.30	12.28	18.77				2.81	46.17
Mean, - - - -	48.65	48.19	99	—24	123	6.95	1.66	.78	4.68	7.75	1.09	1.64	5.94	N 52° 59' W	14	4.37	15.95	14.49				2.99	47.95

Highest degree, June 11, 1823, and July 13, 1849, - - - 99°
 Lowest degree, January 4, 1835, - - - - - —24°
 Extreme range in 17 years, - - - - - 123°
 Greatest monthly range in January.
 Least monthly range in July.

Mean monthly range, 67½°.
 Driest month, February.
 Wettest month, October.
 Total fall of rain and snow in 16 years, 47 feet 11,44 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First full of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1827	18.20	27.00	35.77	50.79	58.13	63.93	72.96	71.55	62.90	60.32	34.58	29.14	41.19	93	-17	110	66	January 21,	August 1,	October 20,	
1828	39.20	35.34	39.51	45.33	61.56	72.87	73.46	76.57	64.79	53.81	43.61	37.27	52.84	99	-2	97	59	January 22,	June 25,	October 12,	
1829	23.55	19.56	32.08	43.56	65.38	71.67	69.58	71.22	60.65	51.09	38.25	36.68	49.05	93	-7	100	55	February 5,	August 8,	September 10,	November 14.
1831	22.42	24.66	44.49	51.66	67.32	75.06	75.42	74.20	64.52	56.71	40.57	18.04	51.25	94	-10	104	66	January 21,	May 20,	October 7,	November 22.
1832	26.81	27.51	38.60	47.34	56.42	66.15	66.20	68.63	63.15	48.57	42.02	29.87	49.25	90	0	90	58	January 26,	July 2,	October 15,	November 22.
1833	29.42	21.90	31.89	53.17	61.65	64.69	73.66	68.57	62.36	49.44	87.44	29.63	48.63	97	-6	103	67	February 1,	July 1,	October 5,	October 20.
1834	22.20	34.38	38.81	47.95	53.03	61.39	74.42	71.44	61.97	47.67	36.52	25.44	47.91	98	-7	105	61	December 14,	July 22,	October 15,	October 31.
1835	21.25	20.99	32.34	41.10	57.45	66.08	69.06	65.40	55.57	50.85	36.18	19.28	44.62	84	-24	105	74	December 16,	July 14,	September 15,	November 23.
1841	28.78	37.72	33.09	44.56	57.40	70.60	71.98	71.63	64.32	45.99	37.99	31.50	49.65	94	-10	104	60	January 5,	June 30,	October 19,	December 14.
1842	29.49	34.17	40.39	49.34	58.19	66.25	72.48	68.96	57.41	48.17	34.10	24.61	48.50	92	-1	93	54	December 24,	July 30,	September 26,	November 24.
1843	29.57	17.51	24.00	47.49	56.69	65.46	66.69	69.71	61.88	45.79	34.71	28.88	45.69	95	-7	102	57	February 17,	July 2,	September 28,	November 7.
1844	21.31	24.67	33.33	43.53	53.16	63.15	67.54	61.64	47.47	36.66	28.17	17.13	48.00	92	-12	104	73	January 28,	June 27,	September 23,	October 31.
1845	25.48	26.81	37.68	46.39	56.05	67.65	71.51	71.84	69.18	51.92	40.90	20.12	48.00	93	-10	103	70	December 12,	July 13,	October 16,	November 30.
1846	23.95	19.72	35.47	50.61	59.76	65.83	71.15	69.62	63.30	49.24	41.58	25.19	48.09	95	-5	100	55	February 26,	July 10,	October 19,	October 31.
1847	24.41	29.50	34.11	40.31	58.59	63.63	74.11	70.50	59.83	45.41	41.77	31.05	46.90	96	-3	99	67	February 24,	July 19,	October 14,	December 3.
1848	28.09	24.23	32.13	45.83	60.45	66.65	70.42	71.63	57.42	47.11	35.41	32.42	47.63	94	-13	107	65	January 11,	August 16,	September 23,	November 9.
1849	20.15	19.12	35.24	43.00	54.59	65.21	73.23	67.97	62.55	47.60	44.50	27.55	46.97	99	-11	110	64	January 11,	July 13,	October 9,	November 28.
Mean.	25.02	25.74	34.89	47.46	58.87	67.55	71.45	70.31	61.56	49.82	38.67	27.93	47.54								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]							RESULTANT OF WINDS.			WEATHER [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Percent.	Days.	Clear.	Cloudy.	Rain.	Snow.
1827	60.5	31	24.5	22	86	18.5	30	97	N 36° 16' W	18	67.26	231	134	48	12
1828	77.5	13.5	11.5	16.5	150.5	23.5	36	37	S 35° 05' W	22	80.04	179.5	186.5	131	11
1829	170.5	6	16	8	109.5	12.5	26	16.5	N 18° 16' W	18	65.76	179	186	79	21
1831	141	30.5	14.5	19.5	125.5	10	3.5	20.5	N 38° 53' E	7	24.88	208	157	46	9
1832	74.5	29	8.5	104	62	14.5	18	55.5	S 71° 23' E	10	36.77	225.5	140.5	44	9
1833	66	19.5	6	117	54	7	44	51.5	S 37° 21' E	8	28.27	249.5	115.5	27	9
1834	60.5	28	2.5	90.5	79	1	33.5	70	S 10° 31' E	4	14.23	225	140	35	10
1835	81	19.5	8	29.5	106	23	46.5	51.5	S 78° 06' W	15	67.77	182	183	48.5	10
1841	104.5	28	8	20.5	111	12.5	16.5	64	N 38° 50' W	9	29.81	167.5	197.5	69	13
1842	43	25	16.5	89	56.5	14	18.5	102.5	N 44° 33' W	1	5.30	184	181	47.5	10.5
1843	61	10	5	74.5	68	14	17.5	114.5	N 65° 13' W	12	41.00	167.5	197.5	66	32
1844	65.5	8	2.5	82	83	3.5	11	110.5	N 77° 07' W	7	26.13	168.5	197.5	46	12.5
1845	71	7	3	90.5	87.5	10.5	8	87.5	N 14° 14' W	6	21.76	176	189	46.5	10.5
1846	84.5	11.5	3	79.5	93.5	6.5	7	79.5	S 3° 49' W	2	6.91	169	196	43.5	12.5
1847	69	22.5	3	65.5	99	15.5	6	81.5	S 24° 54' W	5	17.20	175.5	189.5	45	10
1848	67.5	38	4.5	37	97	23.5	2.5	96	N 40° 54' W	8	29.73	179	187	75	20
1849	120	12.5	11.5	16.5	112	17	10	66.5	N 42° 43' W	15	55.64	186	179	84	16
Mean.	83.41	19.94	8.73	56.71	92.94	18.06	19.68	70.71	N 67° 37' W	5	17.25	181.32	173.91		
Total.	1417.5	339.5	148.5	964	1580	222	334.5	1202				3252.5	2956.5		

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1827	2.47	2.26	1.28	4.55	3.31	2.60	3.67	4.20	4.75	4.30	3.53	2.90	39.87	March.	September.
1828	3.40	3.30	2.90	2.24	3.25	7.87	3.21	7.85	7.82	1.25	5.72	1.37	43.25	December.	September.
1829	3.73	3.30	2.10	3.82	1.69	3.15	4.56	1.41	2.76	2.49	3.82	3.47	33.47	September.	May.
1831	4.50	3.50	1.55	4.25	2.95	3.60	3.75	5.61	4.30	6.09	2.25	2.27	41.65	March.	October.
1832	4.10	3.27	4.15	4.30	1.29	2.36	6.34	3.60	4.30	4.15	3.40	4.40	45.57	May.	July.
1833	2.95	2.00	2.80	1.90	5.90	3.20	5.00	4.12	2.75	8.40	1.40	3.10	42.52	April.	October.
1834	1.45	1.40	1.04	5.85	4.86	4.10	3.20	1.95	2.35	1.16	4.18	30.49	February.	April.	
1835	4.60	2.65	2.45	4.50	2.29	5.79	4.09	3.56	1.88	1.65	1.65	1.19	31.30	February.	June.
1842	1.92	2.85	1.81	2.65	1.62	3.45	4.07	4.77	3.59	2.85	2.43	4.37	35.51	January.	August.
1843	2.17	4.80	5.32	2.31	1.51	4.58	2.84	6.15	1.57	5.91	1.94	1.62	39.79	December.	August.
1844	2.60	1.02	2.94	1.81	3.82	3.33	5.89	1.71	1.52	3.41	1.86	3.97	32.48	April.	July.
1845	3.90	1.30	2.32	1.54	2.10	1.46	3.12	1.36	2.37	1.73	3.69	2.89	26.88	February.	November.
1846	1.95	2.62	4.04	1.45	3.77	1.41	3.74	1.49	1.73	2.00	2.98	2.34	25.72	April.	March.
1847	3.77	3.67	4.53	1.92	1.93	4.27	2.38	2.88	4.33	3.72	1.98	4.76	38.19	April.	December.
1848	1.59	1.48	1.76	1.42	5.02	5.49	1.59	2.40	2.08	4.74	2.78	3.88	33.14	April.	June.
1849	1.73	1.62	3.25	1.18	4.74	1.57	1.23	2.62	1.08	8.36	4.15	1.01	29.54	September.	October.
Mean.	2.68	2.33	2.77	2.54	3.13	3.63	3.66	2.93	2.73	3.98	2.59	2.89	35.96		
Total.	42.33	37.28	44.35	40.67	50.01	58.88	58.59	47.68	43.75	63.67	41.51	46.17	575.37		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1827	27	20	27	11	26	3	11	16	27	1	30	1	2	27	5	15	3	30	5	31	3	19	14	22
1828	5	23	7	12	28	5	30	7	17	7	25	6	11	14	25	2	1	9	1	15	4	18	4	31
1829	8	3	7	5	31	17	29	10	29	10	6	30	21	2	8	26	1	28	15	21	23	13	7	17
1831	4	21	16	5	23	8	15	9	30	9	11	23	4	16	22	28	11	30	3	28	10	30	24	22
1832	19	26	12	24	26	18	26	5	13	24	16	5	2	11	14	19	19	10	10	26	29	14	8	29
1833	5	19	19	1	31	2	29	13	18	3	23	9	1	15	13	29	5	13	16	31	9	28	9	13
1834	19	24	22	7	19	22	16	27	24	15	9	3	26	10	12	28	4	29	2	14	10	15	1	14
1835	27	4	22	4	16	3	10	18	29	14	12	21	14	1	12	4	6	30	19	25	4	30	26	16
1841	7	5	28	12	25	17	26	12	24	3	30	3	25	17	8	25	3	30	31	25	2	30	4	22
1842	19	24	4	15	4	12	23	29	19	21	17	7	30	25	18	1	12	26	9	27	7	30	3	24
1843	8	4	11	17	28	7	22	4	15	5	27	2	2	4	27	1	4	28	2	24	24	15	20	13
1844	24	23	20	1	25	5	14	1	25	24	27	11	6	8	17	22	20	28	10	24	7	28	7	29
1845	1	19	22	1	30	17	24	8	12	8	8	30	13	1	8	30	3	13	11	22	1	29	14	12
1846	2	18	5	26	25	1	21	3	25	12	19	7	10	16	6	19	7	29	8	23	3	26	3	24
1847	1	31	3	24	19	16	22	1	29	1	25	15	19	27	17	20	3	16	6	27	9	30	10	27
1848	1	11	23	12	31	15	10	14	19	1	17	1	20	4	16	28	5	27	17	12	25	11	8	24
1849	26	11	26	19	31	4	4	15	21	3	22	11	13	3	4	31	6	19	29	9	4	2	1	26

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1827	40	-17	44	-9	72	6	79	33	93	41	90	48	93	80	93	58	84	50	72	44	59	18	48	-2
1828	51	2	60	-10	71	12	61	31	79	43	99	59	94	57	93	63	89	49	71	31	67	21	55	9
1829	51	-5	38	-7	49	16	75	35	89	41	87	58	89	55	93	55	91	43	70	27	59	21	67	13
1831	56	-10	44	2	64	22	70	30	94	40	93	54	90	48	92	52	86	48	78	32	60	22	35	0
1832	52	0	48	2	64	6	80	30	88	40	89	48	90	51	88	48	80	40	66	28	58	25	46	6
1833	62	-5	43	-6	62	0	85	29	89	35	88	45	97	54	90	44	84	40	72	22	66	19	64	12
1834	44	-1	59	0	67	13	87	30	89	28	88	42	98	52	98	50	90	30	80	26	61	18	48	-7
1835	50	-24	48	-6	55	4	67	20	80	34	81	47	84	49	84	46	82	30	68	30	68	30	40	-16
1841	50	-10	48	-2	60	8	72	22	82	30	94	54	94	54	88	52	84	50	64	30	66	16	50	2
1842	49	0	59	10	70	16	75	32	80	38	85	40	92	53	87	50	88	31	71	29	47	12	44	-1
1843	52	-5	39	-7	42	3	71	20	84	36	90	33	95	51	90	50	92	33	71	25	62	16	49	1
1844	43	-12	47	-6	57	10	86	13	87	32	92	47	87	50	88	50	87	30	70	32	56	13	52	2
1845	43	0	64	-6	73	20	70	27	90	34	91	47	98	49	88	54	78	40	71	20	67	12	36	-10
1846	49	-4	42	-5	56	-2	80	26	84	37	85	50	95	51	92	52	89	42	78	20	61	7	48	5
1847	48	1	46	-3	47	14	79	12	85	39	89	46	96	50	88	53	85	39	66	18	66	13	58	2
1848	55	13	44	-4	60	3	70	26	88	40	94	40	92	54	91	52	85	31	72	31	50	12	54	3
1849	53	-11	45	-10	56	14	67	20	84	34	94	48	99	52	88	59	80	44	64	32	58	24	44	4
Highest.	62		64		73		87		94		99		99		98		92		80		68		67	
Lowest.		-24		-10		-2		12		28		33		48		44		30		18		7		-16
Range.		86		74		75		75		66		66		51		54		62		62		61		83

SUMMARY OF OBSERVATIONS AT ITHACA ACADEMY,

ITHACA, TOMPKINS COUNTY, N. Y., DURING 17 YEARS.

Mean temperature, 17 years; mean temperature of half months, winds and aspect of sky, 16 years; rain gage, 13 years.

Latitude N. 42° 27'; Longitude W. 76° 30'. Elevation above tide 417 feet. In a valley at the head of Cayuga lake, about 30 feet above the surface of the water.

OBSERVERS.

1827, (temperature only,) SAMUEL PHINNEY, Principal.
1828, J. L. HENDRICKS, Principal.
1833, 1835, WILLIAM A. IRVING, Principal.
1836, WILLIAM A. IRVING and JAMES F. COGSWELL, Principals.
1837, '8, JAMES F. COGSWELL, Principal.
1839, WILLIAM S. BURT, Principal.

1840, '2, not stated.
1843, LATHROP WETHERELL, Prof., and ALFRED STEBBINS, Teacher.
1844, '5, LATHROP WETHERELL, Professor.
1846, not stated.
1847, '8, LATHROP WETHERELL, Professor of Mathematics and Natural Science.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	39,43	27,93	59	8,51		1,5	2,5	1,5	4,5	9	1	2,5	8,5	5	26	4	2		1,22
1830	31,84	18,95	49	— 1,50		3		3,5	1	10,5	4	6	6	10	21		2,5		,60
1833	40,74	26,97	71	0,71		6,5		2,5	1,5	12,5	2	2,5	3,5	15	16	2	2,5		2,30
1835	16,41	37,35	50	— 12,62		10,5			2	18,5				14	17	2			
1836	31,32	18,98	48	— 18,66		6,5	,5		3	15,5	,5		5	5,5	25,5	1	4	1	
1837	18,34	22,85	42	— 2,44		3,5	2	2,5	1,5	5,5	1	4	11	6	25		1,5		,47
1838	35,14	27,28	61	— 4,65			1		1,5	9,5	4,5	5	9,5	11,5	19,5		,5	,5	1,24
1839	30,14	18,22	52	— 10,62		1,5	1	,5	7	6	1	,5	13,5	9,5	21,5		3	,5	3,76
1840	19,63	21,87	46	— 14,60			1		,5	5	4	3	17,5	16,5	14,5	1	3		
1842	28,92	44,00	54	2,52					11	8,5	,5		10,5	14,5	16,5	4	4	1	2,97
1843	32,24	34,53	66	8,58			,5		2	10,5	1		17,5	8,5	22,5	7	2	3	2,37
1844	27,26	24,37	41	— 1,42		4	,5	1	,5	1	2	4	18	2,5	28,5	4	14	1	1,86
1845	31,22	29,43	48	9,39		1,5	1			3	5	3	17,5	13	18	5	10	1	2,13
1846	31,85	23,57	50	— 7,57		,5	,5		2		6	6	16	9	22	2	8	1	1,87
1847	29,91	24,55	57	2,55			,5		,5	,5	3	11	15,5	14	17	6	9	3	1,97
1848	28,69	33,81	55	— 4,59					,5	3,5	9	2,5	15,5	13,5	17,5	5	5		,89
Mean.	29,53	27,17				2,44	,69	,53	2,44	7,44	2,78	3,12	11,56	10,50	20,50				1,82
Total.						39	11	8,5	39	119	44,5	50	18,5	168	328				23,65

FEBRUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	35,18	35,96	58	10 48		2	,5		1,5	4,5	1,5	7,5	11,5.	11	18	3	2	1	1,05
1830	21,99	37,51	60	4 56		3	2,5	1	4,5	4,5		2,5	10	13,5	14,5		1,5		,47
1833	21,66	25,15	48	— 3 51		14,5	,5	,5	3,5	8,5			,5	10,5	17,5		2,5	,5	2,86
1835	13,86	28,71	58	— 8 66		10,5			,5	13,5	,5	1	3	9,5	18,5	1	7		
1836	15,33	20,86	50	— 12 62		13,5	,5		2	11		,5	1,5	11	18	1	5		
1837	23,44	26,34	50	— 3 53		1,5	1,5	,5	7	4	1,5	3,5	8,5	14	14		2	,5	1,57
1838	18,76	12,65	48	— 5 53			2		3	1	2,5	3	16,5	8,5	19,5		2,5		,93
1839	18,70	34,23	48	— 12 60		1	2,5	4,5	10	1,5	1	3,5	4	11,5	16,5	,5	1		1,36
1840	28,73	38,33	59	— 4 63					3,5	10		2		13,5	15,5	6	1		
1842	37,12	30,67	56	10 46					1,5	14			12,5	6,5	21,5	9	3	1	3,16
1843	21,84	20,22	40	— 6 46		1			1	7		3	16	6,5	21,5		7	1	1,31
1844	26,75	31,90	52	3 49		4	1				6,5	3	14,5	9,5	19,5	2	11		,45
1845	19,45	40,50	50	1 49		3,5	,5	,5		4	6,5	3,5	9,5	11,5	16,5	5	6		2,65
1846	27,06	19,39	45	0 45		3			1	1	2,5	2,5	18	11	17		8		2,54
1847	30,50	26,52	52	— 7 59					1	1	3,5	6,5	16	5	23	2	9	2	2,41
1848	25,64	32,13	48	2 46						,5	3	3	22,5	16,5	12,5	2	6	1	,54
Mean.	24,13	28,82				3,59	,72	,44	2,50	5,37	1,94	2,69	11,06	10,59	17,72				1,64
Total.						57,5	11,5	7	40	86	31	43	177	169,5	283,5				21,30
MARCH.																			
1828	36,13	49,95	62	13 49		11,5		2,5	2	10,5	,5	3	1	15,5	15,5	3	2		,38
1830	33,82	41,91	68	8 60		6,5		2	4	10		2	6,5	13,5	17,5	1,5	2,5		2,82
1833	23,89	38,72	65	— 4 69		8,5		,5	2	19,5		,5		17	14	,5	1		1,25
1835	27,95	37,05	62	— 2 64		15,5	,5		3	9,5			2,5	19,5	11,5	3	2	,5	
1836	21,87	32,14	63	— 3 66		12,5	,5		2,5	13,5		,5	1,5	16	15	1,5	1	,5	
1837	25,73	34,92	62	— 10 72		2	4	4	8,5	1	1,5		10	15,5	15,5	1,5	1	1	2,19
1838	32,10	38,44	68	— 8 76		1,5	3,5	1	11	4,5		,5	9	14,5	16,5	2	,5	,5	1,66
1839	26,36	35,66	66	— 4 70				1	5	1	5,5	2	16,5	15,5	15,5	,5		,5	2,08
1840	36,55	36,49	65	8 57		1	1,5		5	6,5	1,5		15,5	19	12	5	1		
1842	39,42	41,53	68	16 52		,5			9,5	6		,5	14,5	11,5	19,5	10	5	4	3,79
1843	23,74	27,30	52	— 3 55					1,5	2,5	3	2,5	21,5	11	20	1	5	3	2,11
1844	37,57	34,47	59	13 46		1			3	2,5	3,5	2	19	13	18	6	4	2	2,47
1845	38,00	41,69	74	18 56		1,5			1	4	7,5	2	15	13,5	17,5	6	7	3	2,91
1846	35,42	40,92	59	— 6 65					1	1	6	7,5	16,5	13,5	17,5	7	2		2,51
1847	30,33	33,04	56	17 39			,5		1		8,5	6	15	15,5	15,5	3	6	3	1,94
1848	28,66	42,05	76	7 69		1				3,5	5	3	18,5	13,5	17,5	5	11		1,80
Mean.	31,09	37,89				3,94	,65	,69	3,69	5,97	2,66	2,00	11,40	14,84	16,16				2,15
Total.						63	10,5	11	59	95,5	42,5	32	182,5	237,5	258,5				27,91

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	41,46	47,10	59	28	31	10	4	,5		6	1,5	2	6	11	19	4	1		1,20
1830	48,73	57,05	86	31	55	3	6	5,5	5,5	5	,5	,5	4	18,5	11,5	3			2,06
1833	45,32	55,96	98	28	70	4,5	2,5	,5	2,5	16,5	1,5	,5	1,5	20	10	2			1,78
1835	41,81	40,95	78	22	56	12			2,5	12,5			3	15,5	14,5	11	2,5		
1836	36,31	49,19	83	16	67	8,5	,5		3	13	,5		4,5	13	17	2	,5	1,5	
1837	38,82	40,18	77	19	58	1	3	3	1,5	1,5	2,5	2,5	15	17	13	,5			,93
1838	36,35	38,17	68	15	53	1,5	1,5	1	5,5	2	1	1	16,5	14,5	15,5	2,5			2,01
1839	45,73	45,97	80	20	60	1,5	5	,5	9,5	1,5	1	,5	10,5	17,5	12,5	1,5			1,90
1840	43,29	57,02	88	24	64				6	4,5	3,5		16	24	6	6	1		
1842	46,14	50,78	88	20	68				11	2	,5	,5	16	13	17	13			2,91
1843	41,53	50,72	75	20	55				2	8,5	1	,5	18	10,5	19,5	10	1	3	3,27
1844	55,07	54,38	78	16	62	1			,5	1	9	4,5	14	19	11	9			1,69
1845	40,96	56,89	85	22	63	1	1,5			2	6	2,5	17	14,5	15,5	9	4		3,42
1846	47,47	58,41	78	28	50	,5				1,5	13	5	10	22	8	5	2		,85
1847	45,13	44,51	83	20	63	1,5			3		5,5	7	13	19,5	10,5	7	1		,85
1848	44,94	46,59	74	29	45	1					2	5,5	21,5	21,5	8,5	9	2		1,00
Mean.	43,72	49,62				2,94	1,50	,69	3,09	5,03	3,06	2,03	11,66	16,94	13,06				1,84
Total.						47	24	11	49,5	80,5	49	32,5	186,5	271	209				23,87
MAY.																			
1828	59,59	61,37	78	32	46	2	1,5	3	2	12	3	4,5	3	16,5	14,5	4			1,30
1830	58,16	53,71	86	35	51	8,5	5	1,5	1,5	8	,5	1	5	18	13	4			5,53
1833	61,02	69,22	88	40	48	7,5	1,5	,5	1	18		1	1,5	12	19	4			,90
1835	45,75	60,37	89	32	57	20		,5	2,5	6		1	1	20	11	11		,5	
1836	56,06	59,65	88	34	54	10	1,5		2,5	9		1	7	18,5	12,5	5,5			
1837	52,88	51,64	86	20	66	2,5	4,5	1	9,5	5	2,5	1	5	14	17	5			6,20
1838	47,38	54,54	87	25	62	2,5	1,5	,5	6	4,5	6	2,5	7,5	13,5	17,5	3,5		,5	6,61
1839	50,62	55,61	81	30	51	1,5	5,5	2	4	3,5	1,5	1	12	17,5	13,5	1,5			4,07
1840	50,23	64,04	88	34	54	2,5			1	4	3	2,5	18	23,5	7,5	6			
1842	49,92	57,05	83	32	51	1,5			4,5	8	3		14	18	13	8			2,12
1843	56,96	56,15	88	40	48	1	,5		1	2,5	10	11,5	4,5	21	10	4			1,05
1844	59,04	61,54	88	31	57	1			,5	1,5	8	7	13	16,5	14,5	13			3,85
1845	60,48	53,60	89	34	35	2,5			2,5	4	4	4	18	20,5	10,5	11			2,16
1846	58,46	64,98	88	33	55	1			2	15	6	7	16	15	11				1,08
1847	57,50	64,53	88	36	52		1		3	3,5	15	5	3,5	21	10	6			2,01
1848	59,15	67,38	86	34	52	,5	,5			,5	7	12,5	10	16	15	21			4,93
Mean.	55,20	59,95				4,03	1,44	,56	2,44	5,66	4,91	3,84	8,12	17,66	13,34				3,22
Total.						64,5	23	9	39	90,5	78,5	61,5	130	282,5	213,5				41,81

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1828	67,04	71,45	96	42	54	4			2,5	17	2,5	3,5	,5	22,5	7,5	4			3,41
1830	64,07	64,24	88	44	44	1	4	3	3	2	2	1,5	13,5	14,5	15,5	9			5,08
1833	59,93	66,26	84	37	47	6,5			2	20			1,5	17,5	12,5	2			1,47
1835	68,26	63,55	95	44	51	12		1	,5	15,5	,5	,5		15	15	11			
1836	65,98	65,52	89	48	41	11	1,5	5	5,5	9,5	,5	1	,5	11,5	18,5	7			
1837	64,44	62,71	86	48	38	3	4,5	3	2	4	6	2	5,5	18	12	2,5			5,61
1838	65,74	69,73	93	41	52	,5	4,5	1	4	6	4	2,5	7,5	23	7	2,5			3,28
1839	56,77	58,76	84	40	44	1,5	7	3	6	1	2	1,5	8	14,5	15,5	5,5			4,34
1840	60,67	66,97	94	40	54				1	3,5	4	,5	21	23,5	6,5	4			
1842	59,29	68,31	86	38	48	,5			10	6	1,5		12	16	14	14			3,10
1843	59,09	71,47	91	38	52	,5			2,5			18	9	19	11	11			5,90
1844	63,93	72,13	91	48	43	1				1	12	10,5	5,5	16,5	13,5	12			1,30
1845	71,02	54,94	95	45	50		,5		1	4,5	4	7,5	12,5	20	10	14			2,07
1846	66,59	67,31	86	46	40	3,5			1,5	4	12	3	6	19	11	10			3,84
1847	63,34	69,61	92	48	44					3,5	9	7,5	10	17	13	15			2,71
1848	62,85	75,37	92	40	52	1,5					14	4,5	10	20,5	9,5	6			2,46
Mean.	63,69	66,77				2,91	1,38	,72	2,59	6,09	4,62	4,00	7,69	18,00	12,00				3,43
Total.						46,5	22	11,5	41,5	97,5	74	64	123	288	192				44,57

JULY.																			
1828	64,62	74,63	95	55	40	5,5		3,5		5,5	7	2,5	7	25	6	4			4,37
1830	67,63	79,04	96	51	45	2,5	2	2,5	2	3	3	4,5	11,5	22,5	8,5	4,5			3,52
1833	70,77	71,85	96	49	47	2,5			1,5	23,5	1,5	,5	1,5	17	14	2,5			3,70
1835	68,38	70,14	96	44	52	11			1	18			1	16,5	14,5	13			
1836	72,92	66,98	94	51	43	20	1,5			6	1	1,5	1	20	11	3,5			
1837	66,20	66,00	92	45	47	,5	5,5	1	5	1,5	3	,5	14	21,5	9,5	1,5			2,89
1838	73,15	71,09	95	48	47	2	5	3	2	5	5,5	1,5	7	23	8	2			3,76
1839	63,98	70,90	90	46	44	1	3,5	1	2,5	6	9	1,5	6,5	20,5	10,5	1,5			2,69
1840	68,73	70,87	98	43	55		,5			1,5	6,5	1	21,5	23	8	8			
1842	67,49	71,58	90	46	44				3,5	7	2,5		18	23,5	7,5	10			4,23
1843	70,84	70,55	94	52	42	1,5					7,5	13,5	8,5	21	10	7			2,80
1844	70,96	71,38	90	50	40		1			3	9,5	12	5,5	19,5	11,5	13			5,24
1845	71,91	70,14	97	49	48	1				2,5	8	9	10,5	18,5	12,5	11			2,78
1846	72,59	68,80	97	55	42	7	1,5		2,5	9	7	,5	3,5	15,5	15,5	6			2,43
1847	74,66	75,90	99	48	51	1	,5	,5	,5	1	21,5	5,5	,5	25	6	8			,86
1848	72,00	73,65	90	60	30				1,5	2	16	8	3,5	22,5	8,5	11			4,25
Mean.	69,80	71,47				3,47	1,31	,72	1,37	5,91	6,78	3,88	7,56	20,91	10,09				3,35
Total.						55,5	21	11,5	22	91,5	108,5	62	121	334,5	161,5				43,57

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	72,04	69,24	94	50	54	7		1	1	14	2	1	5	29	2	1			1,20
1830	66,86	65,46	92	44	48	7			2,5	4	1,5	5,5	10,5	16,5	14,5	5,5			1,92
1833	69,82	66,54	89	44	45	2		1	3,5	5	2	2	15,5	23	8	3,5			2,78
1835	65,95	67,37	98	40	58	11,5	,5	1,5	,5	14,5	1		1,5	19	12	10			
1836	64,15	60,84	88	37	51	11,5	,5	2,5	1,5	12	,5		2,5	17,5	13,5	1,5			
1837	67,84	62,95	92	40	52	1	,5	2	4,5	6	3	3,5	10,5	19	12	1			3,39
1838	68,90	66,76	90	44	46	1	11	1,5	4	2	3,5		8	22,5	8,5	2			2,86
1839	61,88	64,20	91	39	52	1	2,5	2,5	4,5	4	1,5		15	22	9	1			1,31
1840	66,32	71,05	92	50	42				2	7	3	,5	18,5	21,5	9,5	7			
1842	66,18	69,31	84	45	39		2,5		8,5	4,5	2		13,5	19	12	9			2,67
1843	70,69	75,34	92	56	36		1				9,5	14	6,5	17	14	11			3,80
1844	70,27	67,60	94	52	42		1		3	4,5	4	7	11,5	16,5	14,5	16			2,23
1845	70,77	71,21	91	51	40		1	1	1,5	4	5	9	9,5	20	11	11			2,30
1846	74,99	76,63	93	55	38	8			2	9	3	,5	8,5	18	13	10			3,47
1847	73,95	69,80	89	52	37					,5	15,5	10,5	4,5	20,5	10,5	11			2,58
1848	71,87	69,63	94	50	44					1,5	20	8,5	1	24	7	5			3,87
Mean.	68,90	68,37				3,12	1,28	,81	2,44	5,78	4,81	3,88	8,87	20,31	10,69				2,64
Total.						50	20,5	13	39	92,5	77	62	142	325	171				34,38
SEPTEMBER																			
1828	60,24	62,07	86	42	44	4		1	3	5	1,5	10	5,5	14,5	15,5	5			5,49
1830	62,50	55,26	84	30	54			2	3,5	9		3	12,5	16	14	6,5			3,67
1833	56,05	59,64	87	31	56	8,5	,5		1	13,5	1		5,5	17,5	12,5	3			1,60
1835	60,48	52,30	90	33	57	13			,5	16	,5			15,5	14,5	8			
1836	59,67	58,91	94	31	63	,5	1,5	4,5	4,5	7	,5	3	8,5	14,5	15,5	2			
1837	59,94	56,93	83	32	51	1	3,5	,5	8	10	1		6	19,5	10,5	1,5			1,46
1838	60,76	58,51	86	33	53	1	5	2,5	5,5	2,5	2,5	8,5	22	8		,5			2,17
1839	62,49	54,09	90	28	62	2,5			2,5	8	6	3	8	20	10	1			1,88
1840	60,51	55,17	83	38	45				,5	2	7	2,5	18	20	10	3			
1842	66,50	52,64	84	33	51				2	4,5	3	2,5	18	13	17	15			5,15
1843	64,02	63,16	85	42	43	1,5		,5	2		4,5	8,5	13	15	15	8			6,90
1844	67,22	54,26	94	30	64	3,5	2	1	,5	5	4	3,5	10,5	22	8	7			1,16
1845	63,04	58,28	83	40	43				1		5,5	6,5	17	16,5	13,5	15			3,46
1846	75,18	59,99	92	44	48	4	1,5		,5	9,5	6	1	7,5	18	12	13			1,84
1847	65,34	59,36	90	38	52		,5	,5	1	3	13	3	9	11,5	18,5	17			6,31
1848	62,10	52,74	79	34	45	1	,5		,5	,5	7	7	13,5	18	12	11			2,05
Mean.	62,88	57,08				2,53	,94	,78	2,28	5,97	3,94	3,50	10,06	17,09	12,91				3,32
Total.						40,5	15	12,5	36,5	95,5	63	56	161	273,5	206,5				43,14

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	52,57	46,15	76	26	50	10,5			3,5	5	1	6	5	21	10	1	1		1,20
1830	53,48	50,08	78	28	50	2,5			9	5	1,5	5,5	7,5	17	14	4,5			1,49
1833	50,36	42,68	70	28	42	6,5			3	17,5		1,5	2,5	7	24	4	1		2,57
1835	55,68	61,66	86	30	56	6			1,5	23			,5	18	13	8			
1836	43,14	37,28	70	19	51	1,5	2	1,5	6,5	3,5	2	3	11	16,5	14,5	2,5		1	
1837	45,32	46,38	80	20	60	2	2,5	1	5,5	3	2	1	14	14	17	3,5			3,42
1838	49,33	39,66	80	25	55		,5	,5	2	7,5	5,5	5,5	9,5	12,5	18,5	3,5			3,57
1839	53,54	51,60	74	25	49	2	,5		2,5	12,5	3,5	1,5	8,5	24,5	6,5	2			,28
1840	54,00	44,34	76	26	50	,5	1		2	4,5	3	1	19	19	12	10		1	
1842	51,85	46,60	70	31	39	1			2	4	4,5	4,5	15	16	15	10			2,37
1843	51,02	41,06	68	29	39	,5	,5		1	,5	4	12,5	12	11,5	19,5	9	3		3,75
1844	48,02	43,96	69	28	41	1,5	1,5		1	2	6	6,5	12,5	15	16	7	1	1	3,07
1845	56,16	47,99	94	26	48	2,5			1	1	11,5	3,5	11,5	20,5	10,5	8	1		3,85
1846	53,84	41,46	78	20	58	2,5			,5	2,5	6	2,5	17	14	7	9	2	2	3,07
1847	50,36	44,98	72	22	50	,5			,5	4	7	5	14	16,5	14,5	14	1	1	3,68
1848	53,73	47,97	70	31	39	,5			,5		7	8,5	14,5	13,5	17,5	10			,96
Mean.	51,40	45,87				2,53	,53	,19	2,50	5,97	4,03	4,25	11,00	16,03	14,97				2,56
Total.						40,5	8,5	3	40	95,5	64,5	68	176	256,5	239,5				33,28
NOVEMBER.																			
1828	46,57	37,64	72	19	53	4	1	,5	4,5	7,5	2,5	6,5	3,5	10,5	19,5	3		2	3,13
1830	50,14	43,19	68	28	40	4,5	2	1,5	12,5	5	,5	1,5	2,5	7	23	5,5		2,5	6,98
1833	42,42	32,55	70	16	54	,5	1		2	11,5	3,5	5,5	6	10	20	1	2,5		2,18
1835	45,01	34,01	73	8	65	7		,5	1	17	,5	1,5	2,5	9	21	7	3		
1836	36,62	32,52	61	17	44	,5	1,5	1,5	4	5	5	5	7,5	10,5	19,5	,5			
1837	40,51	41,22	71	18	53		1,5	,5	3,5	5	2	4	13,5	11	19				,91
1838	38,71	28,30	58	9	49	2	1,5		5	5,5	2,5	2,5	11	11,5	18,5	2,5		,5	3,11
1839	38,34	31,12	56	12	44				1	7	8,5	1,5	12	13	17	2			1,83
1840	42,81	37,95	58	26	32				1	6,5	1	1,5	20	14,5	15,5	4	2		
1842	41,73	30,27	59	17	42	,5			,5	15	1	1,5	11,5	10,5	19,5	8	3	2	2,46
1843	34,84	37,89	54	15	39	1				1	4	15	9	4	26	5	7	2	2,06
1844	42,26	31,55	54	18	36	1				2,5	4,5	7,5	14,5	12	18	5	4		1,84
1845	47,41	37,64	67	14	53	1,5	1				4,5	4	19	10,5	19,5	8	2	1	3,35
1846	48,50	37,90	67	20	47				2	2,5	6	4,5	15	7,5	22,5	11	3	1	5,75
1847	48,63	39,98	75	1	74	1					12	5	12	7,5	22,5	9	1	2	2,68
1848	38,72	37,63	58	16	42				,5	1,5	10	7	11	9	21	6	4		,87
Mean.	42,70	35,71				1,47	,59	,28	2,34	5,78	4,25	4,62	10,66	9,87	20,13				2,86
Total.						23,5	9,5	4,5	37,5	92,5	68	74	170,5	158	322				37,15

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	41,56	33,90	61	16	45	3			2	10	1	9	6	20	11		1		,50
1830	36,14	30,02	55	7	48	,5		1	4	4	7,5	6	8	3,5	27,5	3	3		1,47
1833	30,42	31,40	48	4	44	4,5	1,5	6	4	10,5	1	1,5	2	10	21	1	1,5		3,25
1835	21,83	26,70	50	—	55	8,5			1,5	16	1		4	7,5	23,5	5	7	1	
1836	32,25	23,54	50	—	52	1	,5	,5	6,5	7	1	7	7,5	14,5	16,5	,5	,5		
1837	32,26	27,63	63	8	55	1	1,5		7	2,5	2	3,5	13,5	8,5	22,5	,5	,5	,5	1,20
1838	27,59	20,04	42	—	46	1			6,5	6	4,5	5	8	5,5	25,5		,5		,62
1839	43,33	24,91	48	6	42	1			3,5	5	2,5	,5	18,5	11,5	19,5	1	3	,5	1,72
1840	31,35	24,54	48	10	38	1			,5	6	3,5	1,5	18,5	9	22	3	6		
1842	30,73	26,86	43	9	34	1			2,5	3	3		21,5	4,5	26,5		9	3	2,97
1843	30,49	35,90	45	14	31	1			,5	5	5	12	12,5	4	27	4	5	1	1,82
1844	32,46	29,07	55	9	46	3				5	5	5,5	12,5	9,5	21,5	4	11	1	1,03
1845	23,31	23,81	49	—	45	3			,5	,5	1,5	8,5	17,5	8,5	22,5		9		,82
1846	29,63	29,16	58	9	49		,5	,5	2	1	2	7,5	17,5	10	21	4	9	1	1,46
1847	39,73	27,30	66	9	57					1,5	10,5	6	13	8	23	10	5	1	3,39
1848	43,76	32,88	60	18	42	1	1		,5	1	7	10,5	10	9,5	21,5	11	8		5,25
Mean.	32,93	27,98				1,91	,31	,50	2,53	4,97	3,63	5,25	11,90	9,00	22,00				1,96
Total.						30,5	5	8	40,5	79,5	58	84	190,5	144	352				25,50

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	
	First Half.	Seen'd Half.																					
January, --	29.53	27.17	71	—13	89	2.44	.69	.53	2.44	7.44	2.78	3.12	11.56	S 89° 40' W	85	10.50	10.50	20.50				1.82	23.65
February, --	24.13	23.32	60	—12	72	3.59	.72	.44	2.50	5.87	1.94	2.69	11.06	NN 87° 53' W	81	9.20	10.59	17.72				1.64	21.80
March, ---	31.09	31.89	76	—8	84	3.94	.65	.69	3.69	5.97	2.66	2.00	11.40	NN 76° 07' W	25	8.43	14.84	16.16				2.15	27.91
April, ----	43.72	49.62	98	15	83	2.94	1.50	.09	3.09	5.08	8.06	2.08	11.66	NN 71° 25' W	29	9.98	16.94	18.06				1.84	28.87
May, ----	55.20	59.95	89	20	69	4.08	1.44	.56	2.44	5.66	4.91	8.84	8.12	S 89° 53' W	32	9.70	17.66	18.34				3.11	43.61
June, ----	63.69	66.77	96	37	59	2.91	1.38	.72	2.59	6.09	4.62	4.00	7.69	S 58° 43' W	28	8.58	16.00	12.00				3.43	44.67
July, ----	69.80	71.47	94	43	56	3.47	1.31	.72	1.37	5.91	6.78	3.88	7.56	S 60° 21' W	38	11.56	20.91	10.09				3.85	43.57
August, ---	68.90	68.37	93	37	61	3.12	1.28	.81	2.44	5.78	4.81	3.88	8.87	S 87° 45' W	34	10.11	20.31	10.69				2.64	84.38
September, --	62.83	57.08	94	28	66	2.58	.94	.78	2.28	5.97	8.94	3.50	10.06	S 89° 80' W	34	10.15	17.09	12.91				3.82	43.14
October, ---	51.40	45.87	86	19	67	2.53	.53	.19	2.50	5.97	4.08	4.25	11.00	N 85° 26' W	42	12.59	16.08	14.37				2.56	38.23
November, --	42.70	35.71	75	1	74	1.47	.59	.28	2.84	5.78	4.25	4.62	10.66	S 89° 12' W	40	12.11	9.87	20.13				2.86	37.15
December, --	32.93	27.98	63	—5	68	1.91	.31	.50	2.53	4.97	3.63	5.25	11.90	N 87° 53' W	44	13.39	9.00	22.00				1.96	25.50
Mean. ----	47.99	48.06	93	—13	116	2.94	.95	.59	2.58	5.85	3.95	8.59	10.93	N 89° 30' W	36	10.75	15.56	14.88				2.55	28.49

Highest degree, April 29, 1833, and August 23, 1835, - - - 93°
 Lowest degree, January 5, 1836, - - - - - - - - - - - - - - - - - 13°
 Extreme range in 17 years, - - - - - - - - - - - - - - - - - 116°
 Greatest monthly range in January.
 Least monthly range in July.

Mean monthly range, 70½°.
 Driest month, February.
 Wettest month, June.
 Total fall of rain and snow in 13 years, 83 feet 5,49 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.										
1827	24, 87	86, 49	36, 83	52, 12	58, 49	63, 54	69, 83	71, 22	65, 64	50, 19	36, 22	34, 56	50, 00	96	- 2	98		January 25,	August 1,			
1828	33, 68	83, 57	43, 04	44, 28	60, 48	69, 24	89, 62	70, 64	61, 15	49, 86	42, 10	37, 73	51, 35	96	- 8	88	54	January 24,	June 27,			
1830	25, 39	29, 75	37, 86	52, 89	55, 98	64, 15	73, 33	66, 16	58, 85	51, 78	46, 66	33, 08	49, 67	96	- 1	97	60	January 80,	July 21,	September 10,	November 8.	
1833	33, 85	23, 15	31, 80	50, 64	65, 12	63, 09	71, 81	65, 18	57, 84	46, 52	37, 48	30, 91	48, 28	98	- 4	102	71	March 2,	July 1,	September 14,	October 80.	
1835	26, 88	21, 25	32, 50	41, 35	53, 06	65, 90	69, 26	66, 66	56, 39	53, 67	39, 51	24, 26	46, 31	98	- 12	110	66	January 7,	August 28,	September 23,	November 23.	
1836	25, 15	18, 09	27, 00	42, 75	57, 86	65, 75	69, 95	62, 49	59, 29	40, 21	35, 07	27, 89	44, 28	94	- 18	112	67	February 2,	July 8,	September 5,	October 5.	
1837	20, 59	24, 89	30, 32	39, 55	52, 26	63, 57	66, 10	65, 39	58, 43	45, 85	40, 56	30, 20	49, 88	92	- 10	102	72	January 2,	August 2,	September 24,	December 16.	
1838	31, 21	15, 71	35, 27	37, 26	50, 91	67, 73	72, 12	67, 83	59, 63	44, 49	33, 50	23, 62	44, 96	95	- 8	103	76	January 81,	July 10,	September 3,	October 29.	
1839	24, 18	26, 46	31, 01	45, 85	53, 11	57, 76	67, 44	63, 04	58, 29	52, 51	34, 73	34, 12	45, 71	91	- 12	103	70	January 28,	July 30,	September 14,	November 9.	
1840	20, 45	88, 51	36, 52	50, 15	57, 14	63, 82	69, 80	68, 68	57, 84	49, 17	40, 88	27, 95	47, 95	98	- 14	112	64	January 16,	July 16,	September 21,	November 21.	
1842	36, 46	33, 89	40, 23	48, 46	53, 49	63, 80	69, 54	67, 74	59, 57	48, 73	36, 00	25, 80	48, 89	90	- 2	88	65	January 23,	July 23,	September 25,	November 27.	
1843	33, 38	21, 03	35, 57	46, 12	56, 55	65, 28	70, 72	70, 56	63, 59	46, 04	36, 36	33, 19	47, 37	94	- 1	6	100	58	February 17,	July 1,	September 15,	October 17.
1844	25, 81	29, 32	36, 02	54, 72	60, 29	68, 03	71, 17	68, 33	60, 74	45, 99	36, 90	30, 76	49, 06	94	- 1	6	95	64	January 27,	August 15,	September 25,	October 29.
1845	30, 38	29, 38	39, 65	48, 93	57, 04	62, 98	71, 03	70, 99	60, 84	52, 08	42, 58	29, 56	49, 15	97	- 4	101	56	February 2,	June 2,	September 28,	October 21.	
1846	27, 71	23, 23	38, 17	52, 94	61, 72	66, 95	70, 70	75, 81	67, 59	47, 65	33, 20	29, 89	50, 42	97	- 7	104	53	January 19,	July 10,	September 16,	October 18.	
1847	27, 14	28, 51	81, 73	44, 82	61, 13	66, 48	75, 30	71, 81	62, 35	47, 53	33, 50	33, 31	49, 51	99	- 7	106	74	February 23,	July 18,	September 16,	October 14.	
1848	31, 25	28, 88	35, 85	45, 76	63, 26	69, 11	72, 82	70, 73	57, 42	50, 82	34, 17	38, 32	50, 16	94	- 4	98	69	January 10,	August 16,	September 13,	November 5.	
Mean.	28, 14	27, 04	34, 62	46, 95	57, 52	65, 13	70, 59	68, 64	60, 32	49, 69	39, 03	30, 69	48, 83									

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1828	66	9, 5	13, 5	26, 5	107	24	58	62, 5	S 74° 03' W	25	93, 83	201, 5	164, 5	36	14	3
1830	42	21, 5	20, 5	53	70	21	39, 5	97, 5	N 85 39 W	14	50, 25	170, 5	194, 5	47	9, 5	2, 5
1833	72, 5	7, 5	11, 5	27, 5	176, 5	12, 5	15, 5	41, 5	S 10 21 W	27	99, 33	176, 5	188, 5	25, 5	11	1, 5
1835	137, 5	1	3, 5	17	180	4	18		S 4 20 W	12	44, 07	179	186	90	21, 5	1, 5
1836	97	12, 5	11	41, 5	112	11, 5	22, 5	58	S 83 19 W	6	22, 60	169	197	28, 5	11	4
1837	19	34, 5	19	63, 5	49	28	25, 5	126, 5	N 67 37 W	14	50, 24	178	187	17, 5	5	2
1838	13	37	11	56	56	42	31, 5	118, 5	S 88 01 W	19	68, 27	182, 5	182, 5	21	4	1, 5
1839	14, 5	27, 5	15	58	57	43	17	133	S 89 37 W	18	65, 99	197, 5	167, 5	18	7	1, 5
1840	5	4		23	61	42	14	217	N 50 45 W	23	85, 83	227	139	63	14	1
1842	5	3		66, 5	82, 5	21, 5	9, 5	177	S 82 57 W	28	101, 45	166	199	110	24	11
1843	8	2	, 5	13	33	49, 5	111	148	N 81 15 W	66	242, 36	149	216	77	30	13
1844	21	7	2	9	29	74	73	151	N 78 22 W	61	223, 37	171, 5	194, 5	98	45	5
1845	18	5, 5	1, 5	5, 5	28	69	63	174, 5	N 74 02 W	64	235, 00	187, 5	177, 5	103	39	5
1846	30	4	, 5	14	43	84, 5	46, 5	142, 5	N 83 50 W	53	194, 85	173, 5	191, 5	88	34	5
1847	4	3	1	7, 5	21, 5	124	78	126	S 85 31 W	68	247, 11	181	184	108	32	12
1848	6, 5	2		4	14, 5	107	80, 5	151, 5	N 85 09 W	71	259, 98	198	168	102	36	1
Mean.	34, 94	11, 84	6, 78	30, 34	70, 00	47, 34	43, 06	121, 44	N 88° 14' W	34	126, 27	181, 75	184, 19			
Total.	559	181, 5	108, 5	485, 5	1120	757, 5	689	1943				2008	2947			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1828	1.22	1.05	2.88	1.20	1.30	3.41	4.87	1.20	5.49	1.20	3.13	1.50	24.45	December.	September.
1830	1.61	1.47	2.82	2.06	5.53	5.08	3.62	1.92	3.67	1.49	6.93	1.47	35.61	February.	November.
1833	2.30	2.86	1.25	1.78	1.90	1.47	3.70	2.78	1.60	2.57	2.18	3.25	26.64	May.	July.
1837	1.47	1.57	2.19	1.93	6.20	3.61	2.89	3.39	1.46	3.42	1.91	1.20	28.24	January.	May.
1838	1.24	1.93	1.66	2.01	6.61	5.28	3.76	2.86	2.17	3.57	3.11	1.62	33.82	December.	May.
1839	3.75	1.86	2.08	1.90	4.07	4.34	2.69	1.31	1.88	1.83	1.72	1.72	22.22	October.	June.
1842	2.97	3.16	3.79	2.91	2.12	5.10	4.28	2.67	5.15	2.37	2.46	2.97	39.95	May.	September.
1843	2.37	1.31	2.11	3.27	1.05	3.90	2.80	3.80	3.75	2.06	1.82	1.82	35.14	May.	September.
1844	1.86	1.45	2.47	1.69	3.85	1.30	5.24	2.23	1.16	3.07	1.84	1.03	26.19	February.	July.
1845	2.18	2.65	2.91	3.42	2.16	2.07	2.78	2.30	3.46	3.85	3.35	1.82	31.90	December.	October.
1846	1.87	2.54	2.51	1.85	1.08	3.84	2.43	3.47	1.84	3.07	5.75	1.46	30.71	April.	November.
1847	1.97	2.41	1.94	1.86	2.01	2.71	1.86	2.58	6.31	3.68	2.68	3.39	31.39	April.	September.
1848	1.59	1.54	1.80	1.00	4.93	2.46	4.25	3.87	2.05	1.96	1.87	5.25	28.87	February.	December.
Mean.	1.82	1.64	2.15	1.84	3.22	3.43	3.35	2.64	3.82	2.56	2.86	1.96	30.39		
Total.	23.65	21.80	27.91	23.87	41.81	44.57	43.57	34.38	43.14	33.28	37.15	25.50	395.13		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1828	13	21	7	12	28	4	29	7	5	7	27	2	26	9	30	19	1	29	10	16	4	18	3	30
1830	16	30	20	6	21	8	30	2	4	22	16	21	21	13	23	26	6	17	27	29	9	25	25	22
1833	5	11	17	1	20	2	29	14	18	3	23	9	1	17	21	29	4	23	16	31	9	4	31	14
1835	30	7	22	9	26	3	11	17	28	7	11	30	24	1	28	4	4	30	18	25	4	29	26	16
1836	5	27	23	2	27	12	26	11	22	13	17	12	8	26	7	30	19	29	1	26	11	25	9	27
1837	31	2	15	13	7	3	29	4	14	1	30	21	14	9	2	5	20	23	23	29	21	25	2	15
1838	4	31	8	14	23	1	28	16	21	25	10	1	10	22	11	26	22	2	31	4	25	1	31	
1839	11	23	22	9	29	3	24	18	24	4	8	1	30	5	26	30	9	28	9	20	14	22	8	21
1840	29	16	20	11	1	25	25	7	18	5	29	3	16	3	21	7	9	21	2	26	4	27	14	25
1842	29	23	3	17	4	12	22	1	18	9	30	11	23	31	18	1	1	22	1	19	1	29	21	23
1843	20	3	19	17	28	7	26	2	15	31	27	1	1	20	7	21	2 & 3	27	1	31	24	27	17	13
1844	16	27	20	9	13	21	14	1	25	21	25	11	31	4	16	28	20	26	25	30	7	27	26	20
1845	28	31	15	2	30	19	26	8	18	29	8	17	13	24	23	18	3	24	11	21	18	28	14	22
1846	29	19	4	27	25	2	10	13	27	11	30	21	10	16	5	18	5	28	8	23	8	26	27	23
1847	15	21	3	23	7	15	21	18	29	1	9	15	18	27	10	17	8	30	6	27	3	29	10	21
1848	1	10	21	11	31	15	10	19	29	12	17	1	21	16	16	18	4	22	7	21	2	11	7	22

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1828	59	8	58	10	62	13	59	28	78	32	96	42	95	55	94	50	86	42	76	26	72	19	61	16
1830	49	— 1	60	4	68	8	86	31	86	35	88	44	96	51	92	44	84	30	78	28	68	28	55	7
1833	71	0	48	— 3	65	— 4	98	28	88	40	84	37	96	49	89	44	87	31	70	28	70	16	48	4
1835	50	12	58	— 8	62	— 2	78	22	89	32	95	44	96	44	98	40	90	33	86	30	73	8	50	— 5
1836	48	— 18	50	— 12	63	— 3	83	16	88	34	89	48	94	51	88	37	94	31	70	19	61	17	50	— 2
1837	42	— 2	50	— 3	63	— 10	77	19	86	20	86	48	92	45	92	40	83	32	80	20	71	18	63	8
1838	61	— 4	48	— 5	68	— 8	68	15	87	25	93	41	95	48	90	44	86	33	80	25	58	9	42	— 4
1839	52	— 10	48	— 12	66	— 4	80	20	81	30	84	40	90	46	91	39	90	28	74	25	56	12	48	6
1840	46	— 14	59	— 4	65	8	88	24	88	34	94	40	98	43	92	50	83	38	76	26	58	26	48	10
1842	54	2	56	10	68	16	88	20	83	32	86	38	90	46	84	45	84	33	70	31	59	17	43	9
1843	66	8	40	— 6	52	— 3	75	20	88	40	91	38	94	52	92	56	85	42	68	29	54	15	45	14
1844	41	— 5	52.	3	59	13	78	16	88	31	91	48	90	50	94	52	94	30	69	28	54	18	55	9
1845	48	9	50	1	74	18	85	22	89	34	95	45	97	49	91	51	83	40	74	26	67	14	49	— 4
1846	50	— 7	45	0	59	— 6	78	28	88	33	86	46	97	55	93	55	92	44	78	20	67	20	58	9
1847	57	2	52	— 7	56	14	83	20	88	36	92	48	99	48	89	52	90	38	72	22	75	1	66	9
1848	55	— 4	48	2	76	7	74	29	86	34	92	40	90	60	94	50	79	34	70	31	58	16	60	18
Highest.	71		60		76		98		89		96		99		98		94		86		75		63	
Lowest.		— 18		— 12		— 10		15		20		37		43		37		28		19		1		— 5
Range.		89		72		86		83		69		59		56		61		66		67		74		68

SUMMARY OF OBSERVATIONS AT JOHNSTOWN ACADEMY,

JOHNSTOWN, FULTON COUNTY, N. Y., DURING FOURTEEN YEARS.

Latitude N. 43° 00'; Longitude W. 74° 23'. On the north side of the valley of the Mohawk.

Johnstown is situated on the Cayadutta creek, four miles north of the Mohawk river, at Fonda, and by a railroad survey, ascertained to be 688 feet above tide water at Troy. The surrounding country is undulating, and underlaid by Utica slate. The surface at the village slopes northward towards the creek that flows near it.

OBSERVERS.

1828, S. PHINNEY, Principal.
1829, XENOPHON HAYWOOD.
1831, WILLIAM MAXWELL.
1832, WILLIAM MAXWELL and ALEXANDER MURRAY, JUN.
1834, ALBERT AMERMAN and JOHN G. SMART, Teachers.
1835, J. G. SMART, REV. A. AMERMAN and P. BURKE, Principals.
1836, PETER BURKE, Principal, and J. A. SAVAGE, Assistant.

1837, 1838, PETER BURKE, Principal.
1841, HENRY S. BROWN and B. D. CRARY, Principals.
1842, not stated.
1843, B. DENISON CRARY, Principal.
1844, B. D. CRARY, Principal, and PETER BROOKS.
1845, PETER BROOKS, Esq. and B. D. CRARY.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]							WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	33,72	21,45	49	12	37	4	11	1,5	1	1	8,5	4	10	21	3	3			2,99
1829	17,25	23,91	45	—11	56	6,5	8,5	1	1	2	8,5	3,5	11,5	19,5	1	4	1		4,11
1831	23,21	15,40	48	—16	64	3	4	1,5		,5	20	2	15	16		3			3,60
1832	22,81	23,50	50	—20	70	3,5	11,5			1	13,5	1,5	8,5	22,5	,5	7	,5		4,50
1834	16,64	17,96	44	—16	60	6	5	,5		4	14	1,5	11,5	19,5	3	1,5			2,10
1835	6,57	30,00	40	—30	70	6	2,5	3		4,5	13,5	1,5	14,5	16,5	3,5	2,5	1		3,76
1836	28,04	13,85	37	—13	50	4,5	3	,5			23		12	19	1	5			1,90
1837	13,23	15,39	39	—14	53	3,5	1			3,5	22,5	,5	18,5	12,5		3,5			4,64
1838	30,87	21,45	49	—12	61	1	3,5	1,5			23,5	1,5	21	10	1,5	2	1		4,88
1841	28,17	27,45	47	—24	71	,5	11,5	2,5	,5		5,5	8,5	2	18	13	2,5	6		3,51
1842	25,56	28,86	52	—8	60	,5	2,5	4	1	1	2,5	17	2,5	23	8	1	3		1,72
1843	26,74	26,84	48	—6	54	,5	2	3,5	3,5	1,5	2,5	14	3,5	20	11	,5	1,5		1,16
1844	11,60	—0,08	30	—30	60		4,5	7	,5		19		19,5	11,5	2	8			3,95
1845	23,93	21,41	40	—8	48		4	8,5			1	17,5	16	15	5	6			3,45
Mean.	22,02	20,53				,11	4,46	5,41	1,07	,32	2,00	15,92	1,71	15,64	15,36				3,30
Total.						1,5	62,5	75,5	15	4,5	28	223	24	219	215				46,27

FEBRUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	31,92	31,35	60	9.51		2,5	11				3	11,5	1	14	15	5	2		2,57
1829	17,83	18,88	43	9.52		2,5	7				1,5	14,5	2,5	17	11	1	3		2,51
1831	17,05	23,59	47	2.45		3,5	1				1	22,5		17,5	10,5	1,5	2		3,61
1832	25,08	19,64	44	8.52		3	9	1		,5	,5	14	1	5	24	4	8		3,86
1834	25,90	34,52	52	13.65		3	7		,5		1	16,5		9	19	3	2		1,71
1835	10,55	24,13	44	18.62		5	3,5	1			,5	17	1	9,5	18,5	1,5	4		1,98
1836	11,51	16,40	38	22.60		4,5	4				,5	19,5	,5	16	13	1	2		2,80
1837	20,34	25,25	41	14.55		2	8,5		,5		2	15		15,5	12,5	,5	4	,5	3,74
1838	16,31	11,28	39	9.48		1	1			,5		25	,5	20	8		4,5		3,60
1841	19,90	28,37	42	1.43		5,5	2,5				9,5	7,5	3	23,5	4,5		1		,87
1842	37,30	28,85	55	2.53		3,5	4,5				1	19		16,5	11,5	1	4		3,71
1843	14,90	17,18	38	18.56		3	,5	1,5			1	16	6	23,5	4,5		4		1,25
1844	20,44	26,08	50	7.57		3,5	11	,5				14		18,5	10,5		4		3,90
1845	10,16	34,02	48	16.64		2,5	6,5	1,5			,5	17		20	8	3	5	2	4,00
Mean.	19,94	24,25					3,21	5,50	,46	,07	1,57	16,36	1,11	16,11	12,18				2,87
Total.							45	77	6,5	1	22	229	15,5	225,5	170,5				40,11

MARCH.																			
1828	31,45	37,36	71	10.61			14					17		21	10	3	2		3,19
1829	30,67	29,29	52	9.43		3	5		1,5	4		15,5	2	20	11	2	2	1	2,15
1831	36,66	37,67	52	12.40		2	1	1				27		9,5	21,5	4	1,5		3,05
1832	32,05	30,03	60	4.56		6,5	8	,5			,5	15	,5	12,5	18,5	3	3	1,5	,80
1834	33,99	32,95	58	2.56		2	8,5	2,5			1,5	14	2,5	16	15	2,5	2,5		2,62
1835	26,31	34,12	50	8.58	1	2,5	7	,5			1,5	17,5	1	14	17		4	1	3,42
1836	18,97	25,05	51	6.57		2,5	6,5	1,5			,5	19,5	,5	21	10	1	4		3,24
1837	22,28	29,38	43	16.27		8,5	10				3,5	8	1	19	12	4,5	,5	,5	6,73
1838	34,39	37,10	56	0.56		,5	3,5	5	2		1,5	17	1,5	22	9	,5	5		5,47
1841	27,39	34,92	54	5.59			1		3		14	11,5	1,5	21	10	1	3,5		3,90
1842	39,61	39,91	75	14.61			6,5	1	,5			22,5	,5	20	11	3	2	1	3,49
1843	20,43	26,76	44	5.49		2,5	1,5	1			1	20,5	4,5	22	9	1	5,5		3,38
1844	33,95	31,76	56	4.52		2,5	10,5					17,5	,5	18	13	4	2		6,00
1845	32,97	34,77	72	10.62		4	8	,5			1	16,5	1	20	5	10,5	4	7	3,44
Mean.	30,08	32,93				,11	2,89	6,54	,96	,14	2,07	17,07	1,22	18,32	12,68				3,62
Total.						1,5	40,5	91,5	13,5	2	29	239	17	256,5	177,5				50,88

APRIL.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	37,06	44,90	62	25	37			14,5			1	14,5		17,5	12,5	3	1		2,88
1829	39,03	46,87	73	28	45	2	2,5	11	1		1	8	4,5	14	16	7		1	4,49
1831	44,50	52,72	71	27	44		2,5	4,5	1,5		2,5	17,5	1,5	15	15	7,5			3,25
1832	42,45	45,07	80	18	62	,5	7	3,5	1		1	13	4	11	19	7	2		,97
1834	49,70	45,44	80	24	56		4	8	2,5	1	1	11	2,5	13	17	6	1,5		3,39
1835	43,32	38,98	67	23	44		2,5	9,5	1,5		1	15,5		11	19	4,5	3,5	2	4,42
1836	33,86	43,39	64	8	56		3,5	6,5	2,5		6,5	11		20	10	2,5	1	1,5	2,87
1837	39,39	40,16	68	19	49		,5	1,5	,5		6	19,5	2	22	8	2,5	1,5		4,01
1838	36,15	37,57	60	20	40		1	3,5	4			20,5	1	23	7	3		,5	2,02
1841	35,25	35,30	54	23	31	,5	3	2	2,5	1	8	11	2	15,5	14,5	2	1		3,24
1842	50,84	47,13	93	18	75		1,5	8	1,5		1	16,5	1,5	21,5	8,5	4,5			3,13
1843	38,34	50,13	76	6	70	1	1,5	7,5	3	,5	1	12	3,5	14,5	15,5	2,5	2		2,35
1844	50,86	53,88	85	6	79		1,5	16,5				12		23	7	6			1,97
1845	36,17	47,99	76	19	57		5,5	5	1		2	16	,5	15	15	8	3		2,90
Mean.	41,21	44,97				,29	2,61	7,25	1,61	,18	2,28	14,14	1,64	16,86	13,14				2,99
Total.						4	36,5	101,5	22,5	2,5	32	198	23	236	184				41,89

MAY.

1828	57,48	56,86	80	35	45			18,5			,5	12		20,5	10,5	5			4,82
1829	55,75	60,77	89	31	58		3	8	,5	1,5	4	12	2	23	8	6			2,63
1831	54,36	64,22	87	34	53	,5	2,5	6,5	1		1	17,5	2	16,5	14,5	5	1		2,23
1832	54,54	53,34	80	35	45	1	11	4,5	1,5		2	10,5	,5	9	22	7,5		,5	4,79
1834	46,30	63,28	88	24	64		1	5,5	4,5	,5	1,5	16,5	1,5	14,5	16,5	5,5	1		3,67
1835	48,92	61,54	83	33	50		1	8	1	1,5		17,5	2	20,5	10,5	5,5			1,95
1836	56,27	58,26	82	30	52		2	5,5	4,5		5,5	13	,5	19,5	11,5	6,5			1,99
1837	48,90	55,96	84	29	55			3	6	1	6,5	12,5	2	21	10	7,5			8,56
1838	48,76	58,43	81	28	53		3,5	1,5	2,5		5	18	,5	22,5	8,5	6			4,53
1841	40,74	66,97	84	27	57	1,5	1	5	2,5	,5	5,5	9	6	20	11	6	,5	,5	2,89
1842	51,10	56,55	81	32	49	,5		3	1,5		1	23,5	1,5	21,5	9,5	6		,5	1,91
1843	57,73	57,42	92	30	62	2,5	1	4,5	3,5	2,5	2	8	7	23	8	2,5			1,95
1844	56,06	59,41	92	26	66		1	7	,5		1	21,5		16	15	14			4,03
1845	51,93	50,67	90	26	64		1,5	6,5	2		3,5	15,5	2	22,5	8,5	8	1		2,29
Mean.	52,06	59,26				,43	2,04	6,21	2,25	,54	2,79	14,78	1,96	19,29	11,71				3,45
Total.						6	28,5	87	31,5	7,5	39	207	27,5	270	164				48,24

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	66,01	74,66	96	50	46			13		,5		16	,5	25	5	3			4,39
1829	67,66	61,87	89	45	44		1,5	7,5	3,5		1,5	13	3	21,5	8,5	,5			3,84
1831	74,49	67,61	96	50	46		3	5,5			2	16,5	3	13,5	16,5	6,5			5,07
1832	63,19	68,21	89	42	47		5,5	2,5	4		4	8,5	5,5	9	21	5,5			1,84
1834	61,89	63,70	88	41	47		1,5	6,5	3	,5	2	16	,5	15	15	6			3,52
1835	67,93	61,28	86	45	41			4	3,5	,5	1,5	20,5		14,5	15,5	7			8,04
1836	64,11	61,66	82	45	37		4,5	10	1,5		7	7		16	14	5			3,84
1837	65,97	62,56	89	44	45		4,5	,5	5	,5	4,5	14,5	,5	21,5	8,5	8			2,76
1838	68,66	70,15	92	48	44	,5	,5	,5	3,5		4	19,5	1,5	22,5	7,5	6			5,45
1841	68,44	71,01	93	50	43		,5	4	4,5	1	4	15,5	,5	19	11	5,5	,5		3,65
1842	59,65	64,76	90	30	60	.	2	5,5	2	1,5	3	15,5	,5	17,5	12,5	5,5	,5		6,29
1843	60,69	70,36	86	43	43		1	2	,5	,5	3,5	20	2,5	23	7	5,5			3,44
1844	61,08	69,43	93	38	55		1,5	5	,5		1	21,5	,5	17	13	11			3,72
1845	66,93	60,59	92	41	51			3			3	24		23,5	6,5	7			2,98
Mean.	65,47	66,27				,03	1,86	4,96	2,25	,36	2,93	16,29	1,32	18,47	11,53				4,20
Total.						,5	26	69,5	31,5	5	41	228	18,5	258,5	161,5				58,83
JULY.																			
1828	65,80	70,61	85	57	28	,5	,5	10			2	16,5	1,5	19,5	11,5	2			5,18
1829	63,71	68,18	88	48	40		3,5	5,5	2	1	2,5	12	4,5	18,5	12,5	8			3,63
1831	68,77	69,31	87	47	40		2	3			3,5	18	4,5	14,5	16,5	7,5			5,11
1832	69,15	67,30	94	50	44	,5		2	1		1	15,5	11	5	26	8			4,85
1834	73,97	72,09	93	48	45			1,5	2,5	1	3	21	2	22,5	8,5	4,5			3,87
1835	67,45	67,75	87	48	39		,5	4	1		2,5	20	3	17	14	8	,5		4,71
1836	73,75	67,53	92	48	44		3,5		4,5	,5	10	12,5		24	7	6			3,75
1837	68,41	72,99	86	50	36			,5	2	1	4,5	22,5	,5	23,5	7,5	4,5			3,98
1838	69,60	71,89	95	52	43		,5		2,5		7	21		25,5	5,5	2,5			2,26
1841	65,12	68,45	94	48	46				1,5	,5	6	15,5	7,5	22,5	8,5	4,5			3,18
1842	70,27	66,67	95	52	43			2,5	,5	,5	3	23,5	1	25,5	5,5	2			5,23
1843	72,33	67,60	93	45	48		,5	2	1,5		5	17,5	4,5	25,5	5,5	3,5			2,12
1844	68,49	69,32	88	42	46		1,5	3	,5	,5	2	21	2,5	18,5	12,5	10			4,52
1845	68,97	66,41	94	48	46		1	3	,5		3	18,5	5	24,5	6,5	6			3,70
Mean.	68,99	69,01				,07	,96	2,64	1,43	,36	3,93	18,22	3,39	20,46	10,54				4,01
Total.						1	13,5	37	20	5	55	255	47,5	286,5	147,5				56,09

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1828	72,41	71,46	91	52	39	3		,5		3		22	2,5	29	2	5			2,95
1829	67,16	63,32	87	40	47	,5	4,5	1		4,5	8	4	8,5	26,5	4,5	3			1,61
1831	68,42	70,06	92	44	48		2	4	1,5		2	17,5	4	12,5	18,5	7			2,59
1832	73,05	64,84	93	41	52		1,5	,5	7		4,5	15	2,5	4,5	26,5	5,5			1,94
1834	72,23	62,87	90	43	47		1	2	5		2	20	1	19	12	3,5			1,54
1835	59,81	64,15	77	40	37			4,5	4,5	,5		19,5	2	16	15	8,5			5,95
1836	64,50	62,27	84	40	44					,5	5,5	25		23,5	7,5	3			1,50
1837	67,32	63,16	86	40	46			2	3	1,5	7	17,5		21	10	7			2,40
1838	76,97	65,68	92	38	54		3,5	3,5	2	,5	1	18	2,5	24,5	6,5	6			7,48
1841	67,86	67,11	91	43	48		2	1,5	7	1	4,5	11,5	3,5	19,5	11,5	6			2,77
1842	68,98	67,09	88	45	43		2	5,5	5	,5	3	12	3	21,5	9,5	5			4,39
1843	71,55	71,94	94	50	44		5	3	3		2,5	17	,5	17,5	13,5	8,5			3,17
1844	68,93	67,16	88	46	42		3,5	2,5	2		2,5	19	1,5	20,5	10,5	9			4,66
1845	66,77	71,53	93	46	47			3	2		6	19	1	25	6	5			1,07
Mean.	68,99	66,62				,24	1,79	2,39	3,00	,86	3,46	16,94	2,32	20,04	10,96				3,14
Total.						3,5	25	33,5	42	12	48,5	237	32,5	280,5	153,5				44,02

SEPTEMBER.																			
1828	61,16	50,79	82	43	39		4	6,5	2		2,5	10,5	4,5	13	17	7			4,12
1829	58,40	52,63	86	37	49	1		2,5		4,5	3	2,5	16,5	23	7	5			3,49
1831	63,69	56,90	80	37	43	,5		3,5	1,5		1,5	22	1	11	19	6			2,70
1832	58,26	58,55	83	34	49		,5	3	2,5		2	20,5	1,5	13	17	4			1,05
1834	60,58	57,85	85	25	60		,5	4	5		2,5	15	3	17	13	6,5			3,85
1835	59,13	48,28	83	26	57		1	3,5	3		,5	17,5	4,5	12,5	17,5	3,5			,71
1836	59,60	59,06	88	32	56		1	5,5	4		4	13,5	2	14,5	15,5	6			2,74
1837	60,44	56,89	82	30	52			4	2	1,5	6,5	15	1	23,5	6,5	4			2,44
1838	65,32	61,53	86	42	44		1	5	2		2	20		23	7	3			1,61
1841	62,73	50,35	84	32	52		,5	7	7	3	5	7	,5	22	8	4,5			4,48
1842	61,65	51,07	84	30	54		2	2,5	1	,5	2	18,5	3,5	20,5	9,5	5			4,10
1843	64,54	60,10	92	32	60		1	9,5	3		1	14,5	1	21	9	3,5			2,96
1844	66,17	57,24	87	26	61	,5	3	3,5	4	,5	1,5	12,5	4,5	24,5	5,5	5			4,16
1845	56,73	51,32	86	30	56		,5	4,5	1			24		21,5	8,5	9			1,83
Mean.	61,31	55,18				,14	1,07	4,61	2,71	,72	2,43	15,21	3,11	18,57	11,43				2,87
Total.						2	15	64,5	38	10	34	213	43,5	260	160				40,24

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1828	50,10	43,29	71	25	46	2,5	2,5	3,5	2	2	5,5	6,5	6,5	20	11	2	1		2,00
1829	50,50	53,88	69	27	42		,5	7,5	,5	1	8,5	4,5	8,5	24,5	6,5	4			3,10
1831	50,43	49,80	76	23	53		1,5	6,5				21	2	15,5	15,5	7			3,82
1832	52,07	46,80	70	25	45	3,5	1	3			1,5	18,5	3,5	14,5	16,5	9,5			1,29
1834	48,89	38,89	76	20	56		2,5	3	4		7,5	9,5	4,5	11,5	19,5	9	1,5		4,86
1835	45,42	54,31	70	22	48		2,5	5,5	4,5	1,5	5,5	11,5		17,5	13,5	7			2,11
1836	43,18	38,34	59	18	41		2	4	,5		2,5	16,5	5,5	20	11	5	,5	1	3,84
1837	45,80	45,77	70	18	52	,5	3,5	1	5		,5	13,5	7	21	10	6		,5	3,45
1838	51,83	39,39	78	22	56	1,5	2,5	2			20,5	4,5	18	13	6,5				3,20
1841	48,22	42,12	72	28	44		6	2,5	,5	,5	2	18,5	1	18	13	2,5	,5		1,14
1842	49,57	41,94	77	25	52			1	1,5	,5	4	20	4	23	8	2,5			2,95
1843	50,58	39,50	68	22	46		2	7	2		1	19		17	14	5,5	1,5		4,74
1844	45,88	43,91	68	23	45		2	8	2			15,5	3,5	15,5	15,5	10			5,82
1845	51,97	42,26	73	15	58		3,5	,5	3		1	20	3	22	9	5			3,64
Mean.	48,88	44,30				,57	2,29	3,93	1,82	,39	2,82	15,36	3,82	18,43	12,57				3,28
Total.						8	32	55	25,5	5,5	39,5	215	53,5	258	176				45,96
NOVEMBER.																			
1828	42,68	33,15	63	10	53		1	9		2	2	11	5	10	29	4	2	1	4,66
1829	38,45	37,92	60	18	42	,5	2,5	11,5	,5		1,5	10	3,5	13	17	5	1		2,83
1831	39,95	33,10	51	20	31		,5	3,5	,5			23,5	2	7	23	2	3		,75
1832	39,88	35,97	56	15	41			1,5		1	1,5	19,5	6,5	11	19	3,5	2		3,33
1834	35,69	31,28	56	6	50		1,5	7	2		2,5	14	3	10,5	19,5	3	3	,5	1,70
1835	41,06	27,89	60	4	56		1,5	5	,5		1,5	21	,5	17,5	12,5	4,5	2,5		3,46
1836	38,44	29,70	57	11	46		2,5	4	1,5	,5	1	18	2,5	12,5	17,5	4,5			2,03
1837	37,06	36,77	67	10	57	1	3,5	1	,5		1	18,5	4,5	18	12	3,5	2		2,81
1838	35,94	34,66	50	4	54		3	2	1		1	22	1	22	8	4,5	,5		5,68
1841	42,01	33,28	74	17	57		4,5	4,5	1	,5	4	14,5	1	14	16	2,5	3		3,32
1842	38,15	26,65	58	5	53		2	2	1,5		,5	16,5	7,5	18	12	2,5	2,5		4,26
1843	30,05	18,93	52	0	53		2	6,5	,5		,5	20	,5	15,5	14,5	3,5	4	,5	2,39
1844	38,65	28,20	52	8	44		5	7,5			,5	16,5	,5	22	8	5	2		4,77
1845	42,44	34,66	66	8	58	1	4,5	1	2,5	1	3,5	14,5	2	18	12	8	2		4,68
Mean.	38,60	30,87				,18	2,43	4,71	,86	,36	1,50	17,11	2,85	14,93	15,07				3,33
Total.						2,5	34	66	12	5	21	239,5	40	209	211				46,67

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	38,11	26,82	56	35	33		1	8		,5	2,5	11,5	7,5	19,5	11,5	1			,64
1829	37,36	37,31	54	15	39		3,5	8	1	1	2	14	1,5	10	21	2	1		2,20
1831	14,13	16,05	32	—	33		1	7,5			22,5			2	29		10,5		1,10
1832	31,24	24,93	39	8	31		3	8,5				16,5	3	4	27	3	2		3,51
1834	26,18	17,68	43	—	10		3	7	1,5		2	14,5	3	5	26	1,5	4,5	,5	2,31
1835	14,95	19,82	48	—	18		4,5	5,5	,5		,5	19,5	,5	10,5	20,5	1,5	5,5		,50
1836	29,43	18,42	48	—	4		2	3,5			2	18	5,5	13	18	1	3,5	2	6,90
1837	28,81	20,26	47	—	14		2,5	2,5	,5		,5	22	3	20	11	2,5	4	1	4,95
1838	21,25	15,31	39	—	10	1	1	2,5			,5	21,5	4,5	18	13	,5	6,5		3,45
1841	38,23	25,77	48	—	6		9	4	,5		3	14	,5	16,5	14,5	4,5	4,5		5,18
1842	25,96	19,46	45	—	8		4,5	4,5	2		1	15,5	3,5	15	16	,5	4,5		2,79
1843	7,64	15,78	30	—	25		3	7			1	20		17,5	13,5	2	3	,5	2,25
1844	27,15	23,24	42		24		4	6				21		18,5	12,5	4	3		2,27
1845	18,75	20,49	40	—	20	1	2,5	4,5	1		3	16	3	16	15	1	7		2,07
Mean.	25,66	21,53				,14	3,18	5,64	,50	,11	2,89	16,00	2,54	13,25	17,75				2,87
Total.						2	44,5	79	7	1,5	40,5	224	35,5	185,5	248,5				40,12

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	
	First Half.	Seco'd Half.																					
January. -	22.02	20.53	52	—80	82	,11	4.46	5.46	1.07	,32	2.60	15.92	1.71	N 77° 49' W	31	9.38	15.64	15.86				3.30	46.27
February. -	19.94	24.25	60	—22	82		3.21	5.50	,46	,07	1.57	16.86	1.11	N 81° 20' W	34	10.27	16.11	12.18				2.77	40.11
March. ---	30.08	32.93	75	—8	83	,11	2.59	6.54	,96	,14	2.07	17.07	1.22	N 55° 53' W	34	10.16	18.32	12.68				3.62	50.88
April. ----	41.21	44.97	93	6	87	,29	2.61	7.25	1.61	,18	2.28	14.14	1.64	N 58° 48' W	22	6.68	16.86	13.44				2.99	41.99
May. -----	52.06	59.26	92	24	68	,43	2.04	6.21	2.25	,54	2.79	14.78	1.94	N 54° 32' W	30	8.93	19.29	11.71				3.45	48.24
June. -----	65.47	66.27	96	30	66	,08	1.86	4.96	2.25	,36	2.99	16.29	1.32	S 80° 41' W	38	11.38	18.47	11.53				4.20	58.63
July. -----	68.99	69.01	95	42	53	,07	,96	2.64	1.43	,36	3.93	18.22	3.39	S 85° 26' W	66	19.94	20.46	10.54				4.01	56.09
August. ----	68.99	66.62	94	88	56	,24	1.79	2.39	3.00	,86	3.46	16.94	2.32	S 83° 11' W	57	17.68	20.04	10.96				3.14	44.02
September. -	61.31	55.13	92	25	67	,14	1.07	4.61	2.71	,72	2.43	15.21	3.11	S 84° 56' W	40	11.96	18.57	11.43				2.87	40.24
October. --	48.53	44.30	73	15	68	,57	2.29	3.93	1.82	,89	2.82	15.36	3.82	N 84° 43' W	44	13.28	18.43	12.57				3.28	45.96
November. -	38.60	30.87	74	—4	78	,12	2.43	4.71	,86	,36	1.50	17.11	2.85	N 81° 58' W	44	13.28	14.93	15.07				3.33	46.67
December. -	25.66	21.53	56	—25	81	,14	3.18	5.64	,50	,11	2.89	16.00	2.54	N 81° 43' W	39	11.73	13.25	17.75				2.87	40.12
Mean. ----	45.27	44.64				,19	2.39	4.99	1.58	,37	2.55	16.12	2.25	N 80° 07' W	39	11.74	17.53	12.91				3.32	46.62

Highest degree, June 25, 1829, - - - - - 96°
 Lowest degree, January 7, 1835, and January 29, 1844, - - - - - 80°
 Extreme range in 14 years, - - - - - 126°
 Greatest monthly range in April.
 Least monthly range in July.

Mean monthly range, 72½°.
 Driest month, February.
 Wettest month, June.
 Total fall of rain and snow in 14 years 46 feet 7,42 inches.

OBSERVATIONS AT JOHNSTOWN ACADEMY.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1828	27.58	31.60	34.40	40.98	57.17	70.33	68.20	71.93	55.97	46.69	37.91	31.96	47.89	96	3	93	61	December 31.	June 27.	October 12	November 16.
1829	20.58	18.35	29.98	42.95	61.26	64.76	65.98	65.24	55.51	52.19	38.18	37.33	46.02	99	-11	100	58	January 3.	May 27.	September 13.	November 14.
1831	19.30	20.59	37.16	48.61	59.29	71.05	69.04	69.24	60.29	50.11	31.82	15.30	46.00	96	-16	112	64	December 22.	June 11.	September 15.	November 22.
1832	23.15	22.31	31.04	43.71	53.96	65.70	68.22	63.94	53.40	49.43	37.92	28.08	45.90	94	-20	114	70	January 27.	July 4.	September 10.	November 22.
1834	17.30	21.33	47.47	57.54	79.62	79.73	08.67	56.59	21.43	34.33	48.21	93.45	43.93	93	-16	109	65	December 14.	July 26.	September 30.	November 12.
1835	18.25	17.34	30.21	41.14	55.23	64.60	67.60	61.95	53.70	49.51	34.47	17.41	42.64	87	-30	117	70	January 7.	June 4.	September 8.	November 12.
1836	20.94	13.95	22.01	38.62	57.26	62.88	70.64	63.88	59.33	40.76	34.07	23.92	42.31	92	-22	114	60	February 2.	July 8.	October 12.	
1837	14.31	22.79	25.83	39.77	52.43	64.26	70.70	65.24	58.66	45.78	36.91	24.53	43.43	99	-14	103	61	December 22.	June 30.	September 13.	November 13.
1838	26.16	13.79	35.74	46.86	53.59	60.40	70.74	71.32	63.42	45.62	30.30	18.28	44.59	95	-12	107	61	December 16.	July 1.	September 2.	October 26.
1841	27.80	24.13	31.15	35.27	53.89	69.72	66.78	67.48	56.54	45.17	37.64	32.00	46.38	94	-24	118	71	January 4.	July 24.	September 20.	October 30.
1842	27.21	33.07	39.76	48.98	53.82	62.20	68.47	68.03	56.36	45.75	32.40	22.71	46.55	95	-8	103	75	December 24.	July 1.	September 23.	November 12.
1843	26.79	16.04	23.59	44.23	57.57	55.48	69.96	71.64	62.32	45.04	24.39	11.71	42.40	94	-25	119	70	December 13.	July 8.	September 13.	October 18.
1844	5.78	23.26	32.85	52.37	57.73	65.25	68.95	63.04	61.70	44.59	33.42	25.19	44.95	93	-30	123	79	January 29.	August 1.	September 23.	November 26.
1845	22.67	22.09	33.87	42.08	51.80	63.76	67.69	69.15	54.02	47.11	39.55	19.62	44.82	94	-20	114	64	December 12.	July 13.	September 13.	November 8.
Mean.	21.28	22.11	31.50	43.08	55.65	65.16	69.00	67.80	58.24	46.59	34.39	23.61	44.91								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1828	6	14.5	112.5	14.5	8	20	157.5	33	N 81° 42' W	17	62.73	219	147	41	11	1
1829	4	33.5	83	10	16	39.5	118.5	60.5	N 75° 30' W	21	78.00	222.5	142.5	49	11	3
1831	1	23.5	50.5	8.5		14	245.5	22	N 84° 59' W	59	198.55	149.5	215.5	54	21	
1832	5.5	42.5	57.5	18.5	1.5	19.5	180	41	N 73° 30' W	35	127.45	107	259	61	24	2.5
1834	26	65	33.5	3	3	30.5	182	25	S 89° 56' W	31	114.17	164	201	54	16	2.5
1835	1	27	62.5	24.5	4	19.5	210.5	16	N 86° 45' W	41	149.01	175	190	55	22	5
1836		32.5	52.5	21	1.5	45	196.5	17	S 86° 14' W	42	152.89	212	154	42.5	16	4.5
1837	1.5	28.5	25.5	25	5.5	46	201	22	S 84° 48' W	50	179.75	244.5	120.5	50.5	15.5	2.5
1838	4	22	30	21	1	22	216.5	18.5	N 89° 40' W	59	214.75	262	103	40	18.5	1.5
1841	2.5	44.5	35.5	30.5	8	71	144	20	S 79° 03' W	42	151.89	229.5	135.5	41.5	20	1
1842	1	20	49.5	18.5	5	22	220	29	N 89° 22' W	50	179.34	243.5	121.5	38.5	16	2
1843	4	24.5	54.5	23	5	22	198.5	33.5	N 86° 52' W	41	149.98	240	125	38.5	21.5	1
1844	5	33.5	87.5	10.5	1	8.5	211	13.5	N 79° 51' W	30	109.64	231.5	134.5	80	19	
1845	2	29.5	54	15	1	27.5	218.5	17.5	N 88° 32' W	45	163.94	244.5	120.5	69	31	3
Mean.	2.36	28.57	59.29	19.57	4.32	29.67	195.00	26.95	N 88° 41' W	39	141.27	210.32	154.92			
Total.	33	402	830	274	60.5	407	2730	377.5				2944.5	2169.5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1828	2.99	2.57	8.19	2.88	4.82	4.39	5.18	2.95	4.12	2.00	4.66	.64	40.39	December.	July.
1829	4.11	2.51	2.15	4.49	2.63	3.84	3.63	1.61	3.49	3.10	2.83	2.20	86.59	August.	April.
1831	3.60	3.61	3.05	3.25	2.23	5.07	5.11	2.59	2.70	3.82	.75	1.10	36.88	November.	July.
1832	4.50	3.86	.80	.97	4.79	1.84	4.85	1.94	1.05	1.29	3.33	8.51	33.73	March.	May.
1834	2.10	1.71	2.62	3.39	3.67	3.52	3.87	1.54	3.25	4.26	1.70	2.81	35.14	August.	October.
1835	3.76	1.98	3.42	4.42	1.95	8.04	4.71	5.95	.71	2.11	3.46	.50	41.01	December.	June.
1836	1.90	2.80	8.24	2.87	1.99	3.84	3.75	1.50	2.74	3.84	2.03	6.90	37.40	August.	December.
1837	4.64	3.74	6.73	4.01	8.56	5.76	3.94	2.40	2.44	3.45	2.81	4.95	50.47	August.	May.
1838	4.88	3.60	5.47	2.02	4.53	5.45	2.26	7.43	1.61	3.26	5.68	3.45	49.63	September.	August.
1841	3.51	.87	3.90	2.84	2.89	3.65	3.18	2.77	4.48	1.14	3.32	5.18	87.23	February.	December.
1842	1.72	3.71	3.49	3.13	1.91	6.29	5.23	4.39	4.10	2.95	4.26	2.79	43.97	January.	June.
1843	1.16	1.25	3.83	2.35	1.95	3.44	2.12	3.17	2.96	4.74	2.39	2.25	81.16	January.	October.
1844	3.95	3.90	6.00	1.97	4.03	3.72	1.52	4.66	4.16	5.82	4.77	2.27	47.77	April.	March.
1845	3.45	4.00	3.44	2.90	2.20	2.93	3.70	1.07	1.88	3.64	4.68	2.07	86.05	August.	November.
Mean.	3.30	2.77	5.62	2.99	3.45	4.20	4.01	3.14	2.87	3.23	3.88	2.87	39.82		
Total.	46.27	40.11	50.88	41.99	45.24	58.63	56.09	41.02	40.24	45.96	46.67	40.12	557.42		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1828	5	23	7	12	29	4	30	7	13	27	25	9	26	11	24	18	1	30	10	16	4	18	3	31
1829	15	3	8	1	29	15	29	6	25	12	7	30	15	4	24	26	2	26	25	22	18	24	7	18
1831	4	23	16	5	25	8	14	9	31	9	10	5	30	10	21	29	11	30	2	28	11	30	24	22
1832	18	27	2	16	12	18	13	8	14	24	30	5 & 6	4	11	4	25	20	13	20	26	2	15	12	23
1834	18	23	23	7	19	3	16	27	24	16	9	2	26	30	11	28	4	29	18	26	11	15	2	14
1835	15	7	22	4	15	3	12	17	24	14	4	30	13	1	13	4	5	30	20	11	4	30	26	17
1836	5	16	23	2	29	3	26	11	23	4	8	20	8	17	12	20	19	29	1	26	11	25	13	30
1837	31	3	21	13	24	1	29	20	31	1	30	17	14	3	2	24	10	30	2	30	21	27	2	22
1838	17	30	8	26	24	2	29	20	21	3	10	2	2	24	23	27	22	1	1	31	4	25	2	16
1841	7	4	28	12	25	15	23	1	28	5	26	3	24	29	18	24	2	25	31	25	1	30	15	22
1842	20	23	2	17	4	12	22	1	18	9	15	11	20	7	15	1	3	22	1	21	1	29	4	24
1843	10	1	25	2	28	3	26	4	15	2	30	1	8	31	9	21	3	27	2	24	2	27	25	13
1844	17	29	21	18	12	5	13	1	26	21	25	10	30	4	1	11	20	29	26	31	4	27	7	20
1845	24	31	21	2	31	21	24	8	12	5	8	30	13	22	24	3	1	15	3	22	18	28	15	12

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1828	49	12	60	9	71	10	62	25	80	35	96	50	85	57	91	52	82	43	71	25	63	10	56	3
1829	45	—11	43	—9	52	9	73	28	89	31	89	45	88	48	87	40	36	37	69	27	60	18	54	15
1831	48	—16	47	—2	52	12	71	27	86	34	96	50	87	47	92	44	80	37	76	23	51	20	32	—3
1832	50	—20	44	—8	60	4	80	18	80	35	89	42	94	50	93	41	83	34	70	25	56	15	39	8
1834	44	16	52	—13	58	2	80	24	88	24	88	41	93	48	90	43	85	25	76	20	56	6	43	—10
1835	40	—30	44	—18	50	—8	67	23	83	33	86	45	87	48	77	40	83	26	70	22	60	4	48	—18
1836	37	—13	38	—22	51	—6	64	8	82	30	82	45	92	48	84	40	88	32	59	18	57	11	48	—4
1837	39	—14	41	—14	43	16	68	19	84	29	89	44	86	50	86	40	82	30	70	18	67	10	47	—14
1838	49	—12	39	—9	56	0	60	20	87	28	92	48	95	52	92	38	86	42	78	22	50	—4	39	—10
1841	47	—24	42	—1	54	—5	54	23	84	27	93	50	94	48	91	43	84	32	72	28	74	17	48	—6
1842	52	—8	55	—2	75	14	93	18	81	32	90	30	95	52	88	45	84	30	77	25	58	5	45	—8
1843	48	—6	35	—18	44	—5	76	6	92	30	86	43	93	45	94	50	92	32	68	22	52	0	30	—25
1844	30	—30	60	—7	56	4	85	6	92	26	93	38	88	42	88	46	87	26	68	23	52	8	42	2
1845	40	—18	48	—16	72	10	76	19	90	26	92	41	94	48	93	46	86	30	73	15	66	8	40	—20
Highest.	52		60		75		93		92		96		95		94		92		78		74		56	
Lowest.		—30		—22		—8		6		24		30		42		38		25		15		—4		—25
Range.		82		82		83		87		68		66		53		56		67		63		78		81

SUMMARY OF OBSERVATIONS AT KINDERHOOK ACADEMY,

KINDERHOOK, COLUMBIA COUNTY, N. Y., DURING 17 YEARS.

Latitude N. 42° 22'; Longitude W. 73° 43'. Elevation above tide 125 feet. On a plain, elevated 125 feet above the Hudson, on the east side of the river.

OBSERVER.

From 1830 to 1846, inclusive, SILAS METCALF, Principal.

JANUARY.																		
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]							WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]
	First Half.	Second Half.																
1830	28,12	15,90	42	—10	52	2	,5		1,5	9,5	3,5	3,5	10,5	14	17	1,5	8	,5
1831	23,35	14,36	57	—21	78	17,5	1			5	,5	2	5	14,5	16,5		5	
1832	23,78	22,17	50	—14	64	6		,5	2,5	11		1	10	14	17	1,5	4,5	2
1833	31,57	28,81	65	—	97	8,5			1	15	1,5	1	4	14	17	2,5	3,5	
1834	20,39	21,38	46	—	55	13				10	1,5		6,5	15	16	2,5	2	,5
1835	6,50	39,41	48	—24	72	12	,5		1,5	7	,5	8,5	1	17	14	4,5		
1836	28,11	15,70	45	—18	63	14,5	3,5	1		4,5			7,5	9	22	,5	6,5	1,5
1837	15,39	17,63	47	—12	59	5	2,5			6,5	,5	,5	16	11	20		6,5	
1838	34,26	26,36	56	—	56	10	1		1	14	2		3	10,5	20,5	1,5	2,5	1
1839	27,05	18,59	59	—11	70	11,5	1		1,5	9,5	1,5		6	9,5	21,5	2	6	
1840	12,91	16,69	42	—30	72	12	2	1,5	,5	7	,5	1,5	6	12,5	18,5	1,5	5,5	1
1841	24,47	29,83	50	—18	68	11			1,5	14,5	1,5	,5	2	10	21	3,5	5,5	1,5
1842	24,68	30,44	52	—	65	13			,5	14,5	1		2	15	16	3	5	1
1843	30,22	30,45	54	—14	68	13,5			,5	13			4	11,5	19,5	4	2	2
1844	17,76	10,42	42	—12	54	22,5				7	,5		1	16	15	5	10	2
1845	28,64	24,93	46	—	0	46	20,5			9		1,5		13	18	5	11	3
1846	30,21	18,19	45	—	7	52	20	1	,5	9,5				13	18	5	6	3
Mean.	23,97	22,43				12,50	,76	,21	,71	9,79	,88	1,09	5,06	12,91	18,09			
Total.						212,5	13	3,5	12	166,5	15	18,5	86	219,5	307,5			37,53

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1830	12,71	32,47	56	-14	70				,5	6,5	,5	2	18,5	13	15	1	2,5		,98
1831	15,69	24,16	47	-7	54	10,5	1		1	6,5		2,5	6,5	17,5	10,5	1,5	1,5	1	2,57
1832	25,33	21,40	49	-8	57	9			2	8,5	,5		9	9	20	5,5	2,5	1,5	3,08
1833	18,30	23,72	47	-14	61	9	,5		,5	7	2,5		8,5	14,5	13,5	1	3	,5	2,06
1834	28,71	37,35	58	-5	63	12		1	,5	10,5		1,5	2,5	11,5	16,5	3	2		,53
1835	13,77	27,24	48	-8	56	9	,5	,5		7,5	,5	2	8	7,5	20,5	1,5	3	,5	1,31
1836	12,21	21,07	49	-18	67	15	,5	1,5	,5	5,5	1,5	1	3,5	12,5	16,5	1,5	4,5	1,5	2,80
1837	21,33	23,48	46	-12	58	8	2		1,5	8,5	1,5	,5	6	10	18	1	5	1	,81
1838	18,84	11,89	44	-5	49	18,5	3	1	,5	3,5		,5	1	9,5	18,5		5,5		1,34
1839	19,86	35,44	51	-7	58	11			1	12	1,5	1	1,5	6	22	1,5	5	,5	,32
1840	25,48	37,83	68	-7	75	10	,5		,5	14			3	8	21	5	1	,5	1,79
1841	18,30	24,80	52	-14	66	9,5	,5		,5	11			6,5	15,5	12,5		4	,5	,39
1842	37,10	27,40	59	-4	55	12,5			1	10,5	1		3	12,5	15,5	3	2	2	2,35
1843	19,08	17,23	44	-13	57	16	,5	,5	,5	8,5			2	13	15		7,5	,5	2,03
1844	20,97	26,12	50	-8	58	18,5			,5	6,5	,5		3	15,5	13,5	3	10	2	,99
1845	14,53	39,73	62	-6	68	18,5			1,5	7	,5		,5	14	14	4	3	2	1,83
1846	23,62	17,65	48	-12	60	18,5	1,5			5	,5		2,5	16	12		6		,90
Mean.	20,34	26,41				12,09	,62	,26	,73	8,15	,71	,65	5,03	12,09	16,15				1,53
Total.						205,5	10,5	4,5	12,5	138,5	12	11	85,5	205,5	274,5				26,08

MARCH.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1830	31,06	43,29	65	10	55	1,5		,5	,5	10,5	,5	2	15,5	11,5	19,5	4	2,5	1	4,46
1831	38,21	41,28	64	13	51	6	,5		1,5	13,5	,5	,5	8,5	11,5	19,5	4,5	2,5	1	2,55
1832	34,41	34,19	69	4	65	8,5			1	11,5	1,5	1	7,5	17	14	4	1,5	2	3,76
1833	21,85	41,35	63	-6	69	8,5	1		2	8,5	1,5	1	8,5	18	13	2	3,5	,5	2,01
1834	35,85	35,46	68	10	58	12,5			1	12	2		3,5	17	14	3	2,5	,5	,82
1835	28,69	34,14	59	0	59	11	,5	1	1	9	1	2	5,5	16,5	14,5	1	4,5	,5	2,65
1836	22,83	30,41	48	-1	49	8	1		2,5	10	1,5	1,5	6,5	14,5	16,5	3	2		1,81
1837	24,26	33,63	54	-10	64	12,5		1	1	12			4,5	15	16	4,5	,5	3	4,24
1838	31,61	36,64	58	-3	61	15,5			2	9	,5		4	14	17		4	1,5	1,40
1839	29,65	36,46	68	-4	72	14				9,5	2,5		5	17	14	3,5	1,5	2	,60
1840	33,81	37,29	67	8	59	10	1,5		3,5	9,5		,5	6	12	19	4,5	5	,5	1,97
1841	28,25	33,77	64	1	63	18,5	1,5		1,5	6	1	1,5	1	16,5	14,5	2	4	1	1,33
1842	39,04	41,89	75	19	56	16,5	,5		1	12,5	,5			9,5	21,5	5,5	3	3	2,08
1843	21,76	28,61	51	0	51	15,5			,5	5	,5		9,5	15	16	1	7	,5	3,60
1844	36,72	32,28	60	6	54	18,5			,5	9	1		2	14	17	10	9	3	3,35
1845	38,46	40,11	76	18	58	12,5			1	14,5			3	18	13	3	3	4	2,79
1846	30,72	39,48	60	-3	63	16,5		,5	1,5	10,5	1		1	17,5	13,5	8	2		2,79
Mean.	31,01	36,49				12,12	,38	,16	1,29	10,15	,92	,59	5,39	14,97	16,03				2,48
Total.						206	6,5	3	22	172,5	15,5	10	91,5	254,5	272,5				42,21

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	47,84	56,09	84	24	60	7		4,5	4	6			8,5	18,5	11,5	5			2,59
1831	47,91	50,42	77	25	52	7,5	,5	,5	1	11,5		,5	8,5	13,5	16,5	9	,5		5,58
1832	40,44	46,19	84	16	68	7,5	2	,5	2,5	7	1	1	8,5	17	13	7		1,5	4,97
1833	48,65	51,39	88	22	66	9,5			,5	14,5	1	,5	4	18,5	11,5	4,5		,5	1,11
1834	48,84	45,99	83	21	62	16,5		1,5	1	10,5		,5		14,5	15,5	6	,5	,5	3,32
1835	44,35	42,33	72	27	45	5	,5	,5	1,5	10,5	1,5	2,5	8	11,5	18,5	5,5	2	3	3,74
1836	36,47	48,27	79	15	64	8,5	,5		2	9,5	2	,5	7	15,5	14,5	4,5	1,5	1	2,32
1837	39,62	43,55	76	21	55	13				7	,5	1,5	8	11	19	4		1,5	2,47
1838	38,87	48,05	71	16	55	14	1			8,5	,5	2	4	15,5	14,5	5	2,5	,5	1,81
1839	47,05	50,16	78	25	53	15,5	1	,5	,5	11,5		,5	,5	17	13	5,5		1	4,74
1840	43,40	53,87	83	24	59	6,5	1			15	,5		7	18,5	11,5	5	,5	,5	2,26
1841	36,76	47,49	74	22	52	17			2	10			1	10,5	19,5	7,5	,5		3,83
1842	42,58	51,07	84	15	69	12	,5	2	3	9	1,5		2	15	15	9		1	4,79
1843	40,33	51,58	72	14	58	16,5			4	9,5				13,5	16,5	6	1	2	3,84
1844	50,73	54,26	86	9	77	10,5	,5		1	15,5	,5		2	18,5	11,5	9			,86
1845	41,65	51,23	72	25	47	14			2	12			2	16	14	10	3	1	2,37
1846	44,24	53,01	86	22	64	13			,5	14	1		1,5	18,5	11,5	7		2	,81
Mean.	43,48	49,11				11,38	,44	,59	1,50	10,68	,59	,56	4,26	15,47	14,53				2,97
Total.						193,5	7,5	10	25,5	181,5	10	9,5	72,5	263	247				50,51
MAY.																			
1830	57,47	51,47	81	32	49	6,5	,5		1	14,5	1	2,5	5	17	14	4,5			4,08
1831	54,88	63,72	89	31	58	4	1,5	,5	1,5	12,5	2	,5	8,5	15	16	9	1		2,95
1832	56,09	52,79	82	35	47	11,5	,5		2	11			6	14,5	16,5	9			3,95
1833	58,36	66,45	86	31	55	8,5			2,5	15	1,5	,5	3	16	15	10			4,78
1834	47,35	63,54	91	27	64	9			1,5	15	1,5		4	14,5	16,5	7	,5		4,60
1835	50,77	63,01	87	30	57	5,5		1	,5	11		2	9	19	12	7			1,73
1836	57,80	59,50	87	27	60	10,5	2	5	1	11			1,5	18,5	12,5	6			1,72
1837	52,22	56,55	86	24	62	8,5	,5	1	3	11,5	2	1,5	3	15,5	15,5	8			6,17
1838	48,63	58,34	86	28	58	14	1		3	11			2	15	16	10			3,39
1839	52,75	60,34	84	29	55	18			1	11		,5	,5	15,5	15,5	10,5			5,08
1840	52,05	66,46	90	35	55	11,5	2,5		3,5	10	1,5	,5	1,5	19,5	11,5	6,5			1,36
1841	47,74	63,86	88	29	59	16	,5			13	,5		1	16,5	14,5	8	,5		1,86
1842	59,96	56,57	84	32	52	12	,5		1	13	1,5		3	16	15	7,5			1,10
1843	56,31	56,08	90	34	56	15,5			2,5	11,5	,5	1		19	12	6			2,15
1844	57,57	61,34	89	32	57	8			,5	19,5	1,5		1,5	14,5	16,5	16			5,84
1845	57,49	58,96	91	32	59	17,5				11	1,5	,5	,5	18,5	12,5	11			3,18
1846	60,73	61,92	87	37	50	10,5	,5		4,5	13	1		1,5	11,5	19,5	17			3,98
Mean.	54,07	60,05				11,00	,59	,44	1,71	12,61	1,06	,56	3,03	16,23	14,77				3,41
Total.						187	10	7,5	29	214,5	18	9,5	51,5	276	251				57,92

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	62,89	64,28	86	43	43	9,5		,5	,5	12		1	6,5	14,5	15,5	10			7,32
1831	71,86	67,17	91	42	49	7	,5	1	1	13,5	,5	,5	6	19,5	10,5	8,5			5,62
1832	62,44	68,28	90	42	48	12		,5	,5	14,5	,5	,5	1,5	21,5	8,5	5,5			4,01
1833	60,58	63,60	86	40	46	11,5				11	,5	1	6	17,5	12,5	6,5			3,23
1834	61,82	64,09	90	41	49	9,5	1,5		3,5	8,5	2		5	15	15	9			2,53
1835	67,87	63,88	88	41	47	6	,5	1,5	1,5	14	1,5	,5	4,5	14,5	15,5	9			9,70
1836	64,19	63,58	88	38	50	5	2,5	9	4,5	4,5	2		2,5	12,5	17,5	8			4,77
1837	65,75	63,65	88	47	41	7	,5		1,5	14	2	1	4	13	17	11			5,65
1838	68,72	69,03	93	45	48	11		,5	1,5	17				18	12	7			5,48
1839	60,07	63,56	84	42	42	15	2		1	9,5	,5	1	1	11	19	10			3,00
1840	62,54	69,16	96	42	54	12,5			1,5	11,5	1		3,5	16	14	8			2,78
1841	68,97	71,27	94	44	50	8			1	16	2	2	1	17,5	12,5	6			3,93
1842	59,00	64,19	88	33	55	10,5			1	16,5	1		1	14,5	15,5	9,5			3,72
1843	59,83	69,15	90	35	55	14			,5	15	,5			18	12	8,5			6,58
1844	61,75	71,26	90	40	50	11				17			2	17,5	12,5	11			4,18
1845	70,90	65,20	94	42	52	12	,5			15,5	,5		1,5	22	8	11			2,15
1846	67,18	67,24	92	46	46	11,5			1	17	,5			17,5	12,5	12			2,67
Mean.	64,49	66,38				10,18	,47	,76	1,21	13,35	,88	,44	2,71	16,47	13,53				4,55
Total.						173	8	13	20,5	227	15	7,5	46	280	230				77,35

JULY.																			
1830	68,63	76,10	94	50	44	7		2	2	8,5	3,5	1,5	6,5	18,5	12,5	6			2,34
1831	69,08	70,84	90	44	46	3,5	,5	,5		15	2	1,5	8	17	14	9			4,50
1832	67,32	67,14	90	49	41	7,5			,5	15,5	,5	,5	6,5	16	15	12			10,19
1833	68,95	68,41	91	52	39	9,5			1	10	2	1	7,5	19	12	9,5			4,71
1834	73,34	71,77	98	47	51	13,5	1			14	1		1,5	20	11	6,5			3,72
1835	69,45	69,54	92	45	47	7				16	1,5	1	5,5	15,5	15,5	10			4,03
1836	47,16	66,90	93	49	44	7	2		1,5	10	3,5	2	5	19,5	11,5	7			4,10
1837	66,25	67,26	90	48	42	12,5			1	8,5	3		6	18,5	12,5	7,5			2,62
1838	73,92	70,79	94	52	42	14,5	,5		1	13	,5		1,5	18,5	12,5	6,5			4,02
1839	67,61	73,61	92	55	37	8	,5		1	17	4		,5	15,5	15,5	11,5			6,57
1840	70,97	74,49	97	52	45	8			,5	15,5	1,5	1	4,5	18,5	12,5	4,5			3,04
1841	68,50	71,32	99	46	53	14,5	,5	,5		12	1,5	1	1	23	8	5,5			2,11
1842	70,69	67,57	93	51	42	12,5				17	,5	,5	,5	18,5	12,5	8,5			5,04
1843	68,24	68,90	95	50	45	14				11,5	1		4,5	21	10	7,5			3,67
1844	68,22	68,49	89	48	41	13				17	,5	,5		15	16	13			5,68
1845	71,81	71,72	102	50	52	14,5		,5	,5	11,5	1	1	2	23,5	7,5	9			2,77
1846	71,66	71,67	98	49	49	16	,5	,5	1	11	1		1	18,5	12,5	17			4,98
Mean.	68,34	70,38				10,77	,32	,24	,59	13,13	1,68	,68	3,59	18,59	12,41				4,35
Total.						182,5	5,5	4	10	223	28,5	11,5	62	316	211				74,09

AUGUST																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	70,25	67,75	93	46	47	17			1	9,5			3,5	19,5	11,5	2,5			,55
1831	68,65	70,59	91	43	48	8,5		1	,5	11	,5	1	8,5	20	11	7,5			6,04
1832	76,46	64,26	89	41	48	4,5		,5		18	3	,5	4,5	21	10	6			5,91
1833	67,98	64,04	86	42	44	12				15	,5	1	2,5	18,5	12,5	7,5			4,03
1834	74,24	63,55	95	42	53	17			1,5	11			1,5	20	11	3			,78
1835	64,44	66,76	88	40	48	7,5		,5	3	12,5	2,5	2	3	18	13	7,5			4,55
1836	64,55	62,03	89	38	51	9,5				14	1		6,5	17	14	3,5			2,83
1837	68,21	64,13	89	44	45	11,5			2	13	2,5	,5	1,5	13,5	17,5	10			2,08
1838	69,43	66,53	89	44	45	14,5	,5		1	14			1	21,5	9,5	5			4,17
1839	66,06	68,07	89	44	45	11,5	1	1,5	2	12	1,5		1,5	19,5	11,5	5,5			1,69
1840	68,97	71,08	95	50	45	10,5			1	15	2	1	1,5	15,5	15,5	8,5			4,20
1841	71,82	68,86	91	54	37	16	1	,5	1	10,5	,5	1	,5	16,5	14,5	9,5			3,86
1842	68,27	69,86	90	46	44	10			1,5	17			2,5	14,5	16,5	9,5			4,90
1843	69,29	70,51	88	51	37	21,5				7,5	1,5		,5	17,5	13,5	8,5			3,70
1844	70,55	66,28	90	48	42	12,5				18,5				21	10	13			2,69
1845	74,36	72,22	95	54	41	12,5			1	16	2,5			18,5	12,5	10			2,55
1846	74,03	69,03	97	48	49	14				14	,5		1,5	17,5	13,5	14			2,35
Mean.	69,87	67,38				12,38	,15	,23	,92	13,42	1,09	,42	2,39	18,21	12,79				3,35
Total.						210,5	2,5	4	15,5	228,5	18,5	7	40,5	309,5	217,5				56,88
SEPTEMBER.																			
1830	62,77	56,16	81	29	52	13,5		,5		10,5		1	4,5	15,5	14,5	3,5			2,11
1831	65,22	56,86	86	37	49	3,5		1		14,5	1,5	1	8,5	11,5	18,5	8,5			3,94
1832	57,44	62,25	85	36	49	8	1		1	12,5	,5	1	6	21	9	5,5			3,94
1833	57,62	57,78	83	37	46	12,5				11,5	3		3	19	11	5			3,79
1834	63,23	59,86	92	26	66	9,5				17	1		2,5	15,5	14,5	6			1,41
1835	59,66	51,50	87	27	60	8			1,5	15	2	,5	3	15,5	14,5	5			1,03
1836	61,52	59,79	90	35	55	7	,5	,5	1,5	14	1,5	1,5	3,5	10,5	19,5	7			1,75
1837	59,66	56,38	87	32	55	12,5			1,5	15,5	,5			22,5	7,5	4			,99
1838	60,96	58,91	82	44	38	16,5	2	1,5		8,5	1,5			17,5	12,5	6			4,78
1839	63,95	57,32	87	34	53	10,5			1,5	10,5	2,5		5	14,5	15,5	7			1,85
1840	60,36	55,32	82	35	47	17,5			,5	9	,5		2,5	17	13	7			4,43
1841	66,85	61,32	89	43	46	13	,5	1	,5	12,5	1		1,5	16,5	13,5	6,5			3,29
1842	64,70	51,25	89	31	58	16				10,5	,5	1	2	16,5	13,5	7			6,16
1843	63,54	60,69	92	31	61	14,5				13,5		,5	1,5	18	12	4			2,13
1844	66,42	55,85	89	31	58	15,5	,5		1	12,5		,5		25,5	4,5	5			2,45
1845	61,27	59,61	84	33	51	16			,5	13			,5	17,5	12,5	14			3,47
1846	74,10	59,88	95	38	57	12				18				22	8	9			,79
Mean.	62,91	57,65				12,12	,26	,26	,54	12,86	,95	,42	2,59	17,41	12,59				2,84
Total.						206	4,5	4,5	9,5	218,5	16	7	44	296	214				48,31

OBSERVATIONS AT KINDERHOOK ACADEMY.

221

OCTOBER.																				
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1830	53,24	49,25	75	26	49	9,5		,5	1	10	1,5	2,5	6	20	11	9			2,59	
1831	51,57	50,85	76	25	51	5,5	1,5		1,5	12		1	9,5	17,5	13,5	7			3,74	
1832	52,43	46,08	73	24	49	17,5	,5	1	,5	9,5			2	18	13	6			3,68	
1833	46,49	46,01	72	16	56	11,5		,5	,5	12	1	1,5	4	11,5	19,5	8		,5	7,76	
1834	50,15	40,58	74	21	53	12,5				13			5,5	14,5	16,5	6	,5	,5	4,03	
1835	47,17	55,98	78	26	52	7			1,5	21			1,5	16	15	6,5			1,38	
1836	44,01	36,77	65	19	46	17	1			9,5	1	2	,5	15	16	4	1	1	4,52	
1837	45,29	46,16	77	20	57	18,5		1		11			,5	16	15	6			2,04	
1838	51,61	40,10	74	27	47	9		,5		15	1,5	,5	4,5	12	19	10			3,65	
1839	51,21	48,37	76	24	52	16,5			1	13	,5			20	11	2,5			1,05	
1840	51,94	44,12	74	22	52	10	1	,5	2,5	12	,5	2,5	2	14	17	7	,5	1,5	3,51	
1841	44,70	42,33	72	31	41	20				9,5	,5	,5	,5	15,5	15,5	6,5		,5	1,29	
1842	50,61	44,70	72	18	54	15,5				,5	13		2	21,5	9,5	3,5			3,95	
1843	49,81	40,60	75	23	52	16,5				,5	11	1	,5	14	17	6,5	,5	1	5,05	
1844	48,85	46,08	72	27	45	18			1	8,5	1	1	1,5	13,5	17,5	12			3,83	
1845	58,18	43,32	76	18	58	12				16,5		,5	2	19	12	10	1		3,01	
1846	55,47	42,43	89	22	67	18				,5	11	1	,5	19,5	11,5	5	1		,26	
Mean.	50,16	44,93					13,79	,23	,23	,65	12,21	,56	,74	2,59	16,32	14,68			3,25	
Total.							234,5	4	4	11	207,5	9,5	12,5	44	277,5	249,5			55,34	

NOVEMBER.																				
1830	46,66	40,85	64	29	85	15	2,5	2		,5	4	,5		5,5	8,5	21,5	6	1	1	4,22
1831	40,64	33,85	52	18	34					7	1	2,5	19,5	11	19	3	2	1	2,51	
1832	46,97	37,44	58	18	40	7,5		1		12	1,5	,5	7,5	15,5	14,5	4,5	1	2	3,93	
1833	41,12	31,37	65	15	50	12	,5	,5		11,5	,5	1	4	14,5	16,5	3,5	3,5	1	1,10	
1834	39,08	33,76	61	11	50	14,5	,5			7	,5	1	6,5	11,5	18,5	4	,5	,5	1,07	
1835	43,97	31,45	68	4	64	10,5	,5	,5		14,5		,5	3,5	9,5	20,5	5	1	5	1,91	
1836	39,07	31,68	65	9	56	8,5	,5	1	1,5	7	3	3	5,5	11,5	18,5	4,5	1	,5	1,75	
1837	37,66	37,49	73	5	68	15,5				11	1,5	,5	1,5	12,5	17,5	2,5	1		,85	
1838	40,21	26,18	62	0	62	15	1			,5	11,5	1	1	12	18	6	1	,5	2,97	
1839	36,88	31,25	59	10	49	9,5	1,5		1	7	3	1	7	12	18	5	,5	,5	3,30	
1840	49,99	33,64	58	20	38	19,5	,5			,5	8		,5	1	13,5	16,5	5	1,5	,5	3,19
1841	41,15	31,20	71	14	57	18		,5		,5	5,5		5,5	9	21	5	3,5	1,5	3,12	
1842	39,15	30,60	55	10	45	17				,5	9,5	1,5	1,5	16,5	13,5	5	1	,5	2,75	
1843	31,19	37,81	60	13	47	19,5	,5			8	1		1	11	19	4,5	3	1	2,22	
1844	41,40	38,48	60	12	48	15	,5			,5	12	,5	1,5	15	15	8	1		2,01	
1845	51,58	38,01	70	10	60	12	1			16	,5		,5	10,5	19,5	8	1	2	4,80	
1846	51,71	38,29	70	22	48	17,5		1,5	3	7			1	6,5	23,5	11	2	1	4,08	
Mean.	42,26	34,31					13,32	,57	,41	,50	9,30	,94	,63	4,33	11,76	18,34			2,69	
Total.							226,5	9,5	7	8,5	158,5	16	10,5	73,5	200	310			45,78	

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	33,45	29,67	57	—	9 66	11		,5	1	10	,5	2	6	8,5	22,5	4,5	2	2	4,57
1831	12,17	14,52	37	—	8 45	5	,5	1	,5	5,5	2,5	3	13	13,5	17,5		8	,5	,70
1832	34,79	20,44	46	—	1 47	17,5	,5		1,5	9	,5	,5	1,5	12,5	18,5	3	3,5	3	2,69
1833	27,69	30,00	44	—	9 35	18	2	3,5	1,5	3	,5	,5	2	11	20	,5	4	1	3,63
1834	29,78	20,10	52	—	12 64	19	1	,5	,5	6,5	1,5	2	2	6	25	1,5	7	,5	2,02
1835	17,83	21,25	38	—	17 55	7			,5	11,5	1		11	7	24	2,5	5	,5	1,24
1836	30,41	20,61	52	—	8 60	6				12	5	2	6	12	19	2,5	1,5	3	5,24
1837	29,98	23,08	56	—	7 63	16	1	1,5	,5	9,5	,5		2	11	20	2	2,5		2,10
1838	24,08	18,15	43	—	4 47	9,5			2	13	3,5	,5	2,5	8,5	22,5		4,5		,21
1839	34,38	20,55	46	—	1 47	20	3,5	2	,5	2,5	,5		2	12,5	18,5	2	5,5	,5	4,32
1840	26,53	21,63	44	—	0 44	14,5	1		1	11,5			3	8	23	1	6	,5	3,13
1841	35,83	23,14	50	—	5 55	16,5	1		,5	9,5			3,5	8,5	22,5	5	3,5	1	3,82
1842	27,10	22,06	46	—	5 51	17,5	,5			10,5	1		1,5	10,5	20,5	1	5	2	3,08
1843	25,38	32,65	44	—	4 48	16			2	14	,5		,5	7,5	23,5		6	1,5	1,86
1844	30,15	27,33	48	—	2 50	17,5				10			1,5	9,5	21,5	7	8	4	3,65
1845	19,92	22,80	42	—	12 54	17,5				10	1	,5	2	13	18	2	7	5	2,52
1846	26,18	26,55	46	—	1 47	22,5			,5	7,5	,5			15,5	15,5	4	10	4	2,06
Mean.	27,39	23,21				14,76	,65	,53	,73	9,15	1,12	,53	3,53	10,29	20,71				2,75
Total.						251	11	9	12,5	155,5	19	9	60	175	352				46,84

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.	
	First Half.	Seco'd Half.																					
January, --	23.97	22.43	65	—	95	12.5	.76	.21	.71	9.79	.88	1.09	5.06	N 54° 53' W	23	7.62	12.91	18.09				2.21	37.53
February, --	20.34	26.41	68	—	18	86	12.09	.62	.26	.73	.15	.71	.65	5.03	N 26° 46' W	26	7.74	12.09	16.15			1.53	26.08
March, ---	31.01	26.49	76	—	10	86	12.12	.38	.16	1.29	10.15	.92	.59	5.39	N 39° 53' W	19	5.82	14.97	16.08			2.48	42.21
April, ----	43.48	49.11	86	9	79	11.38	.44	.59	1.50	10.68	.59	.56	4.26	N 33° 46' W	11	3.29	15.47	14.53			2.97	50.51	
May, -----	54.07	60.05	91	24	67	11.00	.59	.44	1.71	12.61	1.06	.56	3.03	S 54° 17' W	6	1.71	16.23	14.77			3.41	57.92	
June, -----	64.49	66.38	96	33	63	10.18	.47	.76	1.21	13.35	.88	.44	2.71	S 22° 43' W	9	2.66	16.47	13.53			4.55	77.35	
July, -----	68.34	70.38	102	41	61	10.77	.32	.24	.59	13.13	1.68	.68	3.59	S 64° 37' W	9	2.80	18.59	12.41			4.35	74.09	
August, ----	69.87	67.38	97	38	59	12.38	.15	.23	.92	13.42	1.09	.42	2.39	S 70° 46' W	7	2.61	18.21	12.79			3.25	56.83	
September, --	62.91	57.65	95	26	69	12.12	.26	.26	.54	12.56	.95	.42	2.59	N 84° 01' W	7	2.11	17.41	12.59			2.84	48.31	
October, ---	50.16	44.93	89	16	73	13.79	.23	.23	.65	12.21	.56	.74	2.59	N 37° 43' W	11	3.44	16.32	14.68			3.25	55.34	
November, --	42.26	34.51	73	4	69	13.32	.57	.41	.50	9.30	.94	.63	4.33	N 26° 16' W	24	7.19	11.76	18.34			2.69	45.18	
December, --	27.39	23.21	57	—	74	14.76	.65	.53	.73	9.15	1.12	.53	3.53	N 17° 45' W	25	7.64	10.29	20.71			2.75	46.84	
Mean. ----	46.52	46.56				12.20	.45	.36	.92	11.23	.95	.61	3.71	N 45° 13' W	12	3.62	15.06	14.34			3.03	51.57	

Highest degree, July 21, 102°.
 Lowest degree, January 16, 1840, —30.
 Extreme range in 17 years —132.
 Greatest monthly range in January.
 Least monthly range in August.

Mean monthly range, 74°.
 Driest month, February.
 Wettest month, June.
 Total fall of rain and snow in 17 years, 51 feet 6.84 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1830	22.01	22.59	37.17	51.71	54.47	63.58	72.86	69.00	59.46	51.25	43.75	31.56	48.24	94	-14	108	70	February 7,	July 21,	September 18,	November 25.
1831	18.55	19.92	39.74	49.16	59.30	69.51	69.96	69.62	61.04	51.21	37.24	13.84	54.90	91	-21	112	78	January 21,	August 21,	October 1.	November 22.
1832	22.97	23.86	34.30	48.31	54.39	65.36	67.23	67.86	59.94	49.25	42.20	26.61	46.43	90	-14	104	68	January 26,	July 2,	September 15,	November 14.
1833	24.19	21.01	31.61	60.50	62.40	62.09	68.68	66.01	57.70	46.35	36.24	28.44	46.55	91	-14	105	74	February 1,	July 22,	September 1,	October 20.
1834	20.58	33.08	35.65	47.41	55.44	62.95	72.55	68.89	61.54	45.36	36.42	24.94	47.08	98	-12	116	64	December 14,	July 8,	September 29,	October 30.
1835	19.70	20.00	31.39	43.33	56.89	65.87	69.49	65.60	55.58	51.57	37.71	19.54	44.72	92	-24	116	72	January 4,	June 12,	September 15,	November 18.
1836	21.90	16.64	26.62	42.37	58.65	63.88	70.53	63.29	60.65	40.39	35.37	25.51	43.81	93	-18	111	67	February 5,	July 8,	October 9,	October 12.
1837	16.51	22.40	28.94	41.58	54.38	64.70	66.75	66.17	58.02	45.72	37.57	26.53	44.10	90	-12	102	68	February 13,	August 9,	November 25.	
1838	30.51	18.36	34.12	38.46	53.48	68.87	72.85	67.98	59.93	45.85	33.19	21.11	45.08	94	-5	99	62	January 31,	July 28,	October 8,	November 7.
1839	22.82	27.65	33.05	48.60	56.54	61.81	70.61	67.06	60.63	49.79	34.08	27.46	46.67	92	-11	103	72	January 23,	July 26,	September 14,	November 6.
1840	14.80	31.65	35.55	4.63	59.25	65.95	72.73	70.02	57.84	48.05	41.81	24.08	47.44	97	-30	127	75	January 16,	July 17,	September 13,	October 25.
1841	27.15	21.55	31.01	42.12	55.80	70.12	69.91	70.34	64.08	43.51	36.17	29.48	46.77	99	-18	117	68	January 4,	July 25,	October 1,	October 18.
1842	27.56	32.25	40.46	46.82	53.76	61.59	69.13	69.06	57.97	47.65	34.87	24.58	47.14	93	-6	99	69	January 13,	July 24,	September 23,	November 16.
1843	30.33	18.15	25.18	45.95	59.19	64.49	68.57	69.90	62.13	45.20	34.50	29.01	45.80	95	-14	109	68	February 17,	July 2,	September 13,	October 22.
1844	14.09	23.54	34.50	52.49	59.95	66.50	68.35	68.41	61.13	47.46	39.94	23.74	46.25	90	-12	102	77	January 27,	August 9,	September 28,	November 23.
1845	26.78	27.13	39.28	46.44	53.22	68.05	71.76	73.29	60.44	50.70	44.79	21.86	49.02	102	-12	114	68	December 13,	July 21,	September 13,	October 21.
1846	24.20	20.33	35.10	48.62	61.82	67.21	71.66	71.53	66.99	48.95	45.00	26.37	45.93	98	-12	110	67	January 1,	July 10,	September 29,	October 31.
Mean.	22.89	23.38	33.74	46.29	57.26	65.44	70.15	68.47	60.30	47.54	38.28	25.30	47.00								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direc- tion.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1830	103	3.5	11	13.5	111.5	8.5	17.5	96.5	N 55° 52' W	23	83.03	179	186	57.5	16.5	4.5
1831	78.5	7.5	5.5	8.5	127.5	11	16.5	110	N 73° 39' W	24	89.14	182	183	69.5	20.5	3.5
1832	117	4.5	4	14	140	9.5	6.5	70.5	N 73° 45' W	15	47.90	197	169	69.5	13	12
1833	131	4	4.5	9.5	134	16	9	57	N 65° 38' W	15	53.53	191.5	173.5	60.5	17.5	4.5
1834	158.5	4	3	9.5	135	11	3	41	N 33° 42' W	13	49.06	175	190	57.5	15	3.5
1835	95.5	3	5.5	12.5	149.5	14	21.5	63.5	S 51° 36' W	15	53.48	167.5	197.5	65	16.5	10.5
1836	117.5	14	18	15	111.5	22	12.5	55.5	N 53° 66' W	13	49.23	168	198	62	18	8.5
1837	140.5	6.5	4.5	12	128	14.5	6	53	N 45° 15' W	14	51.85	169.5	195.5	60.5	15.5	5.5
1838	162	10	3.5	12.5	138	11	3.5	24.5	N 45° 34' W	4	12.89	172.5	192.5	57	20	3.5
1839	161	10.5	4	12	125	18	4	30.5	N 22° 44' W	13	47.44	170	195	66.5	18.5	4.5
1840	142.5	10	2	15.5	138	9	7.5	41.5	N 44° 30' W	9	33.05	173	193	63.5	20	5
1841	178	5.5	2.5	9	130	8.5	6.5	25	N 16° 57' W	16	59.11	175.5	189.5	65	21	6.5
1842	165	2	2	10	153.5	10	1.5	21	N 45° 40' W	5	18.21	180.5	184.5	72	16	9.5
1843	193	1	.5	9	128	6.5	2	25	N 78° 34' W	20	73.41	179	186	58.5	27	8.5
1844	180.5	1.5	.5	7	153	6	2	16	N 21° 39' W	9	31.15	195.5	170.5	112	38	11
1845	179.5	1.5	.5	5.5	152	7.5	2.5	16	N 24° 00' W	9	33.58	203.5	161.5	97	29	17
1846	190	3.5	3	13.3	137.5	7		10.5	N 3° 14' E	13	46.98	193.5	171.5	109	27	10
Mean.	146.65	5.44	3.76	11.09	134.82	11.18	7.18	45.12	N 44° 45' W	12	44.80	180.74	184.51			
Total.	2493	92.5	64	188.5	2292	190	122	767				3077.5	8136.5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1830	1.11	.93	4.46	2.59	4.08	7.32	2.34	.55	2.11	2.59	4.22	4.57	36.92	August.	June.
1831	2.12	2.57	2.55	2.59	2.95	5.62	4.50	6.04	8.94	2.74	2.51	.70	42.82	December.	August.
1832	4.22	3.03	3.76	4.07	3.95	4.04	10.19	5.91	8.94	3.63	3.93	2.69	53.46	December.	July.
1833	1.65	2.06	2.01	1.11	4.78	3.23	4.71	4.03	3.79	7.76	1.10	3.63	39.86	November.	October.
1834	1.12	.53	.82	3.32	4.60	2.53	3.72	.78	1.41	4.03	1.07	2.02	25.45	February.	May.
1835	3.73	1.31	2.65	3.74	1.73	9.70	4.03	4.55	1.03	1.33	1.91	1.24	37.00	September.	June.
1836	2.33	2.80	1.81	2.32	1.72	4.77	4.10	2.83	1.75	4.52	1.75	5.24	35.94	May.	December.
1837	1.10	.81	4.24	2.47	6.17	5.65	2.62	2.08	.99	2.04	.55	2.10	31.12	February.	May.
1838	1.33	1.34	1.40	1.81	3.39	5.43	4.02	4.17	4.78	3.65	2.97	.21	34.55	December.	June.
1839	1.63	.32	.60	4.74	5.03	3.00	6.57	1.69	1.55	1.05	3.30	4.32	34.15	February.	July.
1840	1.75	1.79	1.97	2.26	1.36	2.73	3.04	4.20	4.43	3.51	8.19	3.18	32.41	May.	September.
1841	4.81	.39	1.33	3.33	1.86	2.93	2.11	3.86	3.29	1.29	3.12	3.82	33.63	February.	January.
1842	1.05	2.35	2.03	4.79	1.10	3.72	5.04	4.90	6.16	3.95	2.75	3.08	40.97	January.	September.
1843	1.67	2.03	3.60	3.34	2.15	6.55	3.67	3.70	2.13	5.05	2.22	1.83	38.50	January.	June.
1844	2.16	.99	3.35	.86	5.94	4.13	5.63	2.69	2.45	3.33	2.01	3.65	27.69	April.	May.
1845	3.03	1.83	2.79	2.37	3.13	2.15	2.77	2.55	3.47	3.01	4.80	2.52	34.47	March.	November.
1846	2.72	.90	2.79	.31	3.93	2.67	4.93	2.35	.79	.26	4.03	2.06	23.39	October.	July.
Mean.	2.21	1.53	2.43	2.97	3.41	4.55	4.35	3.85	3.94	3.25	2.69	2.75	35.81		
Total.	37.53	26.08	42.21	50.51	57.92	77.35	74.09	56.88	48.31	55.34	45.73	46.84	603.83		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1830	16	30	20	6	30	9	22	4	5	22	15	21	21	9	7	13	13	18	14	26	1	30	30	22
1831	4	21	16	6	25	17	15	12	30	9	11	24	31	11	21	28	11	30	3	29	11	30	24	22
1832	19	26	12	24	25	18	26	6	14	24	15	5	3	14	14	25	20	13	20	29	21	15	8	23
1833	5	19	18	1	21	5	29	15	18	3	22	9	22	3	7	29	20	13	17	31	9	4	31	30
1834	17	24	23	12	20	22	14	27	26	15	23	3	8	30	12	27	4	29	2	15	10	15	2	15
1835	25	6	22	4	16	3	20	18	20	14	12	21	13	1	13	31	6	30	19	25	9	29	26	16
1836	13	16	24	5	30	12	26	11	3	14	18	20	8	17	8	31	14	28	2	31	12	26	10	30
1837	31	14	27	18	28	3	29	4	31	1	2	17	1	9	9	5	11	24	24	30	21	28	2	22
1838	5	31	8	2	24	2	6	17	22	3	11	3	28	22	6	26	22	2	2	8	13	25	5	31
1839	12	23	26	10	27	4	26	9	25	4	8	14	30	6	21	30	9	28	9	20	15	22	8	21
1840	30	16	23	4	29	11	26	7	18	5	30	8	17	20	22	26	9	13	6	16	9	21	15	25
1841	7	4	28	12	26	17	24	11	24	2	30	3	25	3	4	23	4	30	30	27	1	30	4	22
1842	30	13	4	15	4	23	22	1	11	21	16	11	24	11	26	1	12	23	9	27	6	29	9	24
1843	8	4	11	17	28	3	22	3	15	2	27	1	29	6	27	1	4	28	2	24	18	6	20	13
1844	13	27	22	11	13	5	14	1	20	22	19	8	10	4	9	22	11	29	26	28	8	28	7	29
1845	24	19	21	1	31	16	28	8	12	8	9	30	21	4	9	29	2	22	12	22	1	29	15	13
1846	30	18	6	26	25	1	30	2	26	19	18	22	10	15	6	19	7	16	8	19	3	25	3	16

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	
1830	42	—10	56	—14	65	10	84	24	87	32	86	43	94	50	93	46	81	29	75	26	64	29	57	—9	
1831	57	—21	47	—7	64	13	77	25	89	31	91	42	90	41	91	43	86	37	76	25	52	18	37	—8	
1832	50	—14	49	—8	69	4	81	16	82	35	90	42	90	49	89	41	85	36	73	24	58	18	46	—1	
1833	65	—9	47	—14	63	—6	88	22	86	31	86	40	91	52	86	42	83	37	72	16	65	15	44	9	
1834	46	—5	58	—5	68	10	83	21	91	27	90	41	98	47	95	42	92	26	74	21	61	11	52	—12	
1835	48	—24	48	—8	59	0	72	27	87	30	88	41	92	45	88	40	87	27	78	26	68	4	38	—17	
1836	45	—18	49	—18	48	—1	79	15	87	27	88	38	93	49	89	38	90	35	65	19	65	9	52	—8	
1837	47	—12	46	—12	54	—10	76	21	86	24	88	47	90	48	89	44	87	32	77	20	73	5	56	—7	
1838	56	—5	41	—5	58	—3	71	16	86	28	93	45	94	52	89	44	82	44	74	27	62	0	43	—4	
1839	59	—11	51	—7	68	—4	78	25	84	29	84	42	92	55	89	44	87	34	76	24	59	10	46	—1	
1840	42	—30	68	—7	67	8	83	24	90	35	96	42	97	52	95	50	82	35	74	22	58	20	44	0	
1841	50	—18	52	—14	64	1	74	22	88	29	94	44	99	46	91	54	89	43	72	31	71	14	50	—5	
1842	52	—6	59	4	75	19	84	15	84	32	88	33	93	51	90	46	89	31	72	18	55	10	46	—5	
1843	54	—14	44	—13	51	0	72	14	90	34	90	35	95	50	88	54	92	31	75	23	60	13	44	—4	
1844	42	—12	50	—8	60	6	86	9	89	32	90	40	89	48	90	48	89	31	72	27	60	12	48	—2	
1845	46	0	62	6	76	18	72	25	91	32	94	42	102	50	95	54	84	33	76	18	70	10	42	—12	
1846	45	—7	48	—12	60	—3	86	22	87	37	92	46	98	49	97	48	95	38	89	22	70	22	46	—1	
Highest.	65		68		76		88		91		96		102		97		95		89		73		57		
Lowest.		—30		—18		—10		9		24		33		41		38		26		16		0		—17	
Range.		95		86		86		79		67		63		71		59		69		73		73		74	

SUMMARY OF OBSERVATIONS AT KINGSTON ACADEMY,

KINGSTON, ULSTER COUNTY, N. Y., DURING TWENTY YEARS.

Latitude N. 41° 55'; Longitude W. 74° 02'. Elevation above tide 188 feet. On an extensive plain, 188 feet above the Hudson River, on the west side.

OBSERVERS.

1829, 1830, not stated.
1831, R. B. HUBBARD, Principal.
1832, C. S. VAN GAASBECK and H. HURLBUT.
1833, HENRY HURLBUT and R. B. HUBBARD.
1834, R. B. HUBBARD and I. A. BLAUVELT, Principals.
1835 to 1840, inclusive, ISAAC A. BLAUVELT, Principal.

1841, not stated.
1842, CHARLES L. HUNGERFORD and J. NICHOLS.
1843, CHARLES L. HUNGERFORD, Principal.
1845, '6, '7, FRANCIS H. WELLS, Principal.
1848, '9, WILLIAM McGEORGE, Principal.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	22,86	28,87	54	— 5	59	1	11	1	5	1,5	7,5		4	12,5	18,5	2	3	2	4,53
1830	31,43	19,51	48	— 2	50		4,5		1,5	1	12,5	,5	11	15	16	2	6		1,93
1831	27,18	20,86	48	— 8	56	1	5		,5	6	2,5	2	14	20	11	2	3		3,66
1832	25,58	24,44	53	— 0	53	1	,5	3		5	3,5	5,5	12,5	21	10	3	3		5,26
1833	34,69	32,90	64	— 4	68	1,5	4	2	4	,5	2,5	5	11,5	17	14	1	2	,5	4,92
1834	23,26	24,97	46	— 1	45	1,5	5,5		3,5	2,5	2	1	15	18,5	12,5	3,5	1	,5	2,85
1835	10,75	36,53	52	— 30	82	4	13	1	,5	2	6	1	3,5	21	10	4	1		3,94
1836	30,47	18,40	47	— 15	62	2,5	15		1	1	5,5		6	15,5	15,5	1,5	6,5		3,15
1837	17,99	20,62	40	— 13	53	2	10		,5	1	5,5	1	11	17	14	1	2,5		1,15
1838	37,61	31,71	50	— 1	49	2,5	3,5		,5	4	9,5	2,5	8,5	21,5	9,5	2,5	1		2,08
1839	31,79	25,13	49	— 9	58	2	11,5		1,5	3,5	4		8,5	18	13	1	3	,5	2,45
1840	28,89	21,21	44	— 20	64	1,5	13	1	1,5	1	8,5	2	2,5	19	12	2	4		1,95
1841	31,09	30,16	49	— 19	68	1	10,5				13,5	2	4	13,5	17,5	4,5	5		4,73
1842	28,50	35,07	56	— 2	54	,5	,5	,5	2,5	3,5	10	10	3,5	26	5	1	1,5		3,24
1843			69	— 10	79	5	4				3	6,5	12,5	21,5	9,5	2,5	,5		
1845	29,94	28,06	50	— 3	47	2,5	13,5		1	1	8,5		4,5	11,5	19,5	3	2,5		4,30
1846	32,50	23,66	49	— 5	54	2	7,5		2	3	8	,5	8	11,5	19,5	1	1	2	2,95
1847	31,20	23,83	56	— 7	49	1,5	9	,5	,5		14		5,5	14,5	16,5		11	1	3,60
1848	28,16	32,06	56	— 12	68	2,5	9,5		,5	,5	13,5		4,5	16	15	2	1		2,70
1849	20,92	30,30	50	— 8	58	,5	4		10,5		6,5		9,5	23,5	7,5	6	1		2,65
Mean	27,62	26,75				1,80	7,75	,45	1,85	1,85	7,33	1,97	8,00	17,70	13,30				3,26
Total.						36	155	9	37	37	146,5	39,5	160	354	266				62,04

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1829	21,92	21,63	42	-12	54		7		6				15	17	11		4		3,06
1830	15,52	36,17	58	-13	71		6	,5	3	,5	8	2	8	17,5	10,5		1		1,07
1831	20,37	26,49	45	-12	57	1,5	1,5			2,5	4	11	7,5			4	2		4,38
1832	30,37	25,97	49	0	49	2,5	3,5	1,5	1,5	2,5	2,5	13	2	12	17	3,5	3,5		4,15
1833	25,24	32,01	49	-4	53		11,5	5	2	2	2	3	4,5	13,5	14,5		3		3,19
1834	31,95	38,78	53	2	51			,5	9,5	2	3,5	1	11,5	16,5	11,5	1	1,5		1,41
1835	19,46	31,16	46	-3	49	1,5	9,5			3,5	5	2,5	6	12	16	2	4	,5	1,20
1836	14,81	22,33	52	-22	74	,5	16,5	1	1	1	3,5	,5	5	17,5	11,5	2	6,5		1,95
1837	24,33	28,84	53	-10	63	2,5	7	,5	1,5	,5	8	2,5	5,5	16,5	11,5	1	3,5		,80
1838	23,52	17,49	47	-3	50		13,5				4,5	2,5	7,5	15	13	1	4		1,50
1839	25,22	39,33	56	2	54	2,5	7	2,5	3	5,5	2,5	1,5	3,5	12,5	15,5	1,5	1	,5	1,60
1840	28,66	39,78	64	-2	66	2	8	1,5	,5	4	9	1	3	16	13	3	1		1,52
1841	20,31	29,68	48	-4	52		10,5				7,5		10	19	9	1	1		,85
1842	38,00	34,00	57	18	39	2,5	1,5	1,5	6,5	6	4	5,5	,5	21,5	6,5	3	3	2	2,30
1843			61	0	61	1,5	6,5	2	,5	1	2,5	3,5	10,5	13,5	14,5		4,5		
1845	59,99	40,38	62	-5	67	3,5	9		1,5	1	6		7	19,5	8,5	1,5	1,5		3,70
1846	26,85	19,26	48	-10	58	1	9,5	1,5	1	3	6,5		5,5	15	13		4		1,00
1847	29,55	23,96	50	-12	62	,5	16		,5		7	1	3	8	20	1	7		4,40
1848	21,88	29,05	48	-5	53	1,5	13				6,5	1,5	6,5	17	12		4		2,50
1849	25,87	20,79	46	-18	64	4	15		3,5		3,5		2	16,5	11,5		8		1,55
Mean.	26,52	29,32				1,37	8,60	,90	2,07	1,65	4,80	2,60	6,20	15,58	12,63				2,21
Total.						27,5	172	18	41,5	33	96	52	124	296	240				42,13

MARCH.

1829	33,48	27,95	64	14	50	,5	6,5	,5	1,5		7,5	5	9,5	19,5	11,5	2	2		3,60
1830	36,45	44,31	64	18	46		4,5		,5	1,5	16,5	1,5	5,5	22,5	8,5	2,5	2		3,76
1831	37,25	42,18	75	21	54	2,5	,5	1,5	1	2,5	3	15	5	21,5	9,5	3	1		3,62
1832	36,17	37,48	74	10	64	1	,5	1	,5	12	3,5	9,5	3	22,5	8,5	3	1		2,86
1833	28,44	43,40	59	0	59	,5	4	4	6,5		4	4,5	7,5	21	10	2	1		2,82
1834	39,96	42,03	62	16	46		3		3	1	5,5	1	17,5	23	8	1	1		2,92
1835	32,54	38,27	58	10	48	4,5	8,5	,5	,5	4	6,5	3,5	3	18,5	12,5	1,5	1,5	1,5	2,33
1836	26,88	32,17	54	0	54	2,5	5	1	2,5	9	2,5	8,5	20	11	3,5	2			1,54
1837	29,47	38,32	56	-5	61	5,5	8,5	1	1	5	7	1	2	17	14	8	,5		5,75
1838	35,09	40,54	63	0	63	1	16,5		1	7,5	3	2	18,5	12,5		4	1,5		2,28
1839	36,23	42,80	77	1	76	2	8	1	3	1,5	5	3,5	7	21	10	3	1		1,38
1840	39,84	41,20	67	14	53	,5	10,5	1	,5	3	6,5	3	6	13,5	17,5	2,5	3,5		3,03
1841	31,22	37,45	60	12	48	3	16		,5	8,5	1	2	18	13	2,5	2,5			2,05
1842	42,13	45,13	73	24	49	1	2,5	2,5	5	6	3,5	5	5,5	22	9	1	2		2,15
1843			46	0	46	1	9		,5		1	1	18,5	20	11	1	3		
1845	40,14	43,08	78	9	69	,5	7	,5	1,5		12		9,5	18	13	1,5	1,5	,5	3,80
1846	32,01	41,37	60	0	60		11,5		2	3	10,5		5	19,5	11,5	4	1		4,80
1847	31,50	33,65	56	10	46	3	10		1,5	1	8,5	,5	6,5	12	19	2	3	1	3,20
1848	28,41	40,03	71	5	66	2,5	14	,5	1,5	2	6,5	1	3,5	11,5	19,5		2		2,60
1849	36,06	44,28	60	10	50	,5	9,5		9		1,5		10,5	19,5	11,5	10	1		2,08
Mean.	34,38	39,77				1,60	7,79	,75	1,92	2,35	6,67	3,07	6,87	18,95	12,05				2,97
Total.						32	155,5	15	38,5	46,5	133,5	61,5	137,5	379	241				56,57

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	43,70	52,15	80	28	52	,5	11,5	,5	,5	1,5	8	,5	7	16,5	13,5	4			4,98
1830	50,93	61,99	76	24	52	,5	10,5	,5	1,5	,5	5,5	2	9	22	8	4,5			3,33
1831	52,12	55,10	78	33	45	,5	4	1	3	1	2,5	11	7	19	11	6			4,48
1832	67,83	51,57	84	28	56	,5	2	4		5,5	2,5	6,5	9	18,5	11,5	5			2,50
1833	52,29	47,79	68	29	39	3,5	2	5	4	2,5	6,5	1	5,5	20	10	1,5			2,57
1834	51,49	52,17	79	31	48	2	6	,5	5	3	3,5	3	7	15,5	14,5	4,5	,5		2,70
1835	50,59	48,62	72	34	38	2,5	3,5	1	3	3,5	7,5	4,5	4,5	9,5	20,5	7	2	1,5	5,98
1836	38,31	50,04	72	18	54		6,5	3	,5	5	10	1	4	20	10	2	1,5		1,91
1837	46,33	48,26	73	27	46	1,5	11		1	1,5	6,5	1	7,5	12,5	17,5	3		,5	1,40
1838	43,81	43,71	75	21	54	1	6,5				10,5	2	10	16,5	13,5	3	1		1,57
1839	52,89	53,34	78	30	48		10,5	2	2	1	9		5,5	20	10	2,5			2,55
1840	48,15	56,94	80	30	50	2	8,5	,5	3	2,5	9	,5	4	22	8	3,5			3,25
1841	40,27	50,44	68	25	43		14,5		1,5	2,5	5,5		6	13	17	7	2,5		4,40
1842	46,47	51,73	86	27	59	6,5	5,5	1	3	2	4	3	5	15	15	5,5			,70
1843			66	19	47	1	10		1,5	,5	2,5	2,5	12	17,5	12,5	5	1,5		
1845	45,64	52,71	80	25	55		2,5	2,5		1	9	1,5	13,5	16	14	4,5	,5		1,70
1846	47,15	54,13	79	24	55	,5	6	1	4,5	5,5	6	1,5	5	21	9	3			,60
1847	41,48	52,33	76	10	66	2	5,5		2	6	7	,5	7	17,5	12,5	4	1		1,10
1848	45,33	51,41	75	30	45	3,5	8		1	2,5	8,5	1	5,5	19	11		1		,20
1849	50,68	47,86	70	28	42		14		4		3		9	22,5	7,5	4	1		2,15
Mean.	48,18	51,70				1,40	7,43	1,12	2,05	2,38	6,32	2,15	7,15	17,67	12,33				2,52
Total.						28	148,5	22,5	41	47,5	126,5	43	143	353,5	246,5				48,07
MAY.																			
1829	55,39	69,99	96	34	62	,5	6,5		3,5	1,5	13		6	20	11	10			2,44
1830	63,43	61,11	78	48	30		5,5	,5	2,5	4,5	3,5	6	8,5	22	9	4			5,16
1831	57,19	67,78	94	32	62	1	9,5		6,5	3,5	8	1	1,5	21,5	9,5	4			3,16
1832	61,71	55,75	83	43	40	2,5	1	3	,5	2	4	14	4	16,5	14,5	3			2,36
1833	64,39	62,10	80	39	41	,5	4	3	5,5	4,5	4,5	5,5	3,5	23	8	5			5,03
1834	50,69	64,62	86	30	56	1,5	5	3	3,5	5	6	3	4	13	18	4			2,48
1835	54,81	62,66	90	37	53	6	9	1	1		8,5	1	4,5	19,5	11,5	6,5			1,70
1836	58,49	64,95	86	32	54	3	10,5	3,5	1,5	,5	9	3		19	12	7,5			2,98
1837	55,34	59,07	85	33	52	1,5	5,5	2	4	3	8	,5	6,5	16	15	8			6,68
1838	52,15	61,66	80	40	40	1	13	1	,5	1	12		2,5	19	12	7,5			6,25
1839	57,26	61,91	86	32	54	,5	10	1,5	1,5	1	7,5	2	7	14,5	16,5	8,5			4,71
1840	52,78	63,37	85	37	48	,5	12,5		2	3	9	,5	3,5	22,5	8,5	4			2,20
1841	51,12	56,68	85	32	53	2	10	,5	1	1	9,5		7	19,5	11,5	4,5			1,35
1842	50,80	57,80	80	34	46	4	,5	,5	,5	1	8,5	8	8	22,5	8,5	3			,30
1843			83	33	50	3	6,5	1,5		5,5	5,5	1,5	7,5	5,5	25,5	2,5			
1845	62,25	58,07	87	27	60	,5	7,5		3	1,5	7,5		11	20,5	10,5	3			2,25
1846	63,03	61,09	90	36	54		6,5	,5	12	3	5,5		3,5	11,5	19,5	10			4,80
1847	57,64	60,15	91	36	55		15	1	4	5	4,5		1,5	17	14	5			2,60
1848	54,04	64,80	92	40	52	3	4	3,5	7	4	3,5	2,5	3,5	13	18	10			8,90
1849	53,84	62,37	86	40	46		10		15,5		2		3,5	20	11	12			4,98
Mean.	56,65	61,98				1,55	7,61	1,30	3,78	2,52	6,92	2,47	4,85	17,80	13,20				3,70
Total.						31	152	26	75,5	50,5	138,5	49,5	97	356	264				70,33

OBSERVATIONS AT KINGSTON ACADEMY.

229

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	68,19	67,66	88	48	40		5	1	2,5	4,5	10		7	20	10	9			2,89
1830	64,76	67,63	83	55	28	,5	6	,5	3	4	2	9,5	4,5	20	10	6			4,32
1831	75,06	71,16	93	54	39	3	8		4,5	6	3,5	2,5	2,5	21,5	8,5	5,5			6,87
1832	67,68	74,72	93	53	40	1,5	1,5	2		9,5	1,5	12	2	21	9	3,5			2,85
1833	63,54	69,77	80	51	29	1	2	2,5	3,5	2,5	2,5	1,5	14,5	24,5	5,5	4			4,40
1834	65,64	66,98	89	50	39	1,5	8,5			5,5	7,5		7	13,5	16,5	8			6,67
1835	69,09	65,76	87	44	43	5	1	1,5	2	6	7	4	3,5	17	13	5,5			4,21
1836	65,90	64,48	89	50	39	1,5	14,5	3,5	1,5	2	5,5	1	,5	12	18	11,5			4,65
1837	66,65	65,75	86	50	36	4	5,5	1,5	,5	2	10	2	4,5	8,5	21,5	12			5,40
1838	66,31	67,10	86	54	32	,5	11,5	,5		1,5	8,5	,5	7	21	9	5,5			4,90
1839	63,00	66,21	85	51	34	1,5	11	2	,5	1,5	8		5,5	16	14	5,5			2,78
1840	63,60	66,51	93	51	42	2	9	,5	2	,5	7	1,5	7,5	18	12	6			2,70
1841	71,46	71,86	90	52	38	2	4,5		,5	1	16	1,5	4,5	22,5	7,5	5			4,10
1842	59,73	60,46	85	40	45	4,5	2	3,5	1	4,5	9	4,5	1	22	8	2,5			2,60
1843			96	40	57	1	5,5	,5		5	7	2	9	22,5	7,5	5,5			
1845	71,72	69,81	97	45	52		2		4	5,5	8	,5	10	23	7	3,5			1,80
1846	68,51	68,65	90	44	46		6,5	1	5,5	6	7		4	14	16	4			2,50
1847	62,38	65,45	90	42	48	3,5	5		6	5	6		4,5	14	16	9			4,60
1848	64,76	75,01	92	40	52	5	2,5	1	13	3	1	1,5	3	13,5	16,5	7			3,63
1849	65,04	75,59	92	45	47		11		19					23,5	6,5	7			1,21
Mean.	67,00	68,45				1,90	6,12	1,07	3,45	3,78	6,35	2,23	5,10	18,40	11,60				3,84
Total.						38	122,5	21,5	69	75,5	127	44,5	102	368	232				73,08

JULY.																			
1829	67,89	70,52	92	52	40		7,5		6		15		2,5	17,5	13,5	10			7,82
1830	69,96	76,83	93	60	33		7,5	2	3,5	2,5	2	7,5	6	22,5	8,5	4,5			3,45
1831	73,08	74,74	90	50	40		1,5	,5	2,5	13,5	7,5	3	2,5	24	7	2,5			4,13
1832	74,86	72,28	96	58	38	4,5	1	3	,5	6	1	13	2	22	9	3			4,09
1833	74,76	75,64	92	63	29		3		5	2	12	,5	8,5	24,5	6,5	3			4,94
1834	76,51	74,79	95	54	41	4	4,5		4,5	1	10,5	2	4,5	21,5	9,5	3,5			5,02
1835	71,22	71,92	91	50	41	,5	5,5	2,5	2,5	8	5,5	4,5	2	18	13	6,5			4,65
1836	74,02	69,94	88	50	38	3	9,5				9,5	6,5	2,5	21,5	9,5	6,5			5,15
1837	61,99	68,61	87	50	37	2,5	6	,5	2	3	8,5	2,5	6	21,5	9,5	7			3,85
1838	76,21	73,45	91	51	40	1	8	,5	,5	,5	12,5	1,5	6,5	21,5	9,5	5,5			1,47
1839	68,37	72,74	85	56	29	1,5	8		1,5	2,5	14	2,5	1	21,5	9,5	7,5			5,62
1840	70,28	73,50	92	51	41		6,5			1,5	12	4,5	6,5	24	7	4,5			1,82
1841	70,90	72,30	94	54	40	1	7		3,5	,5	11	,5	7,5	26	5	4,5			4,58
1842	73,78	79,26	94	50	44	2	2,5	1	6,5	4,5	9,5	,5	4,5	27	4	2			6,87
1843			90	50	40	3,5	3,5	1	2	1,5	10,5		9	23	8	5			
1845	75,44	72,44	100	52	48		4		4,5	2,5	8	,5	11,5	20,5	10,5	2,5			3,70
1846	70,60	70,36	97	52	45	1	9,5		4,5		10		6	13,5	17,5	6			4,30
1847	72,00	76,95	89	47	42	2	6,5	1,5	6,5	4	8,5		2	19	12	6			3,00
1848	69,94	72,86	90	56	34	3,5	2,5	1	11	4	4	2	3	11	20	9			4,80
1849	73,13	74,08	95	48	47		3,5		24			,5	3	26	5	4			,60
Mean.	71,84	73,33				1,50	5,35	,68	5,05	2,88	8,10	2,58	4,86	21,30	9,70				4,09
Total.						30	107,5	13,5	101	57,5	162	51,5	27	426	194				77,86

AUGUST.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	71,58	68,02	92	45	47	,5	9,5		2	,5	13	,5	5	25,5	5,5	5			1,66
1830	70,03	73,00	90	56	34	,5	10		2,5	3,5	7	2,5	5	26,5	4,5	2			,75
1831	73,74	77,36	92	60	32	2	5,5	,5	8,5	6	5	1	3,5	24	7	3,5			1,23
1832	74,07	66,48	91	50	41	1	1	2,5		5	2,5	17,5	1,5	23	8	4			4,94
1833	71,19	68,26	82	50	32		2		6,5	,5	13,5		8,5	25	6	2,5			2,30
1834	76,03	66,53	93	50	43	2,5	10,5	,5	2	,5	12,5	2	,5	22,5	8,5	,5			1,21
1835	69,86	69,13	90	48	42	1	4,5	1	2,5	5,5	9	3,5	4	18	13	4,5			2,79
1836	66,85	65,48	86	41	45	4	4		4,5	2	6	,5	10	23,5	7,5	2			1,43
1837	70,25	67,50	93	46	37	3	3,5	1,5	2,5	6,5	5,5		8,5	16,5	14,5	3,5			2,30
1838	75,52	70,52	90	48	42	1	5	4,5		,5	7	8	5	24,5	6,5	4,5			5,60
1839	67,53	70,33	87	54	38	,5	11,5	2,5	1,5	4,5	2,5	4,5	3,5	23	8	4,5			2,35
1840	68,92	71,96	89	54	35		4		4	1,5	13	1	7,5	22,5	8,5	4,5			2,90
1841	72,95	69,99	86	50	36	,5	13,5	1			12	2	2	19	12	5			4,17
1842	68,00	75,60	85	50	35	3	2	,5	1,5		6	4,5	13,5	15,5	15,5	4,5			5,80
1843			84	54	30	3	13,5	1,5	1,5	3,5	6,5	,5	1	15,5	15,5	8,5			
1845	71,94	72,29	91	51	40	2	5,5	,5	5,5	8,5	5,5		3,5	21,5	9,5	,5			1,10
1846	73,39	69,64	86	48	38	,5		,5	12	2,5	6,5	,5	1,5	15,5	15,5	7			3,50
1847	78,75	66,02	87	47	40	1,5	5,5	2	7,5	3,5	7,5	1	2,5	20	11	4			1,70
1848	73,72	69,68	88	50	38	1,5	7			16	2		4,5	27	4	4			,65
1849	71,14	72,46	89	50	39	1,5	3,5		17,5		1,5		6,5	23	8	5			4,70
Mean.	71,86	70,01				1,40	6,42	,95	4,10	3,53	7,25	2,47	4,88	21,57	9,43				2,68
Total.						28	128,5	19	82	70,5	145	49,5	97,5	431,5	188,5				51,08

SEPTEMBER.

1829	50,90	56,64	90	30	60		4,5		4	1	10		10,5	22	8	8			2,12
1830	65,77	58,44	77	44	33	2	6,5	3	3	6,5	2,5	2,5	4	21	9	2,5			1,60
1831	70,34	65,08	83	53	30	1	1,5		1	8	3	2,5	13	17	13	4			2,30
1832	61,67	64,91	80	45	35	1		1	3,5	4,5	7,5	9	3,5	21	9	2			,79
1833	65,68	67,22	81	52	29		5,5	1	2,5	4,5	6		10,5	20,5	9,5	3			2,47
1834	65,34	62,19	86	32	54	1	5,5	1	1	4	9	4,5	4	21	9	5,5			2,39
1835	61,39	54,17	84	32	52	3,5	3		2,5	6	8	1,5	5,5	18,5	11,5	3,5			1,28
1836	62,73	60,78	87	32	55	1,5	10	1,5	1,5	3,5	8	1	3	17,5	12,5	7			2,76
1837	62,32	59,13	83	33	50	3,5	9	,5	2	5	4,5		5,5	19	11	4			1,57
1838	63,78	61,35	79	40	39		14,5			,5	7	,5	7,5	21	9	6			4,80
1839	65,53	59,17	81	39	42	3	4,5	4,5	1,5	1,5	8	,5	6,5	18	12	6,5			2,80
1840	61,25	57,24	78	36	42	3,5	5		1,5	8,5	1	10,5	21,5	8,5	3,5				2,15
1841	70,73	58,43	86	48	38	2	4			4,5	8	7	4,5	21	9	2			1,41
1842	67,40	55,20	86	38	48	3,5	3,5	1			3,5	4	14,5	23,5	6,5	4,5			1,53
1843			88	32	56	1,5	8,5	1,5	3	2,5	8,5	1	3,5	20,5	9,5	4,5			
1845	62,54	59,16	80	34	46	1	4		4,5	4	7,5	1,5	7,5	18	12	2,5			2,55
1846	74,06	60,79	91	40	51	4,5	3		6	8	6,5		2	22	8	2			,50
1847	63,03	54,48	90	35	55	3	10,5	1,5	4,5	4,5	4	1	1	12	18	9			6,20
1848	66,79	47,03	88	30	58	1	13,5	1	2,5	5	1,5	2,5	3	21	9	8			2,85
1849	62,52	61,48	80	40	40				19,5				10,5	23,5	6,5	5			1,50
Mean.	64,93	59,09				1,82	5,83	,87	3,18	3,75	6,02	2,00	6,53	19,97	10,03				2,24
Total.						36,5	116,5	17,5	63,5	75	120,5	40	130,5	399,5	200,5				43,57

OCTOBER.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1829	53,35	50,49	72	24	48		5,5		2,5	3,5	12	,5	7	21	10	4			3,32
1830	54,78	51,05	73	33	40	2	2	6	2	9	3,5	5,5	1	21	10	4,5			2,72
1831	58,85	55,04	79	33	46	,5	4,5		1,5	6	2,5	,5	15,5	23	8	4,5			4,37
1832	54,64	52,01	70	28	42	,5	3,5	7,5	6,5	3,5	6		3,5	22	9	3			3,15
1833	59,92	47,68	79	24	55	2	4,5		3		4,5	2	15	18	13	4,5			4,50
1834	52,34	43,67	78	29	49	9,5	8		2,5	,5	2,5	1	7	15	16	5,5	,5		2,06
1835	50,84	58,98	74	32	42	1	6,5	1	,5	1,5	14,5	2,5	3,5	17,5	13,5	3,5			1,41
1836	47,17	39,99	69	16	53	2	9,5		,5		12	,5	6,5	19	12	3,5	,5	,5	3,17
1837	49,55	49,27	77	30	47	4,5	7,5		,5	3	8,5		7	19	12	4,5			1,95
1838	53,85	43,09	73	37	36		9	2,5			8,5	4	7	17,5	13,5	6,5			2,18
1839	53,98	54,94	76	24	52	3	11		,5	5	9,5		2	22	9	3			,65
1840	54,75	46,52	79	24	55	1	10		3,5		8	,5	8	15	16	5,5			5,65
1841	49,81	46,29	72	23	49	6	2		2,5	4	4,5	8,5	3,5	22,5	8,5	4	,5		2,11
1842	58,00	56,20	75	33	42	2	1			,5	3,5	7	17	22	9	2,5			,42
1843			68	28	40		10	,5		,5	11,5	2	6,5	18	13	6	,5		
1845	57,26	44,89	75	20	55	1	5,5		7,5	4,5	8	1	3,5	18,5	12,5	2,5			3,75
1846	59,75	43,09	88	22	66	1	10		2,5	2	11,5		4	18,5	12,5	2			2,00
1847	49,81	45,04	74	20	54	3	8,5		3	5,5	8	1	2	16	15	4			2,70
1848	42,04	52,41	78	30	48	2,5	12		3,5	7			6	19	12	7			5,00
1849	49,79	53,26	72	30	42				16,5				14,5	17	14	14			8,02
Mean	53,18	49,15				2,07	6,52	,88	2,95	2,80	6,95	1,83	7,00	19,07	11,93				3,11
Total						41,5	130,5	17,5	59	56	139	36,5	140	381,5	238,5				59,13

NOVEMBER.

1829	39,86	39,79	56	19	37	1	9,5			1	13,5		5	13,5	16,5	9	1		2,57
1830	49,00	44,97	60	39	21	5,5	5,5	5,5	1,5	1,5	5,5	3	2	12	18	8,5			7,00
1831	45,58	36,54	73	22	51		3			4	3	1	19	22,5	7,5	3	1		2,80
1832	43,91	43,16	65	20	45		3,5	4	5,5	1	3,5	6	6,5	18	12	5			3,38
1833	44,35	34,63	65	20	45		,5		6		,5	,5	15	20	10	1	2		3,70
1834	40,18	35,68	59	18	41	9	8			2	4	1	6	13	17	4	1,5		1,58
1835	48,78	36,10	63	10	53	1,5	10			2,5	12	,5	3,5	11,5	18,5	3	2	,5	2,30
1836	39,03	35,63	64	19	45	2,5	6	1,5	2,5	1	10	1	5,5	16	14	3			3,13
1837	41,23	40,93	69	10	59	4,5	6		1	6,5	5,5		6,5	19,5	10,5	2	1,5		,78
1838	43,07	31,19	68	10	58	2	5				10	,5	12,5	15,5	14,5	5	,5		3,61
1839	40,75	33,90	56	14	42		7,5	1	,5		7	2,5	11,5	14	16	3			3,10
1840	44,13	37,48	60	26	34	1	17				3,5	1	7,5	18,5	11,5	2,5		,5	2,66
1841	42,27	36,00	83	17	66	1	3	1	3,5	3	1	8,5	9	19,5	10,5	3	1,5		4,17
1842	46,00	32,53	61	16	45	3	4,5		1,5		2,5	7,5	11	14,5	15,5	4	2		7,55
1843			60	15	45	1	9		1	,5	10	1,5	7	20	10	4	1,5		
1845	45,97	39,55	70	14	56	2	4,5		,5	7,5	8,5	1	6	14	16	4,5			2,25
1846	49,76	37,84	68	21	47		19		,5		6,5	,5	3,5	6,5	23,5	5	1		5,30
1847	53,28	38,88	75	6	69	3	4	,5	,5	3,5	13	1,5	4	10	20	6	1		2,20
1848	36,26	38,39	60	20	40	5	6		,5	9,5	5	2	2	24,5	5,5	3	2		2,40
1849	50,70	49,68	70	20	50		1,5		11		1		16,5	20	10	5			5,27
Mean	44,42	38,04				2,12	7,07	,93	1,63	2,20	6,18	1,95	7,92	15,65	14,35				3,46
Total						42,5	141,5	18,5	32,5	44	123,5	39	158,5	313	287				65,75

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	36.08	37.87	64	14.50		.5	4.5	1		5	9.5	.5	10	16.5	14.5	3			2.00
1830	38.66	32.72	47	10.37			6		2	3.5	4	4.5	10	15	16	3.5	1.5		5.06
1831	17.58	19.97	46	— 3.49		2.5	4.5			.5	8.5	1	14	22	9	.5	2.5		4.35
1832	37.34	35.02	48	10.38		1.5	5.5	1.5		3.5	1	9.5	6	18.5	12.5	3	1	1.5	1.92
1833	31.78	33.44	46	8.38		1.5	10.5	.5		3.5			1	14	17	1.5	1.5		3.20
1834	33.27	24.34	49	1.48	2	12					10.5	.5	6	10	21	2	6		3.56
1835	21.84	23.67	46	—12.58		1.5	6.5	2.5	1.5	.5	8.5	1.5	8.5	13.5	17.5	4	2.5	.5	2.15
1836	32.00	21.95	59	— 6.65		1.5	6.5	.5	1.5		7.5	1.5	11	16.5	14.5	3	1.5	1	5.30
1837	33.79	26.56	59	— 1.60		2.5	7.5			2	8	1.5	9.5	17.5	13.5	.5	3.5		2.40
1838	29.75	23.29	46	— 4.50	1	3				2	14	2	9	16	15	.5	3		1.00
1839	38.28	23.20	52	2.50	4	15.5					1.5	.5	9.5	15.5	15.5	2	3.5	.5	4.03
1840	29.41	23.51	45	2.43	1	14		2			5.5	1	7.5	14.5	16.5	1	4.5		2.92
1841	39.78	23.75	50	10.40	2	4		2.5	.5	3	4.5	7	7.5	17.5	13.5	2.5	2.5		2.93
1842	38.26	36.06	53	18.35	3	3.5					2.5	7	15	17	14	1.5	1	2	4.44
1843			45	0.45		.5	10			.5	1.5	11.5		7	14.5	16.5	2	3.5	
1845	24.73	23.72	43	—10.53		.5	11.5	2		2.5	.5	8.5	.5	5	14	17	1	3	2.65
1846	29.76	29.08	51	0.51	1	10		.5	3		9		7.5	14	17	1	2	1	3.10
1847	41.49	27.54	60	4.56	1	11.5				2	13.5		3	6.5	24.5	7	3		4.90
1848	41.86	34.07	63	10.53	5	10				9.5	3.5	.5	2.5	14	17	8	8		4.72
1849	34.30	33.49	50	10.40	1	14.5			6.5		2		7	18.5	12.5	3	7		2.77
Mean.	33.15	28.06				1.68	8.58	.65	1.28	2.00	6.33	1.75	8.73	15.27	15.73				3.34
Total.						33.5	171.5	13	25.5	40	126.5	35.5	174.5	305.5	314.5				63.40

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.				WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.	
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.		Rain gage. Monthly mean.
	First Half.	Seco'd Half.																					
January. -	27.62	26.57	69	—30	99	1.50	7.75	.45	1.85	1.85	7.32	1.97	8.00	N 50° 44' W	24	7.16	17.70	13.80				8.26	62.44
February. -	26.52	29.32	62	—18	80	1.37	8.60	.90	2.07	1.67	4.80	2.60	6.20	N 18° 07' W	18	5.59	14.80	12.63				2.21	43.13
March. - - -	34.38	39.77	78	—3	83	1.60	7.77	.75	1.92	2.35	6.67	3.07	6.87	N 54° 06' W	21	6.21	15.95	12.05				2.97	56.57
April. - - -	43.18	43.80	86	10	76	1.40	7.42	1.12	2.05	2.37	6.32	2.15	7.15	N 47° 19' W	17	5.24	17.67	12.38				2.51	48.07
May. - - - -	56.65	61.36	96	27	69	1.55	7.61	1.30	3.78	2.52	6.92	2.74	4.85	S 84° 53' W	5	1.46	17.30	13.20				3.70	69.33
June. - - - -	66.47	68.45	97	40	57	1.90	6.12	1.07	3.45	3.78	6.35	2.23	5.10	S 66° 15' W	9	2.78	18.40	11.60				3.44	73.68
July. - - - -	77.10	73.33	100	48	52	1.50	5.95	.68	5.05	2.87	8.10	2.58	4.86	S 44° 52' W	20	6.05	21.30	9.70				4.09	77.86
August. - - -	70.29	70.01	93	41	52	1.40	6.42	.95	4.17	3.53	7.25	2.47	4.83	S 51° 06' W	11	3.39	21.57	9.43				2.63	51.68
September.	61.93	59.09	91	30	61	1.82	5.83	.87	3.18	3.75	6.02	2.90	6.53	N 85° 24' W	12	3.61	29.97	10.03				2.24	43.77
October. - - -	53.14	49.15	83	16	72	2.07	6.52	.88	2.95	2.8	6.95	1.83	7.00	N 65° 40' W	15	4.51	19.07	11.93				3.11	59.13
November.	44.42	33.04	83	6	77	2.12	2.07	.93	1.63	2.20	6.18	1.95	7.92	N 43° 27' W	23	7.04	15.65	14.35				8.46	65.75
December.	33.15	28.06	64	—12	76	1.63	8.58	.65	1.28	2.00	6.33	1.75	8.73	N 36° 23' W	27	8.08	16.27	15.73				8.34	63.40
Mean. - - - -	50.24	48.91				1.70	7.00	.84	2.77	2.50	6.60	2.25	6.51	N 32° 50' W	10	8.14	18.18	12.19				3.12	59.42

Highest degree, July 13, 1845. - -
 Lowest degree, January 4, 1835. -
 Extreme range in 20 years. - - -
 Greatest monthly range in January.
 Least monthly range in July and August.

- 100°
 - 30
 - 130

Mean monthly range, 71°.
 Driest month, February.
 Wettest month, July.
 Total fall of rain and snow in 19 years, 59 feet 5.01 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1829	25.96	21.77	80.71	47.92	62.69	67.99	69.20	69.80	58.77	51.92	37.56	36.96	49.43	96	-12	105	62	February 5,	May 27,	September 11,	November 14.
1830	25.28	25.11	40.85	56.46	61.76	66.19	73.39	71.61	62.10	52.91	46.98	35.67	51.47	93	-12	106	71	February 7,	July 21,		
1831	24.02	23.43	42.18	53.64	62.48	73.11	73.91	75.55	67.71	56.94	41.06	18.77	51.06	94	-12	106	62	January 21,	July 4,		
1832	25.01	28.17	36.82	49.70	58.73	71.20	73.57	69.27	63.29	52.01	43.16	35.02	50.60	96	0	96	64	January 26,	July 21,		
1833	36.27	28.62	35.92	49.54	63.24	65.65	75.20	69.72	66.45	53.80	39.47	32.01	51.40	92	-4	96	68	February 1,	July 21,		
1834	24.16	35.36	40.99	51.33	57.63	66.81	75.65	71.28	63.76	48.00	37.23	29.50	50.10	95	1	94	56	January 24,	July 8,	September 30,	October 25.
1835	23.62	25.31	35.40	49.60	53.73	67.42	71.67	69.49	57.78	54.91	42.44	22.75	48.25	91	-30	121	82	January 4,	August 12,	September 9,	November 23.
1836	24.43	18.57	29.52	44.17	61.72	65.19	71.98	66.16	61.75	48.58	37.38	26.97	45.94	89	-22	111	74	February 5,	June 18,	September 29,	October 12.
1837	19.30	26.08	33.89	47.29	57.20	66.20	65.30	68.87	60.72	49.41	41.08	30.17	47.12	87	-13	100	63	January 26,	July 15,	September 14,	November 24.
1838	34.66	20.50	37.81	43.76	56.90	66.70	74.83	73.04	62.56	48.47	37.13	26.52	48.57	91	-4	95	63	December 31,	July 10,	October 8,	
1839	28.46	31.27	39.61	52.54	58.07	63.05	71.59	70.39	59.25	54.46	37.82	30.74	50.49	87	-9	96	76	January 23,	August 23,	September 14,	December 12.
1840	25.05	34.22	40.51	52.54	58.07	63.05	71.59	70.39	59.25	54.46	37.82	30.74	50.49	87	-20	118	66	January 16,	June 23,	September 22,	December 6.
1841	30.62	25.29	34.83	45.35	53.90	71.66	71.60	71.47	64.58	40.05	39.11	31.76	43.31	94	-19	118	68	January 4,	July 23,	October 17,	December 23.
1842	31.73	36.00	43.63	49.10	59.30	60.09	76.52	71.80	61.30	57.10	39.26	37.16	51.51	94	2	92	59	January 13,	July 19,	September 25,	November 23.
1843														97	0	97	61			September 28,	October 23.
1845	29.00	28.18	41.61	49.20	60.16	70.76	73.94	72.11	60.85	51.07	42.76	24.27	50.82	100	-10	119	69	December 13,	July 13,	September 13,	December 4.
1846	28.08	23.05	36.69	50.64	62.47	68.58	70.48	71.40	67.43	51.42	43.80	29.42	46.17	97	-10	107	66	January 18,	July 10,	October 4,	November 25.
1847	27.51	26.75	32.58	47.08	58.89	63.91	74.47	72.38	58.75	47.42	46.08	34.51	49.25	91	-12	103	69	February 24,	July 19,	October 2,	November 23.
1848	30.11	25.46	34.22	48.37	59.42	69.88	71.40	71.70	56.91	47.24	37.82	37.96	49.16	92	-12	104	68	January 10,	June 16,	September 27,	November 9.
1849	25.61	23.83	40.17	49.21	55.10	70.37	73.60	71.79	62.00	51.52	50.29	33.89	50.74	95	-18	113	64	February 18,	July 13,		December 2.
Mean.	27.86	26.65	35.09	49.37	59.52	68.90	75.21	70.90	62.01	50.67	41.09	30.51	49.37								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1829	4,5	88,5	4	33,5	20	119	7	88,5	N 88 20' W	17	63,48	221,5	143,5	66	10	2
1830	11	75	18,5	26,5	38,5	72,5	47	76	N 83 12 W	26	94,09	237	128	44,5	10,5	
1831	14,5	49	3,5	29,5	67,5	45,5	50,5	105	N 88 03 W	25	84,19	257,5	107,5	42,5	9,5	
1832	17,5	23,5	34	22	57,5	42,5	112	57	S 73 40 W	31	120,00	236	130	41	8,5	1,5
1833	11	59	23	49	17,5	62,5	24,5	118,5	N 54 10 W	18	66,84	241	124	29	9,5	,5
1834	34,5	76,5	6,5	34,5	27	77	20	90	N 49 23 W	24	89,91	203	162	43	12	
1835	32,5	80,5	12	16,5	43	99,5	30,5	52	N 81 18 W	14	50,21	194,5	170,5	51,5	13	4,5
1836	24,5	113,5	15,5	16	19,5	95,5	19	52,5	N 25 00 W	12	44,45	218	148	53	18,5	1,5
1837	37,5	87	7,5	16,5	39	85,5	12	80	N 48 04 W	18	66,44	200,5	164,5	54,5	11,5	,5
1838	11	109	9	1,5	11	111,5	27	85	N 67 45 W	27	99,92	227,5	137,5	47,5	13,5	1,5
1839	20,5	116	17	17	27,5	78,5	17,5	71	N 11 56 W	15	58,86	216	149	48,5	8,5	1,5
1840	15	118	6,5	17	18,5	99,5	17,5	74	N 37 27 W	14	54,76	227	139	42,5	13	,5
1841	20	99,5	5	13	20	101,5	38	67,5	N 63 33 W	22	81,46	231	134	45,5	15,5	
1842	35,5	29,5	12	28	28	66,5	66,5	99	N 76 26 W	37	134,70	248,5	116,5	35	9,5	4
1843	22	96	8,5	10,5	22	80	22	104	N 45 20 W	28	109,60	212	153	46,5	15	
1845	13,5	76,5	5,5	36	37,5	97	6,5	92,5	N 88 29 W	14	55,46	215	160	30,5	9	1
1846	11,5	105	5	55,5	36	93,5	3	55,5	S 31 45 E	5	19,25	182,5	182,5	45	9	3
1847	24	107	7	36,5	40	101,5	6,5	42,5	S 1 06 E	24	78,16	166,5	198,5	57	19	2
1848	36,5	102	7	40	63	55,5	14,5	47,5	N 59 49 E	6	23,22	206,5	159,5	58	11	
1849	7,5	86,5		156,5	,5	21,5		92,5	N 85 23 E	25	91,50	253,5	111,5	75	18	
Mean.	20,22	84,87	10,30	32,77	31,67	80,25	27,02	78,03	N 62° 25' W	14	51,34	219,75	146,45			
Total.	404,5	1697,5	206	655,5	333,5	1605	540,5	1560,5				4395	2909			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1829	4.58	3.06	3.60	4.98	2.44	2.89	5.32	1.66	2.12	3.32	2.57	2.00	38.09	August.	April.
1830	1.93	1.07	3.76	3.33	5.16	4.32	3.45	1.75	1.60	2.72	1.00	5.06	40.15	August.	November.
1831	3.66	4.33	3.62	4.48	3.16	6.87	4.13	1.23	2.30	4.37	2.80	4.35	45.35	August.	June.
1832	5.26	4.15	2.86	2.50	2.36	2.85	4.09	4.94	.79	3.15	3.33	1.92	88.25	September.	January.
1833	4.92	3.19	2.82	2.57	5.03	4.40	4.94	2.30	2.47	4.50	3.70	3.20	44.04	August.	May.
1834	2.85	1.41	2.92	2.70	3.43	6.67	5.02	1.21	2.39	2.06	1.53	3.56	34.85	August.	June.
1835	3.94	1.20	2.33	5.93	1.70	4.21	4.65	2.79	1.28	1.41	2.30	2.15	83.94	February.	April.
1836	3.15	1.95	1.54	1.91	2.98	4.65	5.15	1.43	2.76	3.17	3.13	5.30	37.12	August.	December.
1837	1.15	.80	5.75	1.40	6.63	5.40	3.85	2.30	1.57	1.95	.73	2.40	34.03	November.	May.
1838	2.08	1.50	2.23	1.57	6.25	4.90	1.47	5.60	4.80	2.18	3.61	1.00	37.24	December.	May.
1839	2.45	1.60	1.33	2.55	4.71	2.78	5.62	2.35	2.80	.65	3.10	4.03	54.02	October.	July.
1840	1.95	1.52	3.03	3.25	2.20	2.70	1.82	2.90	2.15	5.65	2.66	2.92	32.75	February.	October.
1841	4.73	2.85	2.05	4.40	1.35	4.10	4.53	4.17	1.41	2.11	4.17	2.93	36.85	February.	January.
1842	3.24	2.80	2.15	.70	.80	2.60	6.87	5.80	1.53	.42	7.55	4.44	37.90	May.	November.
1843	4.30	3.70	3.80	1.70	2.25	1.80	3.70	1.10	2.55	3.75	2.25	2.65	83.55	August.	January.
1844	2.95	1.00	4.80	.60	4.80	2.50	4.30	3.50	.50	2.00	5.30	3.10	35.35	September.	November.
1847	3.60	4.40	3.20	1.10	2.60	4.60	3.00	1.70	6.20	2.70	2.20	4.90	40.20	April.	September.
1848	2.70	2.50	2.60	.20	3.90	3.63	4.80	.65	2.85	5.00	2.40	4.72	40.95	April.	May.
1849	2.65	1.55	2.03	2.15	4.93	1.21	.60	4.70	1.50	3.02	5.27	2.77	37.43	July.	October.
Mean.	3.26	2.21	2.97	2.53	3.70	3.84	4.09	2.63	2.24	3.11	3.46	3.34	37.53		
Total.	62.04	42.13	56.57	48.07	70.33	73.08	77.86	51.08	42.57	59.13	65.74	63.40	713.01		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1829	7	3	8	5	29	16	20	2	25	10	7	25	15	4	8	27	2	27	25	22	2	12	7	4
1830	7	30	20	7	30	2	21	1	23	16	21	21	12	23	26	11	19	2	26	16	27	15	22	22
1831	4	21	16	5	25	20	27	8	31	5	1	23	4	11	22	1	13	29	3	28	11	30	24	22
1832	19	26	2	24	24	3	26	7	13	24	16	5	2	11	14	25	20	12	21	29	2	15	31	23
1833	9	19	18	1	19	2	4	27	10	16	23	9	21	18	13	29	20	13	16	30	9	4	4	20
1834	17	24	14	7	20	3	16	10	24	13	9	14	8	30	12	28	4	29	2	15	10	16	7	14
1835	26	4	22	10	16	3	9	5	20	3	13	21	13	28	12	3	6	30	19	25	4	30	30	16
1836	13	16	21	6	28	2	26	11	21	13	18	20	8	22	13	20	19	29	2	30	11	25	12	30
1837	31	26	27	13	28	1	29	1	31	1	2	18	25	5	2	24	11	23	23	29	21	27	2	22
1838	18	30	8	1	24	1	29	16	21	3	11	6	10	22	7	26	7	3	2	31	8	25	1	30
1839	26	23	28	6	23	3	6	13	20	4	21	5	21	6	23	30	7	30	13	22	15	22	9	19
1840	30	16	23	4	4	11	23	1	18	6	29	2	17	3	22	9	9	22	6	26	4	27	10	25
1841	7	4	28	12	26	5	25	10	24	3	29	19	23	3	19	23	3	30	31	26	1	30	12	22
1842	19	13	11	9	19	29	22	1	19	5	19	11	19	7	18	2	2	26	1	28	3	30	7	24
1843	10	1	11	24	24	28	3																	
1845	28	19	21	3	31	23	25	6	12	6	9	1	13	24	17	31	2	23	11	22	1	29	29	13
1847	1	22	3	24	8	2	22	1	11	2	25	15	19	29	11	19	4	18	7	27	9	29	10	27
1848	1	10	21	11	31	15	12	19	19	2	16	1	23	7	17	25	4	27	16	18	4	10	19	21
1849	25	11	26	18	30	4	7	15	11	6	22	10	13	15	5	16	16	30	29	31	8	1	6	26

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1829	54	— 5	42	—12	64	14	80	28	96	34	88	48	92	52	92	45	90	30	72	24	56	19	64	14
1830	48	— 2	58	—13	64	18	76	24	78	48	83	55	93	60	90	56	77	44	73	22	66	34	47	10
1831	48	— 8	45	—12	75	21	78	33	94	32	93	54	90	50	92	60	83	53	79	33	73	22	46	— 3
1832	53	0	49	0	74	10	84	28	83	43	93	53	96	58	91	50	80	45	70	28	65	20	48	10
1833	64	— 4	49	— 4	59	0	68	29	80	39	80	51	92	63	82	50	81	52	79	24	65	20	46	8
1834	46	1	53	2	62	16	79	31	86	30	89	50	95	54	93	50	86	32	78	29	59	18	49	1
1835	52	—30	46	— 3	58	10	72	34	90	37	87	44	91	50	90	48	84	32	74	32	63	10	46	—12
1836	47	—15	52	—22	54	0	72	18	86	32	89	50	88	50	86	41	87	32	69	16	64	19	59	— 6
1837	46	—13	53	—10	56	—5	73	27	85	33	86	50	87	50	83	46	83	33	77	30	69	10	59	— 1
1838	50	1	47	— 3	63	0	75	21	80	40	86	54	91	51	90	48	79	40	73	37	68	10	46	— 4
1839	49	— 9	56	2	77	1	78	30	86	32	85	51	85	56	87	54	81	39	76	24	56	14	52	2
1840	44	—20	64	— 2	67	14	80	30	85	37	93	51	92	51	89	54	78	36	79	24	60	26	45	2
1841	49	—19	48	— 4	60	12	68	25	85	32	90	52	94	54	86	50	86	48	72	23	83	17	50	10
1842	56	2	57	18	73	24	86	27	80	34	85	40	94	50	85	50	86	38	75	33	61	16	53	18
1843	69	—10	61	0	46	0	66	19	83	33	97	40	90	50	84	54	88	32	68	28	60	15	45	0
1845	50	3	62	— 5	78	9	80	25	87	27	97	45	100	52	91	51	80	34	75	20	70	14	43	—10
1846	49	— 5	48	—10	60	0	79	24	90	36	90	44	97	52	86	48	91	40	88	22	68	21	51	0
1847	56	7	56	—12	56	10	76	10	91	36	90	42	89	47	87	47	90	35	74	20	75	6	20	4
1848	56	—12	48	— 5	71	5	75	30	92	40	92	40	90	56	88	50	88	30	78	30	60	20	63	10
1849	30	— 8	46	—18	60	10	70	28	86	40	92	45	95	48	89	50	80	40	72	30	70	20	50	10
Highest.	69		64		78		86		96		97		100		93		91		88		83		64	
Lowest.		—30		—22		—5		10		27		40		48		41		30		16		6		—12
Range.		99		86		83		76		69		57		52		52		61		72		77		76

SUMMARY OF OBSERVATIONS AT LANSINGBURGH ACADEMY,

LANSINGBURGH, RENSSELAER COUNTY, N. Y., DURING TWENTY YEARS.

Latitude N. 42° 47'; Longitude W. 73° 40'. Elevation above tide 30 feet. In the valley of the Hudson, on the east side of the river.

OBSERVERS.

1826, HORATIO GATES SPAFFORD.

1827 to 1833, inclusive, ALEXANDER MCCALL, Principal.

1834, E. B. JAMES, Teacher, and W. H. HADLEY, Principal.

1835, W. H. HADLEY and E. B. JAMES, Principals.

1836, E. B. JAMES, Principal, and P. L. WHIPPLE, Trustee.

1837, Rev. P. L. WHIPPLE, Trustee.

1839, E. G. FOOTE, Teacher.

1840, 1841, H. WHITE, Teacher.

1842, '3, '4, '5, EBENEZER D. MALTBIE, Principal, and others.

1846, E. D. MALTBIE and C. G. PEASE, Principals.

1847, CLARK G. PEASE, Principal.

1850, CYRUS BOLSTER.

JANUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826			61	— 7	68	1,5	,5		2	8,5	4	7,5	7	10	21	6	7		2,42
1827	20,25	15,27	53	— 26	79	8	5,5			3,5	3,5	2,5	8	15	16	5	8		5,18
1828	35,30	22,75	47	— 12	59	4	1,5		2,5	6,5	4,5	7	5	12,5	18,5	3	3		1,89
1829	18,37	25,87	48	— 14	62	6,5	2	,5	,5	4,5	3	3	11	14	17	3	3	1	4,68
1830	27,88	17,18	41	— 13	54	6	2		,5	6	4	7	5,5	14	17	2	4	1	,97
1831	24,41	14,72	58	— 6	64	13,5			,5	4	2	5,5	5,5	19	12		4	1	1,62
1832	23,81	22,22	49	— 17	66	7,5	1,5			11	2	6	3	13,5	17,5	1	5	1	4,52
1833	31,78	27,22	52	— 8	60	5	1,5		1	15	1,5	6,5	,5	8	23	4	3		2,92
1834	22,17	21,14	48	— 4	52	,5	1		,5	6	4	2	17	19,5	11,5	4	2		,95
1835	10,43	34,21	46	— 28	74	1				3,5	10,5	6,5	9,5	18	13	2,5			,25
1836	32,67	18,43	42	— 19	61		3		2	9	1	6	10	7	24	1	6	1	4,93
1837	18,03	19,94	44	— 16	60	3	5			4,5		11	7,5	15,5	15,5		4		1,78
1839	27,85	17,73	51	— 13	64	7,5	2,5		1	11	1	1,5	6,5	15	16	1,5	1,5	1	1,00
1840	11,78	16,58	39	— 21	60	8	,5	,5	,5	1,5	10	3,5	6,5	17,5	13,5	1,5	3,5	1	1,90
1841	21,74	28,42	45	— 21	66				4,5	3,5	7,5	7	8,5	11,5	19,5	3	6		2,30
1842	22,94	27,65	47	— 8	55		1		14	4	5,5	6	,5	15	16	1,5	3		2,25
1843	32,59	28,00	60	— 17	77	1	2,5		4,5	3,5	4	9	6,5	15	16	3,5	3,5	,5	1,80
1844	16,44	7,63	40	— 21	61	3			1	2	2,5	9,5	13	17	14	2	6		,81
1845	25,06	20,98	46	— 6	52	2			,5	4	5	7,5	12	14,5	16,5	5	6	1	2,20
1846	30,36	18,01	47	— 13	60	3,5			1,5	5,5	2	12	6,5	14	17	4	5	1,5	1,50
Mean.	23,89	21,26				4,07	1,50	,05	1,85	5,85	3,88	6,32	7,48	14,27	16,73				2,29
Total.						81,5	30	1	37	117	77,5	126,5	149,5	285,5	334,5				45,87

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1826			60	-18	78	,5	1		1	8,5	2	4	11	11	17	3	8		1,64
1827	23,21	35,18	51	-8	59	3,5	1			10,5	1,5	9,5	2	16,5	11,5		2		2,42
1828	33,96	34,68	59	9	50	,5			3,5	8,5	4	4,5	8	11	18	6	3		1,89
1829	17,43	19,10	39	-17	56	4,5	1,5			2,5	1	12	6,5	14,5	13,5		3		3,19
1830	13,22	33,51	53	-20	73	9,5	2			3	1,5	9,5	2,5	16	12	2	4		1,44
1831	15,83	23,86	42	-13	55	8	1,5			7	,5	7	4	15,5	12,5	3	2		2,01
1832	25,32	21,50	45	-15	60	13	1			6,5	1	5	2,5	10	19	3	6	2	5,52
1833	18,48	23,88	47	-15	62	8,5	1		,5	5	,5	9,5	3	13,5	14,5	2	4		2,85
1834	31,40	39,16	57	-4	61	1	1,5	,5	,5	9,5	6	2	7	15,5	12,5	1	1		,33
1835	17,47	29,71	44	0	44	1			2,5	1,5	6	11,5	5,5	8,5	19,5	,5	1,5		1,30
1836	16,17	21,64	49	-24	73				6,5	3	1,5	18	10,5	18,5	1	5,5	1		2,70
1837	26,14	28,68	48	-12	60	6,5			1,5	6,5	1	11	1,5	13	15	,5	4	,5	2,08
1839	19,72	34,78	48	-3	51	2			2	16,5	2	5,5	9	19	,5	1			,15
1840	25,01	35,74	56	-6	62	,5			4,5	5	3,5	11	4,5	16	13	5,5	,5		2,85
1841	17,94	24,46	43	-16	59				6	,5	6	10	5,5	14,5	13,5	,5	2,5		,92
1842	33,52	26,98	57	3	54				7	6,5	2	8,5	4	12	16	5	3	,5	1,00
1843	15,49	14,77	44	-25	69	2,5	1		2	3,5	6	8,5	4,5	17,5	10,5	,5	7,5		1,90
1844	17,95	23,67	56	-17	73	2			1,5	1,5	6	5,5	12,5	14	15		6		1,95
1845	10,71	37,09	66	-11	77	2			,5	5,5	3	13	4	18	10	3	4	1	1,60
1846	21,89	15,22	42	-20	62	5,5	1		2,5	3,5	3,5	7	5	17,5	10,5		6	,5	3,70
Mean.	21,09	27,56				3,55	,62	,02	1,78	5,90	3,00	7,57	5,80	13,70	14,55				2,07
Total.						71	12,5	,5	35,5	118	60	151,5	116	274	291				41,44

MARCH.

1826			67	12	55	3,5			1,5	6,5	1	2,5	17	10	21	8	5		2,56
1827	33,11	40,22	69	1	68	2			2,5	8	,5	12,5	5,5	21	10	2	2		2,24
1828	33,16	42,90	73	12	61	3,5	1		1	9,5	3,5	6	6,5	19,5	11,5	1	1	1	1,17
1829	30,87	30,81	59	3	56	7,5	2,5		,5	5,5	1,5	8	5,5	16,5	14,5		1		2,49
1830	31,50	40,80	61	8	53	8	2,5			8	,5	12		14	17	6	4		4,97
1831	37,36	40,91	60	14	46	5	,5		1,5	13,5	,5	7,5	2,5	11,5	19,5	5	1	2	2,36
1832	34,37	35,25	65	2	63	5	2		1	11	1,5	7,5	3	18	13	3		2	1,99
1833	23,29	40,54	65	-4	69	8	1			9,5	,5	8,5	3,5	18	13	1	3	1	1,91
1834	36,91	36,13	58	10	48	3			14	2		12		19,5	11,5	4	3		1,82
1835	32,12	38,04	54	8	46	4			1	5	7	8	6	18	13		2,5		,17
1836	26,00	34,35	54	0	54	2	,5		1	10	2	3,5	12	20,5	10,5	2,5	1,5		1,25
1837	30,03	37,75	52	-13	65	5	2	,5	2	7,5	1	8	5	16,5	14,5	5	1	1	2,31
1839	28,69	35,63	58	4	54	6				9,5	8	2	5,5	22,5	8,5	1			,58
1840	32,90	35,62	63	2	61	1	3		7	2	3,5	10	4,5	13,5	17,5	4	6,5		3,08
1841	27,15	32,80	57	0	57	2			1	4	4,5	9,5	10	17	14	1,5	3,5	,5	1,75
1842	40,28	37,78	67	14	53	3,5			6	4,5	2	9	6	12,5	18,5	6	4	,5	2,06
1843	17,65	25,06	43	-10	53	3	,5		2	2,5	6	13,5	3,5	15,5	15,5	1	10,5		3,45
1844	34,73	30,37	58	2	56	8,5			4,5	3,5	3	5	6,5	15	16	7	4		1,15
1845	35,09	42,56	78	9	69	2	1		5	8,5	1,5	11	2	20	11	5	5	3	3,00
1846	29,87	41,93	65	-12	77	2			3	6	2	9,5	8,5	21	10	5,5	1	,5	2,95
Mean.	31,32	36,81				2,23	,86	,02	1,94	7,42	2,60	7,68	6,25	17,00	14,00				2,16
Total.						84,5	16,5	,5	39,5	148,5	52	153,5	125	340	280				43,26

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1826			78	17	61	4				12,5		3	10,5	14	16	9	3		1,77
1827	54,33	49,81	74	30	44				1,5	10		4,5	14	14	16	5	1		3,98
1828	40,70	48,46	66	25	41	10	1	1	1,5	4	1,5	8	3	12	18	6			2,50
1829	41,15	50,70	77	37	50	6	1		1	5,5	2,5	7	7	13,5	16,5	6			4,92
1830	50,03	58,87	86	25	61	8,5	3,5	2	,5	8	1,5	3	3	20,5	9,5	5			2,09
1831	47,63	50,33	72	30	42	9,5	1,5		,5	11	1,5	2	4	15	15	10	1		5,18
1832	42,00	47,46	80	16	64	9,5	,5			7	2,5	8	2,5	17	13	6			3,11
1833	50,14	53,61	90	24	66	8	,5		,5	13,5		4	3,5	19	11	4		1	,87
1834	50,25	46,22	74	22	52	1	2		,5	9	,5	4	13,5	19,5	10,5	8,5	,5	,5	2,52
1835	52,19	44,27	67	23	44	1	1,5		,5	7,5	4	1	14	15	15	6,5	,5		1,52
1836	30,73	52,07	78	22	56	4	1		1,5	9,5		7,5	6,5	16,5	13,5	3,5	1		1,60
1837	44,72	49,10	77	28	49	4	2		1	3	2	13	5,5	13	17	3,5		,5	2,26
1838	49,23	47,99	73	32	41	8	1		1	12,5	2		5,5	17,5	12,5	7,5			1,24
1839	37,54	56,39	81	24	57	2,5	1		6,5	9,5		7	3,5	23	7	4			3,52
1840	36,99	47,95	70	20	50	6			3	7	2	8	4	13,5	16,5	7,5	3,5		1,50
1841	44,84	57,35	82	9	73	5,5	1,5		6	6,5	2	2,5	6	16,5	13,5	12			4,43
1842	38,46	54,74	76	6	70	2,5	5		4	2,5	2,5	7,5	6	14,5	15,5	6	1	2	2,90
1843	50,49	53,72	90	4	86	4,5	1	,5	3	13,5	1,5	4,5	1,5	18,5	11,5	9			,50
1845	40,33	49,85	84	20	64	1			3,5	5	1,5	11,5	7,5	16,5	13,5	11	3		1,50
1846	46,82	56,45	88	24	64	6			6	5	1	8,5	3,5	22	8	3	,5	1	,25
Mean.	44,66	51,33				5,06	1,20	,17	2,10	8,10	1,42	5,71	6,24	16,55	13,45				2,40
Total.						101,5	24	3,5	42	162	28,5	114,5	125	331	269				48,16
MAY.																			
1826			96	42	54	7				12,5	,5	3	8	21,5	10	8			,93
1827	52,11	65,22	90	36	54	6,5			3	8,5	3	7,5	2,5	17	14	4	1		3,21
1828	59,73	60,00	80	36	44	4	,5	,5	3,5	10	1	7	4,5	15	16	9			4,41
1829	56,32	69,78	93	37	56	6		1	2	12,5	2	6	1,5	23	8	4			3,26
1830	59,30	57,62	81	32	49	5,5	,5	1	1,5	9,5	2,5	6	4,5	20,5	10,5	5			3,46
1831	56,02	65,89	95	34	61	6		1	1	15,5	,5	5,5	1,5	18	13	7	1		2,75
1832	54,40	54,66	85	35	50	10,5	2,5		1	8,5	1,5	5,5	1,5	16,5	14,5	10			4,17
1833	69,85	65,37	90	33	57	6,5	,5		1	13,5	,5	7	2	16	15	12			7,86
1834	49,49	58,71	81	25	56	1		,5	3	13,5	1	1,5	10,5	12	19	9	1		3,04
1835	51,81	63,23	86	33	53	1	1		1	1	4	1,5	21,5	22	9	2			1,86
1836	63,19	63,91	88	31	57	4	3	1	3,5	7	3,5	6	3	19	12	4			2,38
1837	58,26	60,45	88	30	58		1	3	6,5	6	2	6,5	6	12,5	18,5	9,5			4,74
1838	53,44	59,51	82	33	49	,5			5,5	11,5	2,5	9	2	16,5	14,5	5,5			,92
1839	52,35	67,78	87	36	51	1	5		4	5	2	3,5	10,5	19,5	11,5	6			,20
1840	48,00	65,28	87	32	55	2,5			5	4	3,5	8,5	7,5	20,5	10,5	6,5	,5		1,69
1841	51,90	58,90	84	33	51	1,5	2,5	,5	3	9,5	6,5	6	1,5	16	15	12			,90
1842	57,56	56,72	89	34	55	3		1	4	8,5	6,5	5,5	2,5	21,5	9,5	5			,73
1843	58,56	61,67	92	30	62	3			4	8	4	10	2	18,5	12,5	15			4,35
1845	56,54	55,37	95	31	64	2	2,5		3,5	3	7	5,5	7,5	20	11	11			2,50
1846	61,10	60,09	92	36	56	5,5			5,5	9,5	3	1	6,5	10,5	20,5	9,5			2,37
Mean.	56,31	61,58				3,85	,95	,45	3,08	8,85	2,86	5,60	5,36	17,77	13,23				2,78
Total.						77	19	9,5	61,5	177	57	112	107	355,5	264,5				55,73

JUNE.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826			95	52	43	3,5	1,5	1	3	10	,5	6,5	4	11,5	18,5	14			7,45
1827	68,22	66,61	91	46	45	3			2	12	1,5	8	3,5	20,5	9,5	3			3,64
1828	68,22	75,33	94	46	48	1,5			3,5	16	2,5	4,5	2	19,5	10,5	2			4,25
1829	71,84	67,26	91	54	37	5	1		3	10	1	6	4	21	9	9			3,48
1830	65,81	66,64	87	50	37	3	,5		1	11,5	3,5	10	,5	14,5	15,5	13			8,23
1831	75,11	69,53	96	48	48	9				15,5	1	2,5	2	20	10	10			3,98
1832	64,29	70,74	91	45	46	7	1	,5	,5	9	4	6,5	1,5	19,5	10,5	4			3,23
1833	63,31	67,02	92	44	48	1,5			1,5	10,5	2,5	10,5	3,5	17,5	12,5	6			3,12
1834	63,12	65,62	91	42	49	2	1,5		2	6,5	4,5	2,5	11	13,5	16,5	12			2,87
1835	66,46	66,55	84	52	32	,5			,5	7	5	3,5	13,5	17	13	7,5			4,83
1836	70,65	70,90	90	42	48	2	4,5	6	4,5	4	1,5	3,5	4	11,5	18,5	5,5			4,69
1837	70,97	69,22	92	52	40	1,5	,5		6,5	5,5	5	8	3	12	18	8			4,65
1839	61,29	64,08	83	46	37	2	3,5		2	4,5	5	8	5	13	17	8			2,65
1840	63,84	68,26	92	48	44	2	,5	,5	6	1	4,5	6,5	9	18	12	10			1,93
1841	73,11	74,16	90	55	35			,5	7	2	8	7	5,5	17,5	12,5	6,5			2,00
1842	60,89	69,10	89	34	55	1,5	,5	1	2	12,5	4	6	2,5	20	10	10			3,17
1843	59,33	70,97	94	37	57	2	,5		2,5	9	7,5	6,5	2	19,5	10,5	8			4,10
1844	60,08	67,94	90	36	54	2			3	11,5	4,5	7,5	1,5	22,5	7,5	10			3,45
1845	71,25	65,75	99	43	56	1	,5	1,5	2	9	6,5	8,5	1	21,5	8,5	12			2,35
1846	68,02	67,99	94	46	48	2	1,5		4,5	8	2,5	1	10,5	15	15	3,5			4,41
Mean.	67,75	68,61				2,60	,87	,55	2,85	8,75	3,76	6,15	4,47	17,25	12,75				3,92
Total.						52	17,5	11	57	175	75	123	89,5	345	255				78,48

JULY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826			100	51	49	9			2,5	10	1	4	4,5	21	10	9			4,62
1827	73,76	69,54	90	51	39	1		,5	3	9	2,5	11,5	3,5	20,5	10,5	3			4,28
1828	67,66	72,60	91	53	38	2			2	11,5	4,5	8,5	2,5	14	17	11			5,15
1829	67,86	71,19	89	55	34	4				12,5	4	7,5	3	16	15	7			3,23
1830	69,66	77,86	98	51	47	6		2	,5	13,5	1,5	5,5	2	21,5	9,5	10			3,92
1831	72,08	72,03	90	47	43	4,5				16,5	2,5	4,5	3	21	10	11			3,93
1832	71,24	69,65	95	55	40	7			,5	13,5	3	5,5	1,5	16	15	10			5,13
1833	72,86	69,23	94	53	41	1,5	1	,5	1,5	12,5	4,5	8	1,5	21,5	9,5	9			4,08
1834	76,26	75,95	98	50	48	2		,5	,5	11,5	3,5	3,5	9,5	21,5	9,5	8			3,24
1835	70,75	70,79	90	52	38		,5		1	7,5	10,5	6	5,5	16	15	7			2,10
1836	78,76	73,13	97	52	45	3,5	3,5	,5	3,5	9,5	2	5,5	3	23	8	5			1,93
1837	71,75	70,72	94	54	40	,5	1	1	2	7	5	12	2,5	16	15	6,5			5,50
1839	70,68	75,43	95	54	41	2,5	,5		3,5	15,5	6,5		2,5	20,5	10,5	8,5			2,19
1840	72,17	72,88	92	53	39		1		5	1,5	5	12	6,5	22	9	5,5			1,98
1841	69,14	73,54	94	50	44				2,5	5,5	8	9	6	25,5	5,5	3,5			1,29
1842	72,13	63,86	97	48	49	1			2	10	3,5	11,5	3	23	8	7			2,40
1843	69,67	70,42	99	50	49	4,5			2	8,5	8	3,5	4,5	22	9	6			2,45
1844	68,45	69,78	91	42	49	4	,5		2	9,5	4	7,5	3,5	20,5	10,5	10			3,60
1845	72,97	73,07	99	49	50	4		,5	1	2,5	8	11,5	3,5	21	10	14			4,10
1846	73,89	72,91	101	49	52	6,5		,5	3,5	9	1,5	6	4	12,5	18,5	6			6,02
Mean.	71,67	71,82				3,17	,40	,30	1,92	9,82	4,45	7,16	3,78	19,75	11,25				3,55
Total.						63,5	8	6	38,5	196,5	89	143	75,5	395	225				71,14

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826			93	49	44	12	2	2	4,5	3	1,5	,5	5,5	18,5	12,5	2			1,14
1827	73,46	65,89	93	46	47	2	,5	,5	1,5	6,5	4,5	9	6,5	19,5	11,5	3			4,88
1828	72,13	73,62	96	51	45	,5				12,5	1,5	11,5	5	23	8	2			1,24
1829	72,52	68,09	93	47	46	5,5	,5		,5	12	1,5	8,5	2,5	22,5	8,5	5			1,61
1830	72,03	70,00	94	49	45	9	,5			11,5	1	7	2	21,5	9,5	4			2,05
1831	70,54	72,53	92	44	48	12,5	1	1		8,5		7	1	19	12	7			3,41
1832	73,86	66,00	92	44	48	5,5	,5			16,5	1	7	,5	22	9	9			4,41
1833	61,11	62,31	81	40	41	6	,5			10,5	1,5	9,5	3	19	12	6			3,50
1834	75,55	65,42	96	45	51	2			1	4,5	10	3	10,5	21,5	9,5	4			1,53
1835	68,83	66,90	90	44	46				2,5	6	8,5	2,5	11,5	18,5	12,5	8			4,10
1836	69,19	68,59	94	42	52	4	1			13	2	9,5	1,5	21,5	9,5	3			1,57
1837	72,36	68,05	92	48	44	4	1,5	,5	3,5	10,5	2	6	3	11	20	7			2,46
1838	68,14	70,12	91	48	43	3	4,5	1	5	7	4,5	4	2	21,5	9,5	2			,92
1840	69,40	72,70	90	53	37				6	9	4,5	11	,5	18,5	12,5	8,5			2,55
1841	72,16	71,33	93	48	45	4		1	5	5,5	7	7	1,5	21,5	9,5	6,5			3,30
1842	68,86	70,00	89	49	40	3,5	4	,5	1,5	10	1,5	7	3	19	12	12			3,35
1843	70,65	71,51	94	50	44	6,5	2		3,5	7	10	1,5	,5	14,5	16,5	11			5,10
1844	67,74	66,70	91	46	45		1		4,5	8,5	7,5	6	3,5	29	11	7			1,45
1845	77,36	74,84	104	50	54	2,5	2,5	2	6,5	4,5	4,5	2	6,5	22	9	11			2,50
1846	75,03	68,64	96	49	47	7,5			1	12,5	,5	6,5	3	14	17	3			1,38
Mean.	71,10	69,12				4,50	1,10	,42	2,32	8,97	3,75	6,30	3,64	19,42	11,58				2,62
Total.						90	22	8,5	46,5	179,5	75	126	73	388,5	231,5				52,45
SEPTEMBER.																			
1826			86	37	49	5	1,5		3	10	4,5	,5	5,5	17,5	12,5	9			3,90
1827	66,90	56,26	84	37	47	3,5	,5	,5	1	3	2,5	9	10	14	16	4			4,27
1828	64,25	61,61	87	46	41	8	,5		1,5	8,5	2	5,5	4	14	16	8			7,97
1829	60,13	54,69	94	31	63	3			,5	6,5	3	10,5	6,5	15,5	14,5	5			2,92
1830	63,75	57,61	80	32	48	10	1		,5	11		4	3,5	17,5	12,5	4			2,11
1831	66,34	57,94	86	40	46	6,5	,5		1	13	1,5	4	3,5	11,5	18,5	6			3,92
1832	59,75	63,72	84	39	45	4	1,5	,5	,5	11,5	3	4,5	4,5	20,5	9,5	6			2,37
1833	61,11	62,31	81	40	41	6				10,5	1,5	9,5	2,5	18,5	11,5	6			3,50
1834	63,61	61,78	90	28	62	,5			1	14	5	1,5	8	18	12	7			1,99
1835	63,12	61,97	85	36	49	1,5		,5	3	3,5	9,5	5,5	6,5	18	12	1,5			,95
1836	66,06	63,88	93	43	50	3,5	3			13	3	5	2,5	13,5	16,5	6,5			1,61
1837	65,57	60,42	86	38	48		1		3	11	2	4	9	18,5	11,5	3			1,55
1838	64,50	58,79	86	38	48	3	3	,5	2	6,5	7,5	7,5		19	11	4			2,59
1840	60,30	57,93	80	38	42				4	6	1,5	11,5	7	18	12	8,5			2,01
1841	66,21	61,44	83	40	43	1,5			10	4	1	2	11,5	19	11	4			4,10
1842	65,39	52,63	89	30	59	6		1	,5	10	2	4	6,5	14	16	9,5			2,90
1843	64,40	61,20	91	32	59	5,5	2,5	2,5	5	7,5	2	,5	4,5	20,5	9,5	3,5			2,80
1844	66,65	57,76	94	25	69	4,5	1		4	10	2	2	6,5	23	7	6			1,10
1845	63,76	61,41	89	40	49	3,5			6	5,5	2	9	4	17	13	15			4,35
1846	75,30	61,24	96	38	58	4	1		3	10,5	5,5	3	3	18	12	3,5			3,50
Mean.	64,58	59,71				3,98	,85	,27	2,47	8,78	3,05	5,15	5,45	17,27	12,73				3,02
Total.						79,5	17	5,5	49,5	175,5	61	103	109	345,5	254,5				60,41

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826			80	25	55	13,5				7,5	2	,5	7,5	19	12	7			2,22
1827	56,27	46,84	69	27	42	4	,5	1	2,5	5	5	7	6	11,5	19,5	4			4,32
1828	53,42	45,73	76	20	56	3			1	15	1	6,5	4,5	19	12	4			1,58
1829	51,74	49,82	74	20	54	4	1			13,5	1,5	6,5	4,5	20	11	5			2,78
1830	54,01	48,63	76	28	48	10,5	1,5	,5	,5	12	2	3	1	19,5	11,5	7			2,55
1831	52,28	51,61	79	27	52	8	1		1,5	10,5	2	6,5	1,5	16,5	14,5	9			5,20
1832	53,10	46,90	72	24	48	10	3		1	11	1,5	2,5	2	16,5	14,5	8			4,00
1833	53,15	45,36	74	20	54	5		,5		9,5	1,5	10,5	4	12,5	18,5	10	1		8,40
1834	53,60	44,00	73	24	49	1,5			,5	10	6,5	1	11,5	13	18	5	,5		4,02
1835	52,04	58,66	74	30	44				3	7	8	5	8	18	13	4,5			1,96
1836	59,66	42,80	69	21	48	4,5	2		2	5,5	3	10	4	18,5	12,5	6	1		4,40
1837	51,12	49,68	75	27	48	2	2	,5	1	8	2	6	9,5	13,5	17,5	5,5			2,47
1839	51,13	51,45	73	24	49	6	4,5	2	2	12,5	2,5		1,5	20	11	4,5			1,70
1840	55,09	46,80	75	26	49	3		1	6,5	3,5	3	11	3	13,5	17,5	4	,5	,5	3,48
1841	47,13	41,01	65	21	44	2,5			6,5	1,5	7,5	6	7	17	14	5,5			,85
1842	51,10	43,68	75	27	48	4			2,5	5,5	3	11	5	22	9	7			1,95
1843	49,07	30,92	80	21	59	1	1		3,5	5	4,5	8,5	7,5	17	14	9,5	1		4,05
1844	50,15	44,61	79	25	54	7,3			2	6	6	7,5	2	14	17	15	1		3,05
1845	59,41	45,48	82	17	65	2			2	13	4	6,5	3,5	21	10	9		1	2,05
1846	54,86	39,87	82	19	63	4	,5		2,5	5	9	3,5	6,5	9	22	5			2,83
Mean	52,59	46,46				4,80	,85	,27	2,03	8,33	3,77	5,95	5,00	16,55	14,45				3,19
Total.						96	17	5,5	10,5	166,5	75,5	119	100	331	289				63,86
NOVEMBER.																			
1826			62	22	40	3			1	13,5		3	9,5	24	6	8	2		1,52
1827	35,82	30,45	53	10	43	4,5			,5	5,5	1,5	9	9	10	20	2	2		4,19
1828	45,51	36,84	66	17	49	3			1	8,5	3,5	10	4	7	23	6	1	1	5,65
1829	39,20	37,26	58	17	41	7	2	,5	1	5,5	5	6,5	2,5	8	22	8	1	1	3,77
1830	48,90	41,68	67	30	37	13	5,5	,5	,5	5,5	1	2,5	1,5	9	21	7	1	2	5,48
1831	42,05	35,00	56	20	36	7				5	3,5	8	5	13,5	16,5	3	2		2,31
1832	41,36	38,26	58	19	39	5	,5			14,5	1,5	7	1,5	12	18	3	2	1	3,55
1833	41,86	31,85	62	13	49	8	1			9,5	2	7,5	2	15,5	14,5	4	2	1	3,67
1834	41,08	35,39	60	15	45	4,5				8	4	3	10,5	12	18	5		1	,80
1835	47,50	34,38	63	10	53				16	1	9		4	12,5	17,5	3,5	2		2,11
1836	42,40	36,52	65	16	49	4	1	,5	1	4,5	,5	14	4,5	15,5	14,5	4			2,45
1837	41,91	41,77	72	4	68	2	1		,5	8	1	11	6,5	11	19	4	1,5		1,77
1839	39,88	34,77	57	12	45	2,5			3,5	3,5	4	9	7,5	12,5	17,5	3,5	,5	,5	1,12
1840	41,64	33,58	54	21	33	1	2		2	1	4	11	9	15	15	3,5	,5	1	2,41
1841	40,84	30,14	70	10	60	2	1		5,5	3	1,5	13	4	9,5	20,5	3,5	3		2,87
1842	37,95	27,02	60	9	51	5,5	1		3	7	3,5	5,5	4,5	17	13	6	5	1	1,20
1843	30,53	34,10	66	12	54		2		3	2	4	13	6	20	10	4	2		2,20
1844	39,73	28,83	55	5	50				,5	9	2,5	14,5	3,5	14	16	8	3		1,65
1845	45,63	37,84	75	10	65	2,5	1		1,5	9,5	3	9	3,5	15	15	9	2	3	2,10
1846	53,75	36,62	63	20	43	3	1,5		3,5	1	4	3	14	7	23	4	1		5,59
Mean	41,95	34,86				3,88	1,05	,08	1,40	7,00	2,55	8,42	5,62	13,00	17,00				2,82
Total.						77,5	21	1,5	28	140	51	168,5	112,5	260	340				56,41

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826			57	—10	67	4				10,5	2,5	3	11	18,5	12,5	4	8		1,99
1827	33,34	23,45	48	—4	52	7		,5	,5	7,5	3	5,5	7	10,5	20,5	4	2		4,20
1828	39,33	30,23	55	—4	51	4	,5		,5	10,5	3,5	9	3	17	14	2			,21
1829	36,36	36,53	56	—10	46	8				9,5	3	8	5	10,5	20,5	4	2		2,01
1830	34,56	30,74	56	—2	54	5,5	3		,5	11	2	7,5	1,5	5	26	3	1	3	3,40
1831	14,24	15,97	35	—11	46	8,5				5	1,5	10,5	5,5	14,5	16,5		3	1	1,16
1832	31,82	25,10	43	—0	43	9	3,5		,5	6	,5	6	5,5	9,5	21,5	4	5	2	3,83
1833	29,53	27,73	42	—6	36	15	3,5	,5	1,5	4,5	1	2	3	10	21		5		1,55
1834	32,25	22,21	48	—10	58	15,5	,5			3,5	2,5	2,5	6,5	9,5	21,5	1,5	2		2,60
1835	21,53	29,66	42	—11	53	2				9,5	2	3,5	14	15	16	1,5	1		1,00
1836	33,88	24,31	52	—2	54	3,5	5,5		2,5	7,5	3	11,5	,5	15,5	15,5	3,5	2	1	4,07
1837	33,16	25,44	52	—7	59	2,5			1,5	6	1,5	7	12,5	9,5	21,5	2	3,5		1,77
1839	34,99	19,22	54	—1	53	11	,5			5		7,5	7	19,5	11,5	2	2,5		3,26
1840	25,43	20,36	42	—2	44	,5			3,5	2,5	2,5	13	9	14,5	16,5	1,5	4		3,30
1841	34,90	20,24	44	—3	47	1	3		4	5	6	2	10	10	21	6	4,5		5,27
1842	25,22	19,38	42	—12	54	3,5	,5		4	6	5	12	19,5	11,5	2	5			3,95
1843	22,93	31,05	42	—8	50	1	3		4	5,5	7	6,5	4	9,5	21,5	2,5	6		1,40
1844	27,07	23,86	47	—1	48	9		1	1,5	3	5,5	8,5	2,5	13	18	6	7	2	1,40
1845	19,89	22,20	36	—14	50	6			1	3	10	9	2	15	16		11	3	2,50
1846	24,79	27,30	48	—6	54	4,5	,5			5	3	8,5	8,5	12	19	2,5	5	,5	2,98
Mean.	29,22	25,00				6,05	1,00	,10	1,12	6,20	3,30	6,83	6,40	12,90	18,10				2,59
Total.						121	20	2	22,5	124	66	136,5	128	258	362				51,85

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	
	First Half.	Seco'd Half.																					
January, -	23, 39	21, 26	61	—23	89	4, 07	1, 50	, 05	1, 75	5, 85	3, 88	6, 32	7, 45	N 68° 43' W	40	11, 95	14, 27	16, 73				2, 29	45, 87
February, -	21, 09	27, 56	66	—25	91	3, 55	, 62	, 02	1, 75	5, 90	3, 00	7, 57	5, 80	S 80 38 W	41	12, 23	13, 70	14, 55				2, 07	41, 44
March, ---	31, 32	36, 81	78	—18	91	2, 22	, 86	, 02	1, 94	7, 42	2, 60	7, 67	6, 25	S 74 11 W	41	12, 40	17, 00	14, 00				2, 16	48, 26
April, ----	44, 66	51, 83	90	—4	86	5, 06	1, 20	, 17	2, 10	8, 10	1, 42	5, 71	6, 24	S 88 01 W	28	8, 59	16, 55	18, 45				2, 40	48, 16
May, -----	56, 81	61, 53	96	—25	71	8, 85	, 95	, 45	3, 08	8, 85	2, 86	5, 60	5, 36	S 61 25 W	31	9, 46	17, 77	18, 28				2, 78	55, 73
June, -----	66, 70	63, 61	99	—84	65	2, 60	, 87	, 55	2, 85	8, 75	3, 76	6, 65	4, 47	S 52 31 W	39	11, 65	17, 25	12, 75				3, 92	78, 45
July, -----	71, 67	71, 82	101	—42	59	8, 17	, 40	, 30	1, 92	9, 82	4, 56	7, 12	3, 77	S 53 23 W	46	13, 91	19, 75	11, 25				3, 55	71, 14
August, ---	71, 10	69, 12	101	—65	59	4, 50	1, 10	, 42	2, 32	8, 97	3, 75	6, 30	3, 64	S 58 13 W	38	10, 08	19, 42	11, 58				2, 62	52, 45
September, -	64, 58	59, 71	93	—80	65	3, 97	, 85	, 27	2, 47	8, 78	3, 05	5, 15	5, 45	S 63 23 W	82	9, 73	17, 27	12, 73				8, 02	60, 41
October, ---	52, 59	46, 46	82	—17	65	4, 30	, 85	, 27	2, 03	8, 33	3, 77	5, 95	5, 00	S 65 23 W	36	10, 82	16, 55	14, 45				8, 19	63, 86
November, -	41, 95	34, 86	75	—4	71	8, 37	1, 05	, 08	1, 40	7, 00	2, 55	8, 42	5, 62	S 81 30 W	42	12, 66	13, 00	17, 00				2, 82	54, 41
December, -	29, 22	25, 00	56	—14	70	6, 05	1, 00	, 10	1, 12	6, 20	3, 30	6, 83	6, 40	N 81 10 W	41	12, 25	12, 90	18, 10				2, 59	51, 85
Mean, ----	47, 92	47, 98				3, 98	, 94	, 22	2, 07	7, 83	8, 21	6, 61	5, 46	S 73° 38' W	36	10, 82	16, 28	13 16				2, 79	55, 58

Highest degree, August 27, 1845, and July 14, 1846, - - - - - 101°
 Lowest degree, January 4, 1835, - - - - - —23
 Extreme range in 20 years, - - - - - —129
 Greatest monthly range in February and March.
 Least monthly range in July and August.

Mean monthly range, 74°.
 Driest month, February.
 Wettest month, June.
 Total fall of rain and snow in 20 years, 55 feet 7,06 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1826	26.29	29.00	86.00	43.00	68.00	72.00	73.00	66.00	63.33	52.00	40.00	27.54	49.63	100	-18	118		February 1,	July 12,	October 9,	November 22.
1827	17.76	29.19	36.66	52.07	58.66	67.41	71.65	69.67	61.58	51.55	32.88	28.89	48.12	93	-26	119	79	January 20,	August 5,	October 17,	
1828	29.02	34.82	88.08	44.58	59.86	71.77	70.13	72.87	62.93	49.57	41.17	34.78	51.71	96	-12	108	61	January 24,	August 81,	October 15,	
1829	22.12	18.26	80.84	45.02	63.05	69.55	69.52	70.30	57.41	50.78	38.23	36.44	47.70	94	-17	111	63	February 5,	Sept. 2,	September 28,	
1830	22.53	23.36	36.15	54.45	58.46	65.93	73.76	71.01	60.68	51.35	45.29	32.65	49.64	98	-20	118	73	February 7,	July 21,	September 18,	
1831	19.56	19.84	39.18	48.98	60.95	72.32	72.05	71.53	62.14	51.94	38.02	15.19	47.63	96	-16	112	64	December 22,	June 11,	October 1,	November 22.
1832	23.01	23.41	84.81	44.73	54.53	67.51	70.45	69.93	61.73	50.00	89.81	25.46	47.36	95	-17	112	66	January 26,	July 2,	October 15,	November 14.
1833	29.50	21.18	31.92	51.88	62.61	65.16	71.04	67.63	61.71	49.26	36.85	23.63	48.11	94	-15	109	69	February 2,	July 14,	October 1,	October 20.
1834	21.65	35.28	36.52	48.23	54.10	64.37	76.10	70.48	62.69	48.80	38.28	27.23	48.64	98	-10	108	58	January 24,	July 8,	November 24,	
1835	22.32	23.59	35.80	48.23	57.52	67.50	77.67	86.62	62.04	55.35	40.98	25.29	48.10	99	-28	118	74	January 4,	August 13,	September 15,	November 28.
1836	25.55	18.90	30.17	41.40	63.55	69.27	75.94	68.89	64.97	46.73	39.46	29.09	47.82	97	-24	121	73	February 5,	July 8,	September 6,	October 12.
1837	18.98	27.41	33.89	46.91	59.95	70.09	71.24	70.20	62.99	50.40	41.84	29.30	48.55	94	-16	110	68	January 14,	August 2,	September 24,	November 24.
1839	22.79	27.25	82.16	48.66	56.47	62.68	78.05	69.18	61.64	51.29	87.32	27.10	47.46	95	-18	108	64	January 1,	July 30,	November 19.	
1840	14.18	39.37	34.26	46.96	60.00	66.05	72.52	71.05	59.11	50.94	87.66	22.89	47.16	92	-21	113	62	January 16,	August 21,	October 25.	
1841	25.08	21.20	29.97	42.47	56.61	73.63	71.31	71.74	63.82	44.07	35.49	27.57	46.91	94	-21	115	60	January 4,	July 24,	October 1,	November 8.
1842	25.29	30.29	39.03	48.00	55.40	64.99	67.99	69.43	52.01	47.39	32.48	22.50	46.22	97	-12	109	78	December 24,	July 18,	September 24,	November 16.
1843	30.29	15.13	21.85	46.60	57.14	65.15	70.04	71.07	62.80	44.49	32.31	26.99	45.28	99	-25	124	77	February 16,	July 1,	September 18,	October 22.
1844	12.03	20.81	32.55	52.08	60.11	64.01	69.12	67.22	62.20	47.38	36.28	25.66	45.60	94	-21	115	86	January 29,	Sept. 20,	September 28,	October 81.
1845	23.02	23.96	38.40	45.09	55.95	68.50	73.02	76.10	62.58	52.44	41.73	21.05	48.54	104	-14	118	77	February 2,	July 13,	October 15,	October 20.
1846	24.18	18.55	35.90	51.63	60.59	68.00	73.40	71.83	63.27	47.86	45.18	26.04	49.24	101	-20	121	77	February 26,	July 10,	October 11,	November 25.
Mean.	22.75	24.56	34.19	47.60	59.15	67.84	71.75	70.20	61.83	49.65	88.56	27.12	47.97								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1826	66,5	6,5	3	17,5	113	19,5	38	101	N 82° 41' W	38	140,00	187	178	92	33	
1827	45	8	3	18	89	29	95,5	77,5	S 83° 37' W	41	150,83	190	175	89	17	1
1828	44	5	1,5	21,5	121	33	88	52	S 59° 31' W	41	148,47	183,5	182,5	65	82	2
1829	67	11,5	2	9	100	29	90	56,5	S 84° 58' W	37	134,48	195	170	56	10	2
1830	94,5	22,5	6	6	110,5	21	77	27,5	N 89° 50' W	24	85,14	193,5	171,5	68	14	6
1831	98	7,5	2	6	125	17	70,5	39	S 83° 59' W	27	99,09	195	170	70	16	4
1832	93	17,5	1	5	126	23	71	29,5	S 77° 53' W	26	93,29	191	175	67	18	8
1833	78,5	11,5	1,5	8	125,5	19	90,5	30,5	S 71° 44' W	32	116,08	189	176	66	17	4
1834	34,5	6,5	1,5	9,5	110	49,5	26,5	127	S 80° 38' W	38	140,36	195	170	69	9,5	2
1835	12	3	,5	15	75	76	63,5	120	S 76° 58' W	53	190,27	196,5	168,5	45	7,5	
1836	35	24	8	21,5	99	24,5	83,5	70,5	S 74° 57' W	31	114,46	192,5	173,5	45,5	16	4
1837	31,5	17	5,5	29	83,5	24,5	103	71	S 78° 04' W	37	135,47	162	203	54,5	14	2
1839	54	20	3,5	27,5	115,5	45,5	48,5	50,5	S 51° 24' W	28	101,43	206,5	148,5	48,5	5,5	1,5
1840	19,5	13	2	55,5	47,5	44	111	73,5	S 75° 29' W	41	148,38	209	157	62,5	15	2,5
1841	21,5	4	1,5	60	45,5	62,5	89	81	S 70° 38' W	41	148,86	197	168	54,5	23	,5
1842	35,5	11	3	47,5	90	41,5	82	54,5	S 56° 02' W	35	127,22	208	157	90	20	2
1843	32,5	20	3,5	40	65	68	84	52	S 64° 46' W	37	135,86	207	158	58,5	31,5	2,5
1844	48	3,5	1,5	31,5	86	49	88	58,5	S 69° 39' W	40	146,97	209	157	95	27	2
1845	30,5	7,5	4	33	78	56	104	57	S 68° 25' W	44	162,65	222,5	142,5	105	31	12
1846	54	6	,5	37,5	80,5	37,5	69,5	79,5	S 81° 03' W	33	122,45	172,5	192,5	49,5	18,5	4
Mean.	49,74	11,27	2,75	24,92	94,02	38,45	78,65	65,42	S 74° 28' W	35	128,46	195,02	170,22			
Total.	995	225,5	55	498,5	1880,5	769	1573	1308,5				3900,5	3104,5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1826	2.42	1.64	2.56	1.77	.93	7.45	4.62	1.14	3.90	2.22	1.52	1.99	32.16	May.	June.
1827	5.13	2.42	2.24	2.98	3.21	3.64	4.28	4.83	4.27	4.32	4.19	4.20	46.81	March.	January.
1828	1.89	1.89	1.17	2.50	4.41	4.25	5.15	1.24	7.97	1.53	5.65	0.21	87.91	December.	September.
1829	4.63	3.19	2.49	4.92	3.26	3.48	3.23	1.61	2.92	2.73	3.77	2.01	38.34	August.	April.
1830	.97	1.44	4.97	2.09	8.46	8.23	3.92	2.05	2.11	2.55	5.48	3.40	40.67	January.	June.
1831	1.62	2.01	2.26	5.13	2.75	3.93	3.93	3.41	3.92	5.20	2.31	1.16	37.83	December.	October.
1832	4.52	5.52	1.99	8.11	4.17	3.23	5.13	4.41	2.37	4.00	3.55	3.33	45.83	March.	February.
1833	2.92	2.85	1.91	.87	7.86	3.12	4.08	3.50	3.50	3.40	3.67	1.55	44.49	April.	October.
1834	.95	.83	1.82	2.52	8.04	2.87	3.24	1.53	1.99	4.00	.80	2.60	25.74	February.	October.
1835	.25	1.30	.17	1.52	1.86	4.83	2.10	4.10	.95	1.96	2.11	1.00	22.55	March.	June.
1836	4.33	2.70	1.25	1.60	2.38	4.69	1.93	1.57	1.61	4.40	2.45	4.07	33.68	March.	January.
1837	1.78	2.03	2.81	2.26	4.74	4.65	5.50	2.46	1.55	2.47	1.77	1.77	33.34	September.	July.
1839	1.00	.15	.58	1.24	.92	2.65	2.19	.92	2.59	1.70	1.12	3.26	18.82	February.	December.
1840	1.90	2.85	3.08	8.52	.20	1.93	1.93	2.55	2.01	3.43	2.41	3.30	29.21	May.	April.
1841	2.30	.92	1.75	1.50	1.69	2.00	1.29	3.30	4.10	.85	2.87	5.27	27.84	October.	December.
1842	2.25	1.00	2.06	4.43	.90	3.17	2.40	3.35	2.90	1.95	1.20	3.95	29.56	May.	April.
1843	1.90	1.90	3.45	2.90	.73	4.10	2.45	5.10	2.80	4.05	2.20	1.40	32.88	May.	August.
1844	.81	1.95	1.15	.50	4.35	8.45	3.60	1.45	1.10	3.05	1.65	1.40	24.46	April.	May.
1845	2.20	1.60	3.00	1.50	2.50	2.35	4.10	2.50	4.35	2.05	2.10	2.50	30.75	April.	September.
1846	1.50	8.70	2.95	.25	2.37	4.41	6.02	1.33	3.50	2.33	5.59	2.93	27.43	April.	July.
Mean.	2.29	2.07	2.16	2.40	2.78	3.92	3.55	2.52	3.02	3.19	2.82	2.59	33.47		
Total.	45.87	41.44	43.26	48.16	55.77	73.48	71.14	52.45	60.41	63.76	56.41	51.85	669.75		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1826	10	31	25	1	24	17	18	11	16	8	10	6	12	25	20	3	4	23	6	27	17	24	17	28
1827	27	20	28	12	27	4	11	1	27	1	8	1	1	26	5	14	6	29	9	31	4	23	15	23
1828	7	24	7	12	28	4	29	1	17	8	27	9	26	13	31	20	1	9	9	30	4	18	3	31
1829	7	3	26	5	31	16	20	4	25	10	7	10	15	2	8	26	2	16	25	22	17	12	7	4
1830	16	30	20	7	21	9	30	23	5	10	21	26	21	9	7	26	14	18	14	26	16	30	31	22
1831	21	4	5	16	8	25	9	15	9	31	23	11	11	4	29	21	30	11	29	3	30	11	22	24
1832	19	26	12	25	25	18	26	5	14	24	16	6	1	11	14	25	20	13	20	26	2	21	8	30
1833	5	19	18	1	31	2	29	15	19	3	30	9	1	19	5	29	29	13	17	31	9	20	31	13
1834	17	24	22	7	19	30	15	27	20	15	23	2	8	30	12	28	4	29	2	25	10	15	1	26
1835	26	4	22	4	28	3	11	17	19	14	11	30	13	10	13	31	6	30	18	9	4	30	26	16
1836	13	16	25	5	31	3	26	11	21	13	8	20	8	22	28	20	19	29	1	31	11	25	10	30
1837	31	14	27	17	28	1	29	1	31	1	30	17	1	17	2	23	10	23	23	29	21	27	2	22
1839	26	1	12	9	27	3	24	15	25	3	10	13	30	6	24	29	9	28	9	21	15	26	8	30
1840	30	16	23	4	4	11	25	1	17	6	29	2	17	1	22	8	9	21	8	26	3	19	9	25
1841	7	4	28	12	25	17	26	11	24	3	28	18	24	3	18	23	3	30	31	25	1	30	4	22
1842	30	3	3	9	4	31	22	1	18	2	30	11	13	31	18	1	12	23	1	20	1	29	15	24
1843	21	4	26	16	28	7	26	3	14	2	27	2	1	3	31	21	3	28	2	27	34	30	27	13
1844	3	29	22	24	13	31	14	1	26	21	18	11	30	4	9	22	20	29	3	28	12	28	9	29
1845	28	31	21	13	31	16	24	8	12	9	8	30	13	3	8	27	2	16	11	21	4	28	29	12
1846	30	18	3	26	20	1	18	15	26	11	18	22	10	14	31	18	5	22	7	19	3	25	27	16

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1826	61	— 7	60	—18	67	12	78	17	96	42	95	52	100	51	93	49	86	37	80	25	62	22	57	10
1827	53	—26	51	— 8	69	1	74	30	90	36	91	46	90	51	93	46	84	37	19	27	53	10	48	— 4
1828	47	—12	59	— 9	73	12	66	25	80	36	94	46	91	53	96	51	87	46	76	20	66	17	55	4
1829	48	—14	39	—17	59	3	77	27	93	37	91	54	89	55	93	47	94	31	74	20	58	17	56	10
1830	41	—13	53	—20	61	8	86	25	81	32	87	50	98	51	94	49	80	32	76	28	67	30	56	2
1831	58	—16	42	—13	60	14	72	30	95	34	96	48	90	47	92	44	86	40	79	27	56	20	35	—11
1832	49	—17	45	—15	65	2	80	16	85	35	91	45	95	55	92	44	84	39	72	24	58	19	43	0
1833	52	— 8	47	—15	65	— 4	90	24	90	33	92	44	94	52	88	46	81	40	74	20	62	13	42	6
1834	48	— 4	57	— 4	58	10	74	22	81	25	91	42	98	50	96	45	90	28	73	24	60	15	48	—10
1835	46	—22	44	— 0	54	8	67	23	86	33	84	52	90	52	90	44	85	36	74	30	63	10	42	—11
1836	42	—19	49	—24	64	0	78	22	88	31	90	42	97	52	94	42	93	43	69	21	65	16	52	— 2
1837	44	—16	48	—12	52	—13	77	28	88	30	92	52	94	54	92	48	86	38	75	27	72	4	52	— 7
1839	51	—13	48	— 3	58	4	73	32	82	33	83	46	95	54	91	48	86	38	73	24	57	12	54	1
1840	39	—21	46	— 6	63	2	81	24	87	36	92	48	92	53	90	53	80	38	75	26	54	21	42	— 2
1841	45	—21	43	—16	57	0	70	20	87	32	96	55	94	50	93	48	83	40	65	21	70	10	44	— 3
1842	47	— 8	57	— 3	67	14	82	9	84	33	89	34	97	48	89	49	89	30	75	27	60	9	42	—12
1843	60	—17	44	—25	43	—10	76	6	89	34	94	37	99	50	94	50	91	32	80	21	66	12	42	— 8
1844	40	—21	56	—17	58	2	90	4	92	30	90	36	91	42	91	46	94	25	79	25	55	5	47	— 1
1845	46	— 6	66	—11	78	9	84	20	95	31	99	43	99	49	101	50	89	40	82	17	75	10	36	—14
1846	47	—13	42	—20	65	—12	88	24	92	36	91	46	101	49	96	49	98	88	82	19	63	20	48	— 6
Highest.	61		66		78		90		96		99		101		101		98		82		75		56	
Lowest.		—28		—25		—13		4		25		34		42		42		25		17		4		—14
Range.		89		91		91		86		71		65		59		59		73		65		71		70

SUMMARY OF OBSERVATIONS AT LEWISTON HIGH SCHOOL ACADEMY,

LEWISTON, NIAGARA COUNTY, N. Y., DURING 18 YEARS.

Rain gage 13 years. Mean temp. of separate halves of months in the year 1839, not given.

Latitude N. 43° 09'; Longitude W. 79° 10'. Elevation above tide 280 feet. On the eastern bank of the Niagara River, near Lake Ontario.

OBSERVERS.

1831, JACOB HOOKE QUINBY, Principal.
1832, '3, SULLIVAN CAVERNO, Principal.
1834, SHERBURNE B. PIPER, Principal.
1835, '6, '7, M. H. FITTS, Principal.
1839, Not stated. (results of temp. only given.)
1840, Not stated.
1841, M. H. FITTS, Principal.
1842, R. E. LANE and THOMAS S. RUSSELL, Teachers

1843, ex. Rain gage. M. H. FITTS Principal, and THOMAS S. RUSSELL, Teacher.
1844, '5, ex. Rain gage. M. H. FITTS, Principal.
1846, M. H. FITTS, Principal.
1847, ex. Rain gage. M. H. FITTS, Principal.
1848, JONATHAN BELL, Esq., Trustee, and B. BATCHELLER, Principal.
1849, JONATHAN BELL, Esq., a Trustee.

JANUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1831	35,05	18,29	60	45,6	4,5	3		,5			8	8,5	6,5	16	15	1	3,5		1,25
1832	29,55	23,70	54	45,8	3	5,5	1,5	3	4	10	1,5	2,5	19,5	11,5	3,5	3			,66
1833	33,87	26,87	62	35,9	4	1,5	1	2	5,5	9	4,5	3,5	5,5	25,5	2	3,5			,56
1834	23,93	26,87	50	24,8	1,5	3,5	3	2	,5	19	1	,5	9	22	2,5	7			1,25
1835	22,88	35,26	50	14,9	2	2,5	1	2,5	5	15	2	1	13,5	17,5	3	3			3,31
1836	30,71	17,41	48	04,8	3	5	1,5	1,5	2,5	11	1	5,5	14,5	16,5	1	3			
1837	35,48	23,09	43	64,9	4,5	2	4,5	4,5	10	5	,5		8	23		5			1,80
1839			50	25,2	2,5	6,5	1,5	,5	2,5	11	3	3,5	17,5	13,5	1	4			,56
1840	18,53	19,46	38	34,1	6	2,5	1	1,5	13,5	8,5	1	1,5	8	23	1	4			1,73
1841	30,08	30,33	53	05,3	3	2,5	1	,5	2	3,5	18	1	8	23	1,5	5			1,25
1842	27,46	34,53	55	14,1	1	2,5	,5	2	3,5	18	1	2,5	12	19	1,5	1			,70
1843	30,02	34,64	58	94,9	10,5	,5	,5	2	15,5		2		11	20	2	,5			
1844	28,10	17,53	47	04,7	1,5	4	5,5	1,5	1	7	6	4,5	12,5	18,5	3	6			
1845	29,97	28,42	48	13,35	2	3	,5	1,5	3	9,5	6	5,5	15,5	15,5	4	7			
1846	34,47	27,82	50	54,5	5,5	2	1	1	9	9,5	2,5	,5	20	11	4	1			1,05
1847	31,66	24,67	54	35,1	1	2			8	9,5	8,5	2	18	13	4	4	1		
1848	30,81	34,11	48	44,4	6	1,5	1	2,5	4	10	1,5	4,5	8,5	22,5	2	1			2,10
1849	20,93	27,52	50	24,8	1,5	1	3	3	2,5	8	7	5	9	22	4	3	2		2,00
Mean.	29,03	26,50				2,53	3,53	1,78	1,64	4,23	11,22	3,23	2,84	12,56	18,44				1,40
Total.						45,5	63,5	32	29,5	76,5	202	58	51	226	332				18,22

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1831	18,86	29,40	54	—	256	1	3	,5	2	2	11	6,5	2	14,5	13,5	,5	4		1,57
1832	25,61	16,63	42	—	648	4,5	5,5	1	,5	3,5	9,5	3	1,5	13	16	2	6		1,60
1833	24,69	28,12	45	12	33	1,5	4	1	4	4	7	3	3,5	11	17		4		1,48
1834	32,27	40,50	59	10	49		4,5	1,5	,5	1,5	13,5	,5	6	11,5	16,5	2,5	3,5		,71
1835	17,00	29,38	48	—	149	2	4	1	,5	2,5	15	1	2	10,5	17,5	1,5	5		2,30
1836	15,32	29,17	66	—	571	3	2	1	1	1,5	11	6,5	3	15	14	1	3		
1837	23,31	23,64	44	—	347	2	3,5	2,5	1,5	9,5	7		2	13	15	1	4		,40
1839			48	3	45	3,5	3,5	1,5		5	7,5	3,5	3,5	14,5	13,5	2,5	1,5		1,08
1840	27,21	35,02	60	6	54	,5	2,5	2	1	3	13	6	1	8	21	3,5	3		1,57
1841	24,13	31,93	44	1	43	2,5	1		1,5	8,5	10,5	2	2	16,5	11,5		1,5		,34
1842	32,17	29,20	54	10	44	1	3	,5	3	2	16	1,5	1	10,5	17,5	1,5	2		1,30
1843	19,74	20,89	37	0	37		5,5	,5	1		15,5	2	3,5	8	20		3,5		
1844	27,05	33,13	53	5	48	1	2,5	2,5	1	7,5	8	3,5	3	17	12		1		
1845	21,54	38,32	54	4	50	1,5	3		3		11	4	5,5	10,5	17,5	1	3		
1846	30,31	22,20	47	5	42	,5	2	3,5	2	7	9	2,5	1,5	19,5	8,5		5		,50
1847	30,01	25,82	52	12	40	2	2,5	3,5	3,5	5	2,5	5	4	14,5	13,5		6	3	
1848	28,23	32,38	54	4	50	5,5		1	1,5	11	4	3	3	17,5	11,5	2	1		,53
1849	22,82	27,77	60	—	464	2	1,5	4	3	3,5	8	5	1	15	13	3	9		1,10
Mean.	23,37	29,03				1,89	2,97	1,53	1,69	4,28	9,94	3,25	2,62	13,33	14,94				1,11
Total.						34	53,5	27,5	30,5	77	179	58,5	49	240	269				14,48

MARCH.

1831	41,16	42,11	67	22	45	2	2,5	2	4	4,5	9,5	2,5	4	9,5	21,5	2,5	3	1,5	1,12
1832	32,07	38,63	62	8	54	1	1,5			7,5	12,5	5	3,5	20,5	10,5	1	2		,80
1833	28,34	43,97	70	0	70	3	4,5	2	,5	1	12	5,5	2,5	11	20		1		,15
1834	36,58	37,22	61	10	51	1,5	5	,5	2	,5	8	7	6,5	13	18	2,5	3		2,29
1835	26,01	44,07	60	4	56	2	4,5	,5	1	1	16	4,5	1,5	11	20	,5	2,5		,75
1836	22,80	34,84	70	5	65	4,5	,5	2	1	3	15,5	3,5	1	22,5	8,5	1,5	2		
1837	27,62	31,36	57	0	57	6,5			1,5	12,5	3,5	5	2	16,5	14,5	3	1,5		,25
1839			62	5	57	2,5	4	,5	1	3	8,5	7,5	4	21	10	3	4,5		1,79
1840	33,43	34,76	53	12	41	1	2,5	4	,5	1	4	12	6	15,5	15,5	3	3		1,46
1841	30,09	39,59	64	12	52	7,5	3,5	2		10,5	5,5	,5	1,5	15	16	2	2		3,95
1842	39,38	41,28	58	22	36	1,5	7	3	1,5	3,5	11		3,5	12,5	18,5	1,5	1,5		,82
1843	25,09	28,12	45	6	39	,5	3,5		2,5		20,5	,5	3,5	9,5	21,5		2,5		
1844	37,48	31,33	57	17	40	,5	3	1	4,5	6	5	4	7	16	15	5	5		
1845	35,80	39,39	77	17	60	1,5	1		,5	7	11	7	3	23	8	3	3		
1846	37,62	38,80	59	8	51	1	2	3	,5	13	8	3	,5	22,5	8,5	2			,35
1847	29,94	33,02	57	16	41	3,5	2	1	2	5	3	10,5	4	17,5	13,5	2			
1848	26,70	39,59	72	6	66	4,5	,5	4	1,5	7	2,5	7	4	13,5	17,5	4	3	1	1,91
1849	34,33	38,45	59	16	43	2	1,5	6,5	2	3	8,5	5,5	2	14	17	9			2,54
Mean.	32,03	37,42				2,58	2,72	1,78	1,47	4,94	9,14	5,04	3,33	15,78	15,22				1,39
Total.						46,5	49	32	26,5	89	164,5	90,5	60	284	274				18,18

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1831	46,34	49,38	70	20	50	2	4	5,5	2	1	9	3	3,5	17	13	3,5		1	3,29
1832	44,14	47,47	68	30	38	1,5	6	1,5		3,5	5	4,5	8	20	10	4,5			,73
1833	48,19	55,59	80	32	48	2	1,5	1	2	4	14	3,5	2	12	18	,5			1,56
1834	51,64	48,96	79	33	46	,5	4,5	4,5	3,5	,5	13	2,5	1	13	17	7	,5		1,46
1835	47,26	40,58	67	24	43		1,5		2	1,5	14,5	6,5	4	11	19	5,5	1		2,47
1836	35,48	44,93	68	22	46	2,5	1,5	4	5,5	5	7	2,5	2	18,5	11,5	4	,5		
1837	36,52	39,27	72	18	54	7	,5	1		11,5	7	,5	2,5	16	14	,5	2,5		,50
1839			77	25	52	2	4	2,5	1	1,5	10,5	2,5	6	20,5	9,5	4,5	1		1,25
1840	44,91	55,67	82	21	61	2,5	1,5	2,5		4,5	7	9,5	2,5	19	11	5	,5		1,31
1841	39,66	49,13	77	28	49	6	2,5	3,5	1,5	6	4,5	3	3	19	11	3	,5		2,10
1842	43,20	48,99	78	28	50	4	7	1	2	,5	10		5,5	15,5	14,5	3,5			1,30
1843	39,32	47,98	74	23	51	3	3,5	2	5	6,5	6	3,5	,5	14,5	15,5	1,5	,5		
1844	51,31	51,90	73	16	57	4,5	,5	2,5	,5	6,5	9	5	1,5	18,5	11,5	3			
1845	48,87	52,74	76	31	45	4	,5	1,5	2	4,5	12,5	4	1	20,5	9,5	10			
1846	41,66	53,44	78	24	54	7,5	,5	1	1	3	10	3,5	3,5	21,5	8,5	6	2		1,05
1847	43,31	43,20	74	22	52	8	,5	,5		9,5	2	2	7,5	19	11	5	1		
1848	48,44	47,17	72	28	44	,5		3,5	1	14	1	3,5	6,5	21	9	5	1		,93
1849	42,64	43,75	71	24	47	1,5	,5	2	1,5	5,5	7,5	6,5	5	19	11	9	1		1,76
Mean.	44,17	48,24				3,28	2,25	2,22	1,69	4,94	8,30	3,68	3,64	17,50	12,50				1,51
Total.						59	40,5	40	30,5	89	149,5	66	65,5	315,5	224,5				19,71
MAY.																			
1831	52,81	66,27	83	38	45		2,5		2,5	2	16,5	4	3,5	17	14	3,5			1,57
1832	58,84	53,55	80	41	39	1,5	4	2	3	2,5	11,5	4,5	2	20,5	10,5	4,5			3,04
1833	61,07	63,62	80	50	30	1,5	6,5	1	3	1	12,5	3,5	2	18	13	6			3,31
1834	52,35	67,21	84	28	56	,5	2	2	2	3,5	18	2	1	22	9	3,5	1		,21
1835	56,17	60,39	80	37	43	3	7		1	1	14	1,5	3,5	20	11	4,5			2,86
1836	54,31	55,17	80	32	48	6	6	2,5	3	9,5	2,5	1,5		19,5	11,5	3,5			
1837	49,72	52,94	96	25	71	7	1	,5		11,5	7	2	2	20,5	10,5	3			1,25
1839			82	30	52	1,5	2	1,5	2	2,5	8	8	5,5	16,5	14,5	8			2,40
1810	52,34	66,58	88	40	48	5,5	5	3	1,5	2	6,5	,5	7	18,5	12,5	6			2,32
1841	47,33	56,96	82	32	50	4,5	2,5	1	1,5	3,5	6,5	8,5	3	25,5	5,5	1,5	,5		1,11
1842	50,63	56,72	83	34	49	4	4,5	1,5	3,5		10,5	1	6	22	9	3			,75
1843	54,11	54,45	82	36	46	4,5	8,5		1,5	6,5	6,5	2,5	1	19,5	11,5	1,5			
1844	57,35	59,58	83	36	47			,5		5,5	20,5	4,5		21	10	9			
1845	56,21	52,95	92	36	56	1,5	,5			7	13,5	6	2,5	23,5	7,5	5			
1846	57,38	63,41	84	40	44	2,5	4,5	2		4,5	15	1	1,5	22,5	8,5	7			2,00
1847	54,25	62,34	82	34	48	2,5	4	3	1	8	10,5	1,5	,5	20,5	10,5	8			
1848	54,00	65,77	92	40	52	3	,5	1,5		11	4	6	5	19,5	11,5	10			2,55
1849	49,42	57,59	78	32	46	2	6,5	5,5	1	2	2	8	4	17,5	13,5	11			2,42
Mean.	59,89	59,85				2,83	3,75	1,53	1,47	4,64	10,31	3,69	2,78	20,22	10,78				1,98
Total.						51	67,5	27,5	26,5	83,5	185,5	66,5	50	364	194				25,79

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1831	68,68	70,41	88	58	30		1	2	6,5		17	2	1,5	22,5	7,5	5,5			3,18
1832	64,46	71,53	85	52	33		1,5	4		3,5	10,5	10	,5	23,5	6,5	2,5			,85
1833	61,64	67,63	80	50	30	1	1		1	1,5	19,5	2	4	18,5	11,5	6,5			3,15
1834	66,33	66,65	88	51	37	2			1	1,5	18	6	1,5	19,5	10,5	4,5			3,03
1835	68,67	63,84	88	47	41	1,5	3	,5	2		17,5	2,5	3	17	13	6			2,78
1836	62,09	61,92	82	42	40	2	1	8,5	4,5	7,5	3,5	3		19	11	5			
1837	64,47	61,46	88	48	40	6			,5	15	4	2,5	2	22	8	3,5			3,20
1839			83	43	40	2,5	3	,5	,5	5	12,5	3	3	17,5	12,5	10			2,76
1840	62,73	69,99	92	49	52	1,5	1,5	2	,5	5	11	1,5	7	13,5	16,5	6,5			3,00
1841	70,61	71,16	93	52	41	2	,5	4,5	1	3,5	12,5	5	1	20,5	9,5	1			2,30
1842	58,87	65,23	84	38	46	5	2,5	2	,5	3	9	7	1	16	14	5,5			2,31
1843	56,77	71,48	90	39	51	2,5	1			2	19	2,5	3	20	10	3			
1844	59,68	67,60	83	40	43	,5			,5	3	21	5		25	5	5			
1845	67,36	62,50	91	46	45	3				4,5	16	2,5	4	22,5	7,5	4			
1846	65,22	69,79	90	45	45	3,5		2		2,5	17,5	2,5	2	24,5	5,5	6			1,50
1847	62,05	65,09	95	45	50				1	8	14,5	6	,5	17	13	7			
1848	67,81	77,69	96	49	47	,5		,5		9	6,5	9	4,5	27	3	4			1,76
1849	63,73	72,94	90	46	44	1,5	3,5	1,5	,5	10	5,5	5	2,5	24,5	5,5	7			2,14
Mean.	64,19	68,05				1,94	1,08	1,56	1,11	4,69	13,06	4,28	2,28	20,56	9,44				2,46
Total.						35	19,5	28	20	84,5	235	77	41	370	170				31,96
JULY.																			
1831	72,70	75,67	87	58	29			,5	3,5	1,5	19	6	,5	18	13	5			3,32
1832	74,60	71,17	90	58	32		1,5	3	2	2,5	8,5	11	2,5	25	6	2			,52
1833	71,00	71,12	87	59	28	1	1,5		4	2,5	16,5	,5	5	17,5	12,5	7			3,98
1834	73,17	76,32	91	63	28	,5	1	,5	,5	4	14,5	6	4	21,5	9,5	4			4,16
1835	69,27	72,50	89	56	33	1,5	1	1		,5	22,5	1,5	3	21	10	3			,80
1836	68,07	66,11	88	54	34	1	,5	3	6	17,5	1	1	1	27,5	3,5	1,5			
1837	66,02	67,81	86	54	32	5,5			1	15	4	4	1,5	25,5	5,5	1			1,60
1839			91	53	38		1,5	1	,5	6	16,5	3	2,5	18,5	12,5	10			2,37
1840	72,61	73,53	97	49	48	3	6	,5	,5		13,5	3	4,5	14,5	16,5	4,5			2,86
1841	69,36	71,48	94	61	33	2	1,5		,5	1,5	13,5	8	4	22	9	4			2,30
1842	66,72	71,11	90	50	40	,5	4,5	,5	,5	3,5	18,5	2	1	23,5	7,5	4,5			1,93
1843	70,61	71,85	91	52	39	1,5	1,5				18	3	7	22	9	2			
1844	69,46	70,63	87	51	36	4,5	2,5		2	3,5	12	4,5	2	24,5	6,5	7			
1845	72,33	71,29	95	54	41	2	,5			5	19,5		4	27,5	3,5	4			
1846	71,68	72,37	95	56	39	3		1	,5	4,5	13,5	5,5	3	27,5	3,5	6			1,80
1847	72,94	77,94	90	53	37	4		1,5	,5	9,5	6,5	,5	8,5	23,5	7,5	5			
1848	67,63	69,93	96	58	38	4,5		3	1,5	6,5	7	7,5	1	19	12	13			2,46
1849	70,93	70,83	89	54	35	1,5	3	2	2,5	5,5	12	4	,5	27,5	3,5	5			2,30
Mean.	70,54	71,86				2,00	1,47	,97	1,44	4,95	13,14	3,94	3,09	22,56	8,44				2,34
Total.						46	26,5	17,5	26	89	236,5	71	55,5	406	152				30,40

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1831	72,89	72,01	90	58	32		,5	7,5	3	1,5	10,5	8		18,5	12,5	2			,74
1832	74,02	69,10	81	58	23		1	1	3	1,5	13	10,5	1	22,5	8,5	3			2,90
1833	68,55	68,11	82	49	33	2,5	2,5		1	1,5	16	2,5	5	19	12	9			1,09
1834	75,46	68,19	90	54	36	2	2,5	1	1,5	2	20,5	,5	1	21,5	9,5	3			1,11
1835	70,30	71,94	90	50	40	1	3,5	1,5		1	18	3,5	2,5	16,5	14,5	7,5			2,50
1836	62,54	61,97	79	46	33	2	2,5	3,5	5,5	6	5	5,5	1	19	12	1,5			
1837	67,98	63,64	80	44	36	5		,5		8,5	5	7	5	21,5	9,5	4			2,45
1839			85	30	55	4	7	,5	1,5	4	5	1,5	7,5	17	14	4,5			,66
1840	71,03	74,67	93	51	42		3	1,5		9	9,5	3,5	4,5	6	25	7,5			1,06
1841	70,15	70,37	90	53	37	5,5	1,5	2,5	1,5	1,5	12	4	2,5	23,5	7,5	2,5			,55
1842	66,63	70,37	84	52	32	2	15				10,5	1	2,5	19	12	2			2,64
1843	72,14	71,98	90	60	30	2	8	,5	1	1,5	14	,5	3,5	23,5	7,5	,5			
1844	68,91	65,31	86	48	38	3				6,5	12	6,5	3	23,5	7,5	9			
1845	72,94	72,48	92	56	36	2	,5		1	6,5	15,5	2,5	3	25	6	7			
1846	75,76	69,47	90	53	37	6,5		1	2	5	6,5	6	4	24	7	6			3,20
1847	71,29	65,96	89	49	40	6,5	2,5		1	7,5	9,5	3	1	26,5	4,5	7			
1848	71,24	68,85	88	54	34	1	1,5	5,5	2,5	5	11	4	,5	23	8	8			4,60
1849	68,15	70,80	84	54	30	1,5	,5		1	5	13	7	3	25	6	7			1,97
Mean	70,70	69,13				2,58	2,80	1,47	1,42	4,08	11,47	4,28	2,81	20,90	10,10				1,96
Total.						46,5	52	26,5	25,5	73,5	206,5	77	50,5	374,5	183,5				25,47
SEPTEMBER.																			
1831	67,36	59,66	78	52	26		,5	2			11,5	9	7	13	17	8			2,74
1832	62,30	63,39	84	43	41			1,5	3	3,5	12,5	4,5	3	13,5	10,5	6			4,95
1833	64,16	65,56	75	54	21	3	2,5		2	2,5	13,5	5,5	1	20	10	4			2,01
1834	64,86	60,47	86	38	48	6	1	1	4	7,5	7,5	1,5	1,5	15	15	6,5			2,62
1835	61,98	54,81	82	40	42	2	3	1,5	1,5	2	13	5,5	1,5	14,5	15,5	4			2,53
1836	60,17	63,62	84	33	51	,5	2	,5	3,5	5	11,5	5	2	9	21	7,5			
1837	63,01	57,39	83	38	45	9,5				12	6	2,5		18	12	4			1,85
1839			84	30	54	,5	4	1	1,5	,5	16,5	2,5	3,5	18	12	7	1		1,68
1840	63,61	58,64	82	36	46	,5	4,5	1		4	8,5	4,5	7	10,5	19,5	7			2,62
1841	70,25	62,92	90	48	42	5,5	1,5	,5	,5	4,5	11,5	4,5	1,5	18,5	11,5	2			2,40
1842	63,32	55,20	82	38	44	2	13,5		1,5		8,5	1,5	3	17	13	2			3,53
1843	64,08	62,89	88	40	48		9	1	1		17	1,5	,5	16	14	2			
1844	66,74	54,95	86	36	50	,5	4	1,5	1,5	7,5	13,5	1,5		25	5	3			
1845	62,95	57,04	84	41	43	2,5			1,5	2,5	16,5	2,5	4,5	20	10	11			
1846	74,45	62,72	95	41	54	2,5	3,5		1	12	5	2	4	21,5	8,5	7			1,55
1847	60,67	59,01	83	44	39	2,5	2,5	1,5	1	3,5	13	1,5	4,5	15,5	14,5	15			
1848	63,40	53,04	79	38	41	1,5		,5	1	2	10	7,5	7,5	17	13	8			3,34
1849	63,77	61,33	82	40	42	2	1	4	1	4,5	8,5	5	4	21,5	8,5	5			1,93
Mean	64,53	59,57				2,28	2,92	,97	1,41	4,08	11,34	3,89	3,11	16,86	13,14				2,59
Total.						41	52,5	17,5	25,5	73,5	204	70	56	303,5	236,5				33,75

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow [Days.]	Rain gauge.
	First Half.	Second Half.																	
1831	56,55	57,39	75	31	44	,5	,5	4	4	3	13	4	2	19,5	11,5	6,5			4,65
1832	54,95	54,88	70	34	36	,5	2	3,5	4	4	10,5	6	,5	20	11	4,5			2,44
1833	52,64	44,30	72	22	50	1	2,5	1	4		17	4	1,5	9	22	6,5	,5		1,92
1834	53,66	49,01	78	28	50	3	,5	1,5	2	10	9	3	2	8	23	4,5			5,04
1835	50,34	57,28	80	34	46	2	4	,5	2	2	15,5	2	3	12,5	18,5	6,5			3,97
1836	44,32	36,22	58	22	36	2	2	3,5	1	12,5	5	4,5	,5	21,5	9,5	3,5		1	
1837	47,12	45,71	71	24	47	16	,5			10	2	2,5		16	15	4			3,55
1839			80	24	56	,5	7	1,5	1	2,5	8	7,5	3	17,5	13,5	4,5			,75
1840	55,50	44,89	82	30	52	,5	6,5	2	,5	1	11	6,5	3	12,5	18,5	8	1,5		2,37
1841	49,95	43,27	69	30	39	8,5	4			2,5	5,5	5,5	5	10	21	2	,5	1	,60
1842	52,95	47,52	72	35	37	,5	4		,5		16	7,5	2,5	18,5	12,5	2,5			1,00
1843	51,75	40,25	70	30	40	2		1	1		18	,5	8,5	7	24	1	,5		
1844	48,46	41,54	69	23	46	2	4	1,5	1,5	4	11,5	4,5	2	20	11	5	2		
1845	52,93	47,85	72	23	49	1,5			1	6	14,5	4,5	3,5	18	13	7	1		
1846	55,70	40,18	76	32	44	4	1	1	3	6	4,5	8	3,5	20	11	8	2		3,80
1847	52,07	47,70	71	34	37	2,5	2	2	1	4,5	9	4	6	15,5	15,5	9	1		
1848	55,75	48,41	73	32	41	3	2	2,5	1,5	4,5	9	6	2,5	15	16	9			,97
1849	51,03	50,59	75	31	44	,5	3	4	2	,5	14,5	2,5	4	17	14	9			3,67
Mean.	52,09	46,88				2,69	2,64	1,64	1,67	4,06	10,75	4,61	2,94	15,42	15,58				2,67
Total.						85,5	47,5	29,5	30	73	193,5	83	53	277,5	280,5				34,73
NOVEMBER.																			
1831	47,06	35,45	59	18	41	1	2	4	2	1	15	2,5	2,5	12	18	3,5	3	1	1,63
1832	42,57	40,49	60	26	34	,5	2	1	5	4,5	11	4	2	6,5	23,5	4,	1		2,28
1833	42,69	33,55	62	22	40	,5	2	1,5	3,5	2,5	16,5	1,5	2	7	23	2,5	2,5		,08
1834	45,63	35,43	62	12	50	5	1	1,5	3,5	9,5	5	3,5	1	10	20	3	3		,61
1835	46,35	29,87	66	11	55	1,5	3,5	1	1	4	16,5	,5	2	14	16	2,5	2		1,11
1836	33,82	31,27	53	22	31		,5		1	13	9	6,5		18	12	,5	1		
1837	41,56	41,26	64	18	46	8			1	11	4,5	4	1,5	11	19	2	,5		2,15
1839			51	5	46	2	1,5	4	,5	,5	7	10	4,5	10,5	19,5	3	2,5		1,36
1840	44,77	37,18	61	26	35	,5	5,5	1	1,5	5	8,5	4	4	8,5	21,5	1,5	2,5	,5	1,35
1841	42,36	33,50	76	23	53	3,5	4	3	2		7,5	5,5	4,5	5	25	1,5	1		,35
1842	42,34	28,03	63	15	48	1	1	4,5	1	2	12	6	2,5	8	22	3	3,5		1,65
1843	32,82	36,68	54	18	36	1	1			2	15,5	6,5	4	14	16	3	1,5		
1844	41,51	33,81	57	18	39				3	5	15	4	3	18	12	3	2		
1845	42,85	34,85	62	15	47	3			3	7	11,5	2,5	3	11,5	18,5	4	3		
1846	49,47	37,72	65	20	45	2	6,5	2,5	3,5	3	6	6,5		12,5	17,5	8	2		3,90
1847	46,67	37,45	68	9	59				6	7	3,5	5	8,5	7	23	10	2		
1848	36,93	37,16	54	24	30	1	1,5	4,5	1	1,5	14,5	5,5	,5	7	23	9			1,62
1849	51,08	45,29	73	30	43	1	5,5	1,5	1	7	8,5	2,5	3	17	13	8	1		3,83
Mean.	42,97	35,83				1,75	2,08	1,67	2,19	4,75	10,39	4,48	2,69	10,97	19,03				1,68
Total.						31,5	37,5	30	39,5	85,5	187	80,5	48,5	197,5	342,5				21,92

OBSERVATIONS AT LEWISTON HIGH SCHOOL ACADEMY.

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1831	16.37	18.83	31	3.28	28.5			3		1	15	6.5	5	11.5	19.5		7.5		.29
1832	38.79	30.65	46	18.28	28.5	2	1.5	4.5	1.5	1	10.5	6	4	7	24	1.5	1		.68
1833	34.47	32.86	44	22.22	22.5			7		2.5	6		5	2	3.5	27.5	4.5	4.5	1.44
1834	32.02	28.24	52	7.45	44.5		3.5	5.5		2	10	8	1	1	7.5	23.5	1.5	2	.06
1835	14.47	26.28	40	— 1.41	41.5	2	4.5	1	3.5	4.5	13	1	1.5	13.5	17.5	1	1.5		.30
1836	32.33	20.89	42	— 1.43	43.5	1	2	1.5	1	10	8.5	3.5	3.5	18.5	12.5	2	1.5		
1837	30.07	26.89	57	12.45	44.5	6	1		4.5	8	5.5	6		8.5	22.5	1	1	.5	1.10
1839			46	8.38	37.5		6	2		5	8		6.5	6.5	24.5	1	5		1.07
1840	33.39	25.82	47	14.33	28.5	2.5	2.5			4.5	18	3.5		12.5	18.5	2.5	4.5		1.42
1841	38.56	24.67	47	12.35	26.5	3	3	1	3.5	3.5	9.5	6.5	1	2.5	28.5	6.5	2.5		1.75
1842	29.25	27.33	46	12.34	13.5	1	3.5	2		2	12.5	7	3	9	22	1	3.5		.65
1843	30.16	34.78	45	15.30	18.5	1.5		1	4	5	10.5	5	4	11	20	1.5	3		
1844	32.96	30.19	51	13.38	18.5	1	2.5	3		3	10	4	7.5	15.5	15.5	4	3	1	
1845	25.64	26.89	47	10.37	16.5	4			2	8.5	9.5	4.5	2.5	21	10		4		
1846	32.57	33.35	56	18.38	25.5	2	2	6	1.5	6	2.5	9.5	1	12	19	2	5		.70
1847	37.60	29.17	58	11.47	6.5	1	1	1	1	12.5	7.5	1	.5	15	16	4	5	1	
1848	37.80	32.29	70	14.56	22.5		5	3		5	12	4.5	1.5	12	19	5	5	2	3.76
1849	31.27	27.37	48	6.42	24.5	1	1	2.5	5.5	3	11.5	5.5	1	9	22	5	2	2	1.16
Mean.	31.04	28.03				2.14	2.67	1.89	2.03	5.19	10.00	4.45	2.63	10.89	20.11				1.11
Total.						38.5	48	34	36.5	93.5	180	80	45.5	196	362				14.38

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.	
	First Half.	Sec nd Half.																					
January.	29.03	26.50	62	— 6	68	2.56	3.53	1.78	1.64	4.23	11.22	8.25	2.8	50° 57' W	33	9.81	12.56	18.44				1.40	15.32
February.	24.37	29.03	69	— 6	65	1.89	2.97	1.58	1.69	4.28	9.91	8.25	2.62	57° 40' W	33	9.89	13.33	19.44				1.11	14.18
March.	32.03	37.42	77	10	77	2.58	2.72	1.78	1.47	4.34	9.1	5.01	3.3	60° 50' W	34	10.39	15.78	15.22				1.39	18.18
April.	44.17	48.24	82	16	66	3.28	2.25	2.22	1.69	4.94	8.3	3.65	3.6	57° 22' W	25	8.46	17.59	12.50				1.51	19.71
May.	59.89	51.85	96	25	71	2.83	3.75	1.53	1.47	4.64	10.21	3.69	3.6	54° 28' W	22	9.50	20.22	10.78				1.98	25.79
June.	64.19	68.05	96	38	58	1.94	1.08	1.56	1.11	4.69	13.06	4.28	2.75	44° 37' W	60	18.12	29.56	9.44				2.46	31.96
July.	70.54	71.86	97	49	48	2.00	1.47	.97	1.44	4.95	11.11	3.99	3.09	51° 13' W	53	15.94	22.56	8.44				2.74	30.40
August.	70.70	69.13	93	30	63	2.58	2.39	1.47	1.42	4.08	11.47	4.28	2.51	56° 19' W	39	11.86	20.90	10.10				1.96	25.47
September.	61.53	59.57	95	30	65	2.25	2.92	.97	1.41	4.0	11.24	3.89	3.11	56° 66' W	40	12.03	16.86	12.14				2.59	33.75
October.	59.31	46.84	82	22	60	2.69	2.64	1.64	1.67	4.06	11.55	4.61	2.91	66° 56' W	53	15.94	15.42	15.58				2.47	34.73
November.	42.97	35.82	76	5	71	1.75	2.09	1.67	2.19	4.75	10.39	4.48	2.69	58° 44' W	55	16.41	10.97	19.09				1.65	21.92
December.	31.04	28.03	70	— 1	71	2.14	2.67	1.89	2.03	5.19	10.00	4.45	2.63	46° 16' W	36	10.73	10.89	20.11				1.11	14.38
Mean.	48.81	48.56				2.37	2.58	1.59	1.60	4.57	10.75	4.07	2.89	52° 27' W	38	11.58	16.41	11.03				1.85	24.39

Highest degree, July 12, 1849, - - - - - 97°
 Lowest degree, February 23, 1832, and January 2, 1837, - - - - - —6°
 Extreme range in 17 years, - - - - - 103°
 Greatest monthly range in March.
 Least monthly range in July.

Mean monthly range, 65°.
 Driest months, February and December.
 Wettest month, October.
 Total fall of rain and snow in 13 years, 24 feet 5.99 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1831	26, 67	24, 18	41, 63	47, 86	59, 54	69, 04	74, 18	72, 45	63, 51	56, 74	41, 25	17, 25	19, 52	90	- 2	92	56	February 5,	August 19,	October 7,	November 27.
1832	26, 62	21, 12	35, 35	45, 80	56, 19	67, 99	72, 88	71, 56	62, 84	54, 81	41, 53	34, 79	49, 29	91	- 6	96	54	January 26,	July 4,	September 5,	November 20.
1833	30, 37	26, 40	36, 15	51, 89	62, 33	64, 63	71, 06	68, 33	64, 56	48, 47	38, 12	33, 66	49, 69	87	0	87	70	March 2,	July 21,	September 12,	October 29.
1834	25, 40	36, 88	38, 90	50, 30	59, 78	65, 49	74, 74	71, 82	62, 66	51, 33	40, 53	30, 18	50, 70	91	1	82	59	January 4,	July 24,	October 11,	November 14.
1835	29, 07	23, 19	35, 04	43, 92	58, 28	66, 25	70, 88	71, 12	58, 39	53, 81	38, 11	26, 37	47, 36	90	- 1	91	56	December 16,	July 24,	August 4,	November 21.
1836	24, 06	22, 24	28, 85	40, 20	54, 74	61, 50	67, 09	62, 25	61, 89	40, 27	33, 54	26, 61	43, 64	88	- 5	93	71	February 4,	Sept. 19,	September 28,	September 28.
1837	19, 65	23, 47	29, 43	37, 89	51, 33	62, 96	66, 91	65, 81	60, 29	46, 41	41, 41	28, 48	44, 51	96	- 6	102	71	January 2,	June 2,	September 13,	November 22.
1839	27, 70	27, 92	33, 77	47, 27	53, 96	57, 51	72, 11	64, 46	57, 49	53, 75	33, 31	33, 74	46, 91	91	- 2	93	57	January 28,	July 29,	September 18,	September 27.
1840	18, 39	30, 88	34, 09	50, 39	59, 46	65, 91	73, 07	72, 85	61, 12	50, 15	40, 97	29, 60	48, 94	97	- 8	100	61	January 16,	July 12,	September 22,	October 25.
1841	30, 20	28, 03	34, 84	44, 39	52, 14	70, 88	70, 42	70, 26	66, 58	46, 61	37, 93	31, 61	48, 86	94	0	94	53	January 18,	July 25,	October 2,	October 25.
1842	30, 99	30, 33	40, 33	46, 09	53, 07	62, 05	63, 91	68, 50	59, 26	50, 23	35, 18	28, 29	47, 87	90	10	80	50	February 3,	July 23,	September 23,	November 10.
1843	32, 33	20, 32	26, 60	47, 65	54, 28	64, 12	71, 23	72, 06	63, 48	46, 00	34, 75	32, 47	46, 77	91	0	91	51	February 17,	July 1,	September 23,	October 27.
1844	22, 81	30, 09	34, 35	51, 60	53, 46	63, 64	70, 04	67, 11	60, 84	45, 00	37, 60	31, 57	47, 70	87	0	87	57	January 25,	July 14,	September 26,	October 28.
1845	29, 19	29, 33	37, 59	50, 80	54, 58	69, 93	71, 81	72, 71	59, 99	50, 39	58, 85	26, 26	47, 07	95	4	91	60	February 13,	July 14,	September 16,	October 15.
1846	31, 14	26, 25	38, 06	47, 65	60, 30	67, 50	72, 09	72, 61	68, 54	49, 88	32, 07	32, 26	50, 72	95	5	90	54	February 26,	July 10,	October 8,	October 17.
1847	28, 13	27, 01	31, 48	43, 25	59, 29	63, 57	75, 44	68, 62	59, 84	49, 88	37, 04	34, 95	48, 49	96	3	92	59	January 21,	July 15,	October 2,	October 14.
1848	32, 46	30, 30	33, 35	47, 80	60, 07	72, 75	63, 82	70, 01	58, 22	51, 96	37, 04	34, 95	48, 49	96	4	92	66	January 9,	June 16,	October 11,	November 7.
1849	24, 43	25, 24	36, 47	43, 20	53, 64	63, 34	70, 83	69, 52	62, 65	50, 50	48, 19	29, 26	45, 63	90	- 4	94	64	February 15,	July 12,	October 8,	November 2.
Mean.	27, 28	26, 92	34, 80	46, 32	56, 73	64, 73	71, 25	69, 56	61, 79	49, 70	39, 11	29, 74	47, 58								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Percent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1831	11, 5	19, 5	31, 5	29, 5	17	161, 5	62, 5	32	S 51° 57' W	47	169, 45	188	177	41, 5	21	3, 5
1832	14, 5	32	24, 5	25	41, 5	125	72, 5	31	S 53 07 W	41	147, 48	211, 5	154, 5	39, 5	13	
1833	21	37	11	33	26	166, 5	36, 5	34	S 51 07 W	42	151, 58	152	213	48, 5	16	
1834	26	31	17	24, 5	51	154	34, 5	27	S 42 15 W	49	158, 40	171, 5	193, 5	45	20	
1835	20, 5	42	9, 5	17	25	190, 5	32	28, 5	S 49 21 W	49	179, 12	175	190	45, 5	15	
1836	30, 5	25, 5	28, 5	34, 5	93	90, 5	44	19, 5	S 23 02 W	39	130, 72	222, 5	143, 5	32	11	1
1837	83	8, 5	9	14, 5	134, 5	60, 5	36, 5	18, 5	S 38 10 W	29	108, 61	196, 5	168, 5	27	14, 5	, 5
1839	22	50	18	10, 5	41	114	56, 5	53	S 73 17 W	33	118, 84	195, 5	169, 5	59	19, 5	
1840	18	47	22	6	39	129	57	48	S 68 06 W	39	132, 18	147	219	56	19	, 5
1841	53, 5	28	19	16	59	107, 5	54	29	S 67 35 W	33	120, 16	186	179	27, 5	13, 5	1
1842	23, 5	68	15, 5	16	20	152, 5	35, 5	34	S 64 45 W	28	102, 04	183, 5	181, 5	31, 5	11, 5	
1843	16, 5	54	6, 5	17, 5	25, 5	176	28	41	S 57 39 W	41	147, 60	176	189	18	12	
1844	19	23	18	16	59	144, 5	53	33, 5	S 49 33 W	48	175, 40	236, 5	129, 5	56	19	1
1845	28, 5	9	2	16, 5	61, 5	160, 5	46	42	S 48 55 W	55	200, 51	238, 5	126, 5	60	21	
1846	41	24	24	16	75, 5	107	52, 5	25	S 60 07 W	48	174, 25	248	117	62	17	
1847	38	18	16	18	88	91	48, 5	47, 5	S 50 03 W	37	134, 36	209, 5	155, 5	76	21	5
1848	31	12, 5	30, 5	14	80, 5	91, 5	65	41	S 52 00 W	38	140, 10	200	166	79	10	4
1849	18	28, 5	36, 5	24	52	107, 5	63, 5	35	S 47 50 W	33	122, 28	216	149	82	16	4
Mean.	28, 67	30, 97	18, 63	19, 25	54, 94	129, 97	48, 22	34, 41	S 51° 54' W	38	140, 81	197, 42	167, 86			
Total.	516	557, 5	330	346, 5	989	2239, 5	868	619, 5				3553, 5	3021, 5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1831	1.25	1.57	1.12	3.29	1.57	3.13	3.32	.74	2.74	4.65	1.63	.29	25.35	December.	October.
1832	.66	1.60	.50	.73	3.04	.55	.52	2.90	4.45	2.44	2.28	.68	21.45	July.	September.
1833	.56	1.48	.15	1.66	3.31	3.15	3.98	1.09	2.01	1.92	.08	1.44	20.73	November.	July.
1834	1.25	.71	2.32	1.46	.21	3.03	4.16	1.11	2.62	5.04	.61	.06	22.55	December.	October.
1835	3.31	2.30	.75	2.47	2.86	2.78	1.80	2.50	2.53	3.97	1.11	.30	25.68	December.	October.
1837	1.80	.40	.25	.50	1.25	3.20	1.60	2.45	1.85	3.55	2.15	1.10	20.10	March.	October.
1839	.56	1.08	1.79	1.25	2.40	2.76	2.37	.66	1.68	.75	1.36	1.07	17.73	January.	June.
1840	1.73	1.57	1.46	1.31	2.32	3.00	2.86	1.06	2.62	2.37	1.35	1.42	23.07	August.	March.
1841	1.25	.34	3.95	2.10	1.11	2.30	2.30	.55	2.40	.60	.35	1.75	19.00	February.	June.
1842	.70	1.39	.82	1.30	.75	2.31	1.93	2.64	3.53	1.00	1.65	.65	18.55	December.	September.
1846	1.05	.50	.35	1.05	2.00	1.50	1.80	3.20	1.55	3.80	3.90	.70	21.40	March.	November.
1848	2.10	.53	1.91	.93	2.55	1.76	2.46	4.60	3.33	.97	1.62	3.76	26.53	February.	August.
1849	2.00	1.10	2.54	1.76	2.42	2.14	2.30	1.97	1.93	3.67	3.83	1.16	26.82	February.	November.
Mean.	1.40	1.11	1.39	1.51	1.93	2.46	2.34	1.96	2.59	2.67	1.63	1.11	22.23		
Total.	18.22	14.43	15.13	19.71	25.79	31.96	30.40	25.47	33.75	34.73	21.92	14.38	258.99		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1831	4	21	23	5	23	13	18	9	31	9	2	5	7	15	19	28	1	25	18	23	10	30	24	18
1832	18	26	11	23	25	17	13	6	12	4	15	4	4	11	29	24	18	12	20	29	1	14	7	21
1833	4	11	17	1	21	2	30	15	18	12	30	3	21	4	21	11	5	13	6	30	8	4	26	14
1834	17	4	21	12	18	21	15	2	28	14	6	2	24	5	7	27	1	29	1	14	4	15	1	14
1835	12	9	21	9	20	3	9	17	25	16	11	19	24	8	12	31	18	29	17	31	4	29	25	16
1836	7	27	22	4	4	11	27	11	15	13	17	20	8	15	28	9	19	28	15	25	10	24	11	21
1837	31	2	20	13	7	1	29	4	14	1	2	7	30	2	2	22	5	20	22	29	20	23	2	22
1839	11	23	24	9	28	3	23	8	24	3	30	14	29	4	26	30	21	30	9	20	14	25	8	31
1840	26	16	19	3	3	10	34	6	28	4	28	1	12	1	21	25	16	21	2	26	3	17	15	24
1841	7	18	21	11	26	11	25	10	31	2	29	18	25	17	17	24	6	29	31	24	1	29	9	21
1842	19	22	3	8	3	11	22	8	18	9	30	10	23	31	28	1	1	22	7	27	1	28	4	23
1843	21	3	25	17	28	6	23	1	14	1	22	1	1	30	31	20	3	26	1	27	24	27	26	12
1844	23	25	29	9	1	4	14	1	25	21	18	10	14	7	17	21	20	27	25	29	7	27	25	17
1845	3	31	20	13	30	15	24	21	13	15	8	6	14	3	9	1	1	24	10	21	18	27	14	11
1846	29	17	3	26	11	1	21	1	26	11	1	6	10	14	5	18	6	27	7	17	10	26	27	22
1847	14	21	2	23	23	12	21	18	12	3	9	14	18	27	16	23	8	14	6	27	3	29	30	26
1848	26	9	20	11	31	15	9	18	19	13	16	8	19	10	14	21	4	25	15	18	4	9	8	22
1849	25	10	28	15	20	3	7	15	21	5	21	5	12	15	19	31	16	23	28	31	5	28	20	25

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	
1831	60	4	54	— 2	67	22	70	20	83	38	88	58	87	58	90	58	78	52	45	31	59	18	31	8	
1832	54	— 4	42	— 6	62	8	68	30	80	41	85	52	90	58	81	58	84	43	40	34	60	26	46	18	
1833	62	3	45	12	70	0	80	32	80	50	80	50	87	59	82	49	75	54	42	22	62	22	44	22	
1834	50	2	59	10	61	10	79	33	84	28	88	51	91	63	90	54	86	38	48	28	62	12	52	7	
1835	50	1	48	— 1	60	4	67	24	80	37	88	47	89	56	90	50	82	40	80	34	66	11	40	— 1	
1836	48	0	66	— 5	70	5	68	22	80	32	82	42	88	54	79	46	84	33	58	22	54	22	42	— 1	
1837	43	— 6	44	— 3	57	0	72	18	96	25	88	48	88	54	80	44	83	38	71	24	64	18	57	12	
1839	50	— 2	48	3	62	5	77	25	82	30	83	43	91	53	85	30	84	30	80	24	51	5	46	8	
1840	38	— 3	60	6	53	12	82	21	88	40	92	40	97	49	93	51	92	36	82	30	61	26	47	14	
1841	53	0	44	1	64	12	77	28	82	32	93	52	94	60	90	53	90	48	69	30	76	23	47	12	
1842	55	14	54	10	58	22	78	28	83	34	84	38	90	50	84	52	82	38	72	35	63	15	46	12	
1843	58	9	37	0	45	6	74	23	82	36	90	39	91	52	90	60	88	40	70	30	54	18	45	15	
1844	47	0	58	5	57	17	73	16	83	36	83	40	87	51	86	48	86	36	69	23	57	18	51	13	
1845	48	13	54	4	77	17	76	31	92	36	91	46	95	54	92	56	84	41	72	23	62	15	47	10	
1846	50	5	47	5	59	8	78	24	84	40	90	45	95	56	90	53	95	41	76	32	65	20	56	18	
1847	54	3	52	12	57	16	74	22	82	34	95	45	90	53	89	49	83	44	71	34	68	9	58	11	
1848	48	4	54	4	72	6	72	28	92	40	96	49	96	58	88	54	79	38	73	32	54	24	70	14	
1849	50	2	60	— 4	59	16	71	24	78	32	90	46	89	54	84	54	82	40	75	31	73	30	48	6	
Highest.	62		66		77		82		96		96		97		93		95		82		76		70		
Lowest.		— 6		— 6	0		16		25		38		49		30		30		22		5		— 1		
Range.		68		72		77		66		71		58		48		63		65		60		71		71	

SUMMARY OF OBSERVATIONS AT LOWVILLE ACADEMY,

LOWVILLE, LEWIS COUNTY, N. Y., DURING NINETEEN YEARS.

Latitude N. 43° 47'; Longitude W. 75° 33'. Elevation above tide 800 feet. In the valley of a branch of Black River, about 100 feet above the level of the river.

This Academy is situated in a valley surrounded on the north, west and south by elevated table lands. To the west, and running nearly parallel with the Black river, is an elevated range of table land, rising in some places to an elevation of more than a thousand feet above the level of the river. Until recently this has been covered with the native growth of timber.

OBSERVERS.

1827, '8, '9, '30, STEPHEN W. TAYLOR.
1831, STEPHEN W. TAYLOR, Principal, and E. E. BARNEY.
1832, E. E. BARNEY, Principal.
1833, CYRUS M. FAY, Principal.
1835, HENRY MALTEY, Principal.

1837, E. WENTWORTH, Principal, and H. BANNISTER.
1839, '40, D. P. MAYHEW, Associate Principal.
1841, '2, '3, '4, D. P. MAYHEW, Principal.
1845, D. P. MAYHEW, Principal, and M. A. AVERY.
1846, '7, '8, D. P. MAYHEW, Principal.

JANUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1827	19,94	12,68	44	-28,72	1,5	,5	,5	7	6			1,5	14	11,5	19,5	1	8		3,38
1828	33,03	18,49	45	-24,69	2			13,5	2	1	3,5	9	8,5	8,5	22,5	5	5	1,5	2,65
1829	13,73	19,80	39	-28,67	1		1	9,5	2	3	2,5	12	11	20			9		2,01
1830	22,96	7,74	42	-33,75	3,5		,5	14,5	,5	2,5	1	8,5	12	19		,5	12		1,99
1831	20,07	7,74	50	-28,78	3,5	1,5		6,5	,5	1	2	16	15,5	15,5		1	9		2,48
1832	22,01	20,12	48	-25,73	11					11	,5	2	6,5	8,5	22,5	,5	4,5	,5	2,05
1833	30,11	19,88	56	-28,84	10,5				14,5		4,5	1,5	2,5	28,5					2,10
1835	12,11	30,90	46	-31,77	8,5	3		,5	8	,5	7	3,5	11	20		4	4,5		3,02
1837	9,64	14,79	41	-21,62	5		1,5	4	3,5	2	4,5	10	12,5	18,5			4,5		
1839	25,63	10,56	62	-35,87	6		2	7	4,5	1	1,5	9	11	20		2	3,5		3,29
1840	10,56	14,54	45	-34,79	2			1	6	2	2	18	12,5	18,5		1	7,5		4,36
1841	23,57	26,45	40	-10,50	3		,5	,5	4,5	11	5	4	2,5	4,5	26,5	2	9,5	,5	3,15
1842	21,03	29,27	60	-20,80	3,5			2	8,5	7,5	2	7,5	12	19		2	3		,55
1843	28,39	29,37	58	-6,64	7,5			1,5	12		2	8	7	24		1,5	6		1,16
1844	16,66	6,31	44	-21,65	3,5		,5	7	4,5	1	3	11,5	11,5	19,5			10		2,70
1845	25,08	20,86	51	-12,63	5,5		,5	3,5	11	1,5	,5	8,5	8	23		2	13	3	2,95
1846	27,20	16,81	47	-17,64	4			5	5,5	,5	1	15	8	23		3	9		1,05
1847	25,40	13,76	44	-17,61	6,5		1	2	12	1	3,5	5	7	24		4	9	1	1,96
1848	19,04	27,87	53	-24,77	4			3	12,5	1	3,5	7	10,5	20,5		3	4		1,38
Mean.	21,37	18,31				4,84	,36	,36	4,83	7,18	1,62	2,71	9,10	9,74	21,26				2,34
Total.						92	7	7	92	135,5	31	51,5	173	185	404				42,24

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain-gage.
	First Half.	Second Half.																	
1827	16,51	30,34	43	-32	75	1		1	7,5	4,5		3	11	10	18	2	4	3	1,91
1828	32,29	29,90	51	-1	52				12	2	4,5	3	7,5	11	18	6	6	1	3,55
1829	18,53	12,84	46	-19	65				6,5	1,5	2	1	17	13	15	1	11	1	3,10
1830	7,46	27,83	50	-27	77	.5			11,5		1,5	.5	14	14,5	13,5	.5	3,5	.5	1,75
1831	13,96	21,58	55	-20	75	1			7,5	1,5		5,5	12,5	14	14	1,5	7,5	1	5,71
1832	21,39	17,38	38	-22	60	14,5	1			11,5			2	5	24	.5	7,5	.5	4,24
1833	13,68	19,23	46	-22	68	15,5	1			9	.5	1	1	7,5	20,5				1,75
1835	9,05	23,55	45	-23	68	4,5	3	2,5	6	3	2	4	3	8	20	2	5,5	.5	2,40
1837	18,28	21,02	44	-18	62	6,5	2	2	4	5,5	4,5		3,5	7	21		1		
1839	11,41	33,54	44	-14	68				5	4,5	5,5	2	11	9	19	1,5	3,5		1,13
1840	20,97	33,58	54	-20	74	1,5			1	14,5	4,5	1,5	6	9,5	19,5	1,5	4	1	2,36
1841	15,19	23,97	50	-12	62	3,5	2	2	2	6	2	3	7,5	14	14		4,5		.29
1842	27,00	23,22	56	-	8	6,5		1,5	3,5	12	.5	.5	3,5	6	22	1,5	5,5	.5	5,67
1843	12,18	14,59	34	-12	46	8,5		1	3	7	.5	.5	8	7	21		4,5		1,09
1844	20,24	25,38	60	-16	76	5,5			2,5	6	1	3	11	9,5	19,5		8		1,06
1845	10,27	36,79	60	-22	82	3,5			3	11,5		1,5	8,5	9	19	2	5	1	1,73
1846	20,39	14,84	40	-16	56	5,5	.5		5,5	5	.5	1	10	9,5	18,5		9		1,86
1847	22,86	18,56	45	-16	61	3,5			2	11	2	3	6,5	6	22	1	6	1	3,35
1848	18,47	24,15	44	-12	56	4	.5		.5	6,5		3	14,5	10,5	18,5	1	6		.80
Mean.	17,37	23,80				4,47	.53	.53	4,37	6,45	1,66	1,95	8,31	9,47	18,79				2,38
Total.						95	10	10	83	122,5	31,5	37	158	180	357				43,75

MARCH.

1827	29,00	34,23	65	-3	68	1	1		9,5	2	2	1	14,5	13	18	4	7	1	.30
1828	28,25	38,68	73	-2	75	1,5		.5	8	5,5	2,5	.5	12,5	18	13	4	3	1	1,50
1829	26,38	26,97	61	-2	63	1		1	7,5	.5	.5	2,5	18	16	15	3	6		1,13
1830	26,84	35,57	60	-5	65				13		2,5		15,5	16	15	4	6,5		4,53
1831	34,39	36,25	57	-2	59				11	2	4,5	4	9,5	10	21	6,5	5,5		1,35
1832	30,46	30,11	70	-11	81	6,5				16		1,5	7	10,5	20,5	1,5	2,5		1,45
1833	18,32	37,59	45	-17	62	17				12		1,5	.5	11	20				1,30
1835	25,15	31,44	52	-16	68	11,5		4,5	1,5	4		8	1,5	13	18		2,5		1,35
1837	22,10	31,53	45	-21	66	3				11	6	6,5	4,5	12,5	18,5	4			
1839	27,75	36,18	56	-3	59	.5		.5	4,5	3,5	5	2,5	14,5	16,5	14,5	2,5	2	.5	1,97
1840	31,35	32,10	60	0	60	3,5	.5	.5	3,5	9	3	1,5	9,5	13	18	3	3,5	.5	3,21
1841	22,62	33,75	61	-14	75	9,5	1		1,5	4,5	2,5	2	10	15,5	15,5	5	5	2	3,20
1842	35,37	36,27	65	10	55	9		.5	4,5	10	1,5	.5	5	9,5	21,5	2,5	4,5	.5	2,36
1843	19,53	23,95	49	-7	56	5,5		.5	1	11,5	4	.5	8	9	22		6		.70
1844	34,49	28,42	66	16	5	9,5			2,5	7,5	1,5		10	11,5	19,5	3	7		1,88
1845	33,69	35,62	78	8	70	2,5			2	12,5	.5		13,5	11,5	19,5	3	7		1,94
1846	31,11	34,46	60	-12	72	2,5			6,5	8,5		2,5	11	14	17	3	4	1	1,25
1847	22,26	28,96	50	2	48	11	2	1	3	4,5	1,5		8	10,5	20,5	2	5		1,96
1848	21,20	35,46	64	-3	67	6				9,5	1	7,5	7	12	19	3	5		.68
Mean.	27,38	33,03				5,33	.24	.48	4,18	7,07	2,03	2,24	9,43	12,79	18,21				1,78
Total.						101	4,5	9	79,5	134	38,5	42,5	180	243	346				32,06

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	48,27	43,32	73	20	53	1	,5		9	,5	,5	6	12,5	15	15	10	1	1	1,88
1828	36,59	44,63	60	19	41	2,5			6,5		1,5	2	17,5	15,5	14,5	5,5	1	1,5	1,44
1829	38,44	47,97	72	24	48	2			7,5	2	4	10	9,5	11,5	18,5	9	2	1	2,60
1830	45,55	53,98	82	22	60				8	2	,5	2	17,5	20,5	9,5	6			,35
1831	42,47	48,11	76	21	55	5			8,5		2,5	3,5	10,5	14	16	7	2	2	3,38
1832	37,77	42,27	72	10	62	12	5	,5	,5		,5	3	4	15,5	14,5	5	1		1,00
1833	51,07	50,86	83	17	66	11		2		14,5	1	1,5		13	17				1,45
1835	44,64	38,60	76	10	66	3,5	1	1,5	1,5	8	2,5	5,5	4,5	13,5	16,5	2,5	2,5	1,5	2,61
1837	37,65	38,72	66	13	53	,5			,5	2,5	6,5	11,5	8,5	16	14	2			
1839	49,24	49,54	78	30	48	13,5	1		3	6		1	5,5	16,5	13,5	1			1,19
1840	42,28	53,89	86	26	60	3		,5	4	7,5	2,5	6	6,5	15	15	5	,5		4,57
1841	32,91	44,40	75	16	59	5,5			3	9	,5	,5	11,5	14	16	1,5	3,5	1	1,65
1842	44,36	51,27	84	17	67	10	,5	1	4,5	5,5	,5	,5	7,5	14,5	15,5	3		,5	2,39
1843	39,63	47,97	74	12	62	9			2	11	1		7	11,5	18,5	2,5			1,43
1844	47,70	45,99	84	19	65	7	1,5		5,5	10	1,5	1	3,5	18,5	11,5	7			1,26
1845	34,41	51,79	74	20	54	2			9	6	2	4	7	12	18	6	6		1,71
1846	42,73	52,86	82	22	60	3	,5	,5	6	7,5	1,5	2,5	8,5	16	14	5	3		,99
1847	37,80	36,45	64	22	42	3,5		,5	3,5	6	1	5,5	10	12	18	5	4	2	3,76
1848	41,99	44,59	86	24	62	2,5	,5	,5	2	4,5	1	9	10	17	13	5	2		,68
Mean.	41,87	46,68				5,16	,55	,37	4,45	5,63	1,64	3,96	8,24	14,82	15,18				1,96
Total.						98,5	10,5	7	84,5	107	31	75	156,5	281,5	288,5				34,34
MAY.																			
1827	49,28	58,90	84	32	52	7			6	2	5	9	21,5	9,5	4		1		1,02
1828	57,34	58,43	77	28	49	2			10,5		7	1,5	10	13,5	17,5	12			2,67
1829	52,46	64,54	91	28	63	1			6	,5	5,5	6	12	24	7	5	2		1,88
1830	54,01	51,82	81	24	57	1		1	7,5	1	4,5	5	11	22	9	6,5	,5		2,10
1831	51,67	61,82	89	28	61	2		1	4	3	4	8	9	18,5	12,5	7,5	1,5		2,75
1832	54,55	51,09	87	30	57	1	2	,5		11,5		3,5	2,5	17,5	13,5	5			3,15
1833	57,66	59,80	86	32	54	8,5			19,5		1	2		12,5	18,5				6,40
1835	48,63	60,10	85	25	60	5,5	4	1	2	4	1	5,5	8	19,5	11,5	2,5	,5	,5	1,64
1837	51,44	53,02	82	20	62	7,5	2,5	2,5	1	9,5	3	1,5	3,5	16,5	14,5	3			
1839	52,11	54,94	75	30	45	1	1,5		3	8,5	2	5,5	9,5	15,5	15,5	5,5		,5	3,76
1840	49,14	65,74	84	31	53	5	2,5		3	7,5	2,5	2	8,5	21	10	4,5	1	1	3,73
1841	43,94	62,17	89	28	61	8,5	,5		1,5	7	1,5	7	5	16,5	15,5	6	,5	,5	1,02
1842	47,65	53,38	68	30	38	9,5			1	12,5	2,5	1	4,5	14	17	4,5			1,72
1843	51,83	48,98	90	30	60	7,5			13		2,5		8	14,5	16,5	9			1,31
1844	54,26	57,47	88	26	62	4,5			8,5	8,5	3	1	5,5	10	21	13	1		3,58
1845	53,64	55,71	86	32	54	6,5		2	4,5	3,5	7	2	5,5	16,5	14,5	6	4	1	3,56
1846	55,93	59,35	90	33	57	12,5			8	4,5	1		5	9	22	12	1		3,71
1847	56,95	59,39	82	33	49	4,5		,5	5	8	2,5	5	5,5	14	17	5			1,41
1848	55,66	62,62	91	39	52	,5			3	8	1,5	6	12	11	20	10			4,83
Mean.	52,53	57,86				5,55	,68	,45	3,92	6,95	2,79	3,50	7,16	16,13	14,87				2,79
Total.						105,5	13	8,5	74,5	132	53	66,5	136	306,5	282,5				50,24

OBSERVATIONS AT LOWVILLE ACADEMY.

259

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	63,34	62,11	93	32	61	4			7	1	6	1,5	10,5	21,5	8,5	7			6,14
1828	62,52	74,03	99	35	64	2,5		1,5	11	1,5	2	6,5	5	17,5	12,5	8			2,45
1829	67,06	61,28	92	38	54	1,5			8,5	,5	5,5	3	11	21,5	8,5	8			3,44
1830	59,69	60,32	83	38	45		1		6	1	3,5	7	11,5	17	13	10			5,32
1831	72,51	66,44	95	36	59	4	1	1	4	1,5	6,5	10,5	1	21,5	8,5	7			2,10
1832	62,11	64,90	88	39	49	6			,5	10,5	1,5	9	2,5	20	10	2			1,60
1833	56,02	61,60	85	32	52	10				12,5		4	3,5	15,5	14,5				3,90
1835	63,33	59,68	93	40	53	4	3	1	2	3,5	3	10	3,5	13,5	16,5	2			6,75
1837	66,60	62,25	88	43	45	3		,5	2,5	6	3	11	4	17	13	5			
1839	56,66	60,67	79	44	35	5		,5	1,5	3	4,5	5,5	4	6	14	16	8		3,47
1840	59,50	65,83	87	44	43	4			2,5	5	7	4,5	7	16	14	5,5			2,72
1841	61,71	70,98	92	48	44	7		,5	,5	4,5	3,5	2	9,5	2,5	14	16	6,5		2,85
1842	56,39	74,64	86	34	52	7			1,5	13	,5	1,5	6,5	13,5	16,5	6			4,68
1843	53,79	65,55	91	34	57	6,5	,5		2,5	8	,5	2,5	9,5	13	17	9			4,09
1844	58,84	64,88	88	34	54	4,5			4,5	13	1	,5	6,5	14,5	15,5	10			4,10
1845	66,11	60,55	87	49	38	4,5			4,5	8	2	3	8	16	14	6			1,07
1846	62,51	62,98	92	42	50	10			2	11,5	1	,5	5	13,5	16,5	10			2,34
1847	56,86	69,08	82	36	46	3,5			1	10	,5	6	9	10	20	14			3,48
1848	58,78	70,18	91	40	51		,5			6,5	3	11	9	13	17	6			1,14
Mean.	61,28	65,15				4,61	,39	,42	3,42	6,37	2,84	5,55	6,39	15,92	14,08				3,42
Total.						87,5	7,5	8	65	121	54	105,5	121,5	302,5	267,5				61,64

JULY.																			
1827	68,91	70,69	90	40	50	3,5		,5	7	2,5	2	9,5	6	20,5	10,5	8			2,84
1828	65,91	65,25	83	52	31	1,5	1,5		2	1	13	7,5	4,5	15,5	15,5	14,5			7,53
1829	64,71	65,83	88	38	50	1,5	,5		3,5	3	2,5	13	7	19	12	10			3,05
1830	65,42	75,52	92	46	46	4			2	1	5	7	12	22,5	8,5	7,5			2,78
1831	66,63	68,34	91	41	50	3			5,5	5,5	4,5	10,5	2	16	15	12			5,94
1832	70,38	67,44	98	44	54	7				15,5		7,5	1	19	12	2,5			,70
1833	67,24	64,81	94	42	52	10		,5	9			9,5	2	18,5	12,5				3,20
1835	65,87	68,56	88	46	42	4		2	2,5	3,5	3,5	10,5	5	17,5	13,5	3			4,51
1837	65,10	64,04	93	40	53	2,5	1,5		2	1,5	9	11	3,5	21	10	3,5			
1839	67,68	73,83	92	55	37	3			4	3,5	8,5	8	4	16	15	9			5,20
1840	69,13	72,46	95	50	45	3		2	2,5	6	7	3,5	7	22,5	8,5	3,5			2,36
1841	66,28	68,76	95	37	58	11,5	,5		1,5	3	1,5	5,5	7,5	17,5	13,5	3,5			2,47
1842	66,24	68,80	100	42	58	9,5			2	8,5	1,5	1,5	8	18,5	12,5	4,5			2,22
1843	63,57	68,26	96	43	53	8			3,5	5,5	,5	4	9,5	18,5	12,5	4			5,13
1844	64,48	68,51	92	43	49	10,5			,5	11,5	1	1	6,5	19,5	11,5	9			1,77
1845	68,09	70,21	92	46	46	6		,5	,5	9	2	4	9	18,5	12,5	5			4,25
1846	66,48	69,34	88	52	36	6,5		,5	2,5	7,5	3	4	7	12	19	12			2,53
1847	73,32	70,39	99	48	51	8	,5		1,5	13	,5	2	5,5	16,5	14,5	6			1,22
1848	65,73	67,55	90	50	40	1,5			1,5	12	2,5	9	4,5	14	17	11			8,29
Mean.	66,90	68,87				5,50	,27	,29	2,34	6,42	3,55	6,76	5,87	18,05	12,95				3,67
Total.						104,5	5	5,5	44,5	122	67,5	128,5	111,5	343	246				65,99

AUGUST.																				
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]									WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1827	68,89	62,84	86	37	49	2	2,5	1	6	2,5	1	11	5	21,5	8,5	5				4,11
1828	68,27	69,22	89	46	43	4,5	1	,5	3	1	7,5	7,5	6	25,5	5,5	5				2,63
1829	66,46	62,72	92	36	56	6			2,5	3,5	4	10	5,5	24	7	4				1,91
1830	65,57	63,27	93	41	52	4,5			2	2	3	8,5	11	25	6	5				1,96
1831	65,92	71,74	95	42	53	7,5		,5	2,5	3,5	3,5	6,5	7	21,5	9,5	4,5				4,06
1832	70,07	64,12	80	33	47	8				17	,5	3,5	2	20	11	3,5				4,45
1833	65,82	63,66	93	38	55	13			,5	8,5	1	2	6	13	18					2,87
1835	64,93	63,55	94	33	61	5	1	,5	4	4	4	8,5	4	22	9	3				5,12
1837	66,27	62,15	86	40	46	3	1	1,5	1,5	7	6	7	4	18	13	3,5				
1839	64,73	67,44	96	33	63	6	2,5	2	1	3	5	2,5	9	16,5	14,5	3				1,99
1840	65,63	71,64	93	50	43	1		2,5	7	2,5	3,5	8,5	6	17	14	6,5				1,73
1841	66,26	65,08	92	36	56	5,5	3	2	,5	6	4	8,5	1,5	20	11	3				3,73
1842	63,87	65,05	82	42	40	8	2,5	3	1,5	13	1	1	1	21	10	6				3,32
1843	62,93	62,51	84	40	44	5	5		1	6	4,5	5	4,5	14	17	7,5				2,90
1844	64,97	60,72	85	44	41	4,5	2	,5	,5	10,5	4	7,5	1,5	13,5	17,5	11				1,77
1845	67,13	66,90	88	40	48	9		,5	1,5	8,5		5	6,5	20	11	3				2,98
1846	67,04	63,12	89	42	47	2,5	1,5	2	4	6	2,5	10,5	2	22	9	5				,91
1847	64,75	65,33	95	42	53	8,5				12,5	2	6	2	18	13	5				2,36
1848	70,82	51,11	94	49	45	2		,5	,5	14,5	,5	3,5	9,5	17	14	7				2,45
Mean.	66,33	64,30					5,55	1,16	,89	2,08	6,92	3,03	6,45	4,92	19,45	11,55				2,84
Total.							105,5	22	17	39,5	131,5	57,5	122,5	93,5	369,5	219,5				51,25
SEPTEMBER.																				
1827	62,89	50,47	86	29	57	7,5	2,5		5,5	,5	2,5	3,5	8	14,5	15,5	9				2,18
1828	59,61	58,95	85	38	47	7,5	,5	,5	5	,5	8	5,5	2,5	15	15	7,5				3,25
1829	53,39	51,55	86	26	60	1,5		,5	4,5	4	2,5	8	9	13	17	7				1,36
1830	57,50	52,01	81	27	54	5,5			5,5	3	4,5	5,5	6	12	18	11				2,77
1831	61,42	54,12	79	34	45	5	1,5	,5	1	4,5	2,5	9	6	12,5	17,5	8				3,25
1832	57,46	61,85	72	30	42	6,5				14		6,5	3	17	13	3				2,52
1833	55,05	57,67	80	30	50	8	1,5	1	3	4	5	2,5	5	14,5	15,5					2,96
1835	57,24	50,36	82	22	60	2,5			7	5	10	5,5		19,5	10,5	2				1,48
1837	58,84	56,15	85	30	55	1,5	2,5	1	3	12	4	3,5	2,5	18	12	3,5				
1839	62,00	54,46	84	36	48	4,5	,5	,5	4	8	1,5	6,5	4,5	13,5	16,5	6,5				
1840	58,90	54,80	80	33	47	9,5		,5		6,5	3	2	8,5	16	14	7,5			1	2,82
1841	63,15	56,76	88	35	43	3,5	2,5	1	1,5	14	1,5		6	17	13	5				4,70
1842	59,59	51,81	80	30	50	11	2	1	1,5	7	1	1,5	5	13	17	6			1	5,05
1843	55,20	64,15	86	26	60	7	1,5		5	5	6	1,5	4	12	18	4,5				4,68
1844	63,59	52,50	84	16	68	6	2	1	3,5	7,5	4	5	1	17,5	12,5	5				1,40
1845	56,89	54,43	79	30	49	5,5	,5		3	10,5	,5	5,5	4,5	16	14	4				1,34
1846	69,24	54,65	88	35	53	6	,5	,5	6	10,5	2,5	1,5	2,5	13	17	6				2,93
1847	59,66	64,15	78	30	48	10,5		,5	2	6	1	1,5	8,5	10	20	11				2,16
1848	60,01	50,32	78	28	50	2,5			1,5	8,5	,5	5	12	9,5	20,5	10			1	5,36
Mean.	59,56	54,79					5,87	,95	,45	2,92	7,00	2,92	4,42	5,47	14,39	15,61				,88
Total.							111,5	18	8,5	55,5	133	55,5	84	104	273,5	296,5				51,09

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1827	51,82	40,16	75	29	55	2		1,5	11,5	1,5	3	3	8,5	9,5	21,5	11	2	1	4,80
1828	50,38	42,55	72	11	58	1,5	3		3,5	6	7	7,5	2,5	18	13	5	,5		2,51
1829	49,95	46,12	72	23	49	2	1,5	,5	7	5	5	3,5	6,5	19,5	11,5	5	1		1,67
1830	50,74	45,96	73	24	49	8	2	1	7	6,5	2	2,5	2	15,5	15,5	5,5			3,05
1831	48,91	49,13	76	23	53	5,5	1,5		1,5	7	2,5	6,5	6,5	13,5	17,5	7	,5		3,48
1832	50,07	45,52	72	18	51	11,5			17	,5	,5	2	13,5	13,5	17,5	6,5			3,05
1833	47,71	41,44	72	20	52	5	4,5	1	2,5	3,5	5,5	1,5	7,5	10	21				4,50
1835	46,79	55,95	80	24	56	2	4		3,5	11,5	4,5	2,5	3	15	16	5			5,49
1837	43,62	43,56	79	18	61	3,5	4,5	4	1,5	7	1,5	7,5	1,5	17	14	4,5		,5	
1839	52,10	50,18	77	26	51	1,5		2	3,5	6,5	6	3,5	8	16	15	5			,46
1840	50,29	41,97	78	18	60	5,5			2,5	11	2		10	13	18	4,5	1,5	,5	3,71
1841	43,29	37,86	76	18	58	10,5	,5	1	3,5	4,5	2,5	1	7,5	10,5	20,5	5	1,5	,5	,54
1842	49,77	42,74	89	27	53	5			2,5	13	1	,5	9	17	14	5,5			2,40
1843	46,06	35,93	80	19	61	5,5		,5	5	10,5		1	8,5	7,5	23,5	6,5	5,5		3,67
1844	43,96	37,52	60	19	41	4,5	5		,5	8,5	3	7	2,5	11	20	6	4		4,48
1845	50,38	42,63	60	6	54	5,5	1	1	4	7	1	7,5	4	16,5	14,5	4			2,95
1846	50,36	33,18	78	12	66	8,5			6	12		,5	4	7,5	23,5	8	1	2	5,20
1847	48,94	42,13	72	15	58	3		1	7,5	7	,5	1,5	10,5	12,5	18,5	8			3,99
1848	49,98	43,88	78	26	52	1			1	11	1	4	13	9	22	13	1		3,22
Mean.	48,69	43,07				4,82	1,45	,71	3,89	8,21	2,55	3,21	6,16	3,26	17,74				3,28
Total.						91,5	27,5	13,5	74	156	48,5	61	117	252	337				59,17
NOVEMBER.																			
1827	32,85	25,85	49	—	150	,5			6,5		1,5	1,5	20	8,5	21,5	4	6	1	1,40
1828	42,46	31,21	64	3	61	1,5	1		6	8,5	3,5	1	8,5	6	24	3,5	4	1	2,60
1829	34,07	31,65	48	8	40	2	1,5		7	3,5	8,5	3,5	4	7,5	22,5	4	4	2	2,82
1830	47,23	38,04	64	24	40	4,5		1	10	7,5	,5	2,5	4	9	21	6	2,5	,5	5,24
1831	37,49	30,95	50	3	47	9	1		2	2,5	2	6	7,5	5,5	24,5	3	4	,5	2,18
1832	37,12	32,98	60	8	52	11			16,5			2,5		6,5	23,5	3,5	2		2,75
1833	40,51	28,02	61	—	263	4,5	3		2,5	2,5	7,5	4	6	11	19				1,77
1835	40,77	27,47	64	—	266	4	,5	1,5	1,5	11	1	8	2,5	9	21	2	3,5		2,25
1837	33,66	35,01	61	10	51	3,5	3	3,5	2	4	4	5,5	4,5	13	17	5	1,5	1	
1839	35,76	27,04	48	6	42	8,5	,5		1,5	8,5	4,5	,5	6	9	21	3	3,5		2,30
1840	41,06	30,92	65	23	42	7,5		,5	5,5	5	1,5	2	8	9	21	1	5	1	2,82
1841	37,30	26,65	75	5	70	7,5	3,5		4,5	5,5	1,5		7,5	7,5	22,5	3,5	7	,5	2,54
1842	38,36	24,92	60	—	161	14,5	1,5		6	7,5	,5	,5	9	10	20	1	7	1	3,18
1843	28,85	31,38	44	4	10	6,5			1,5	10	2,5		9,5	13,5	16,5	,5	3		3,23
1844	34,24	27,56	46	2	14	5	,5	,5	5,5	9		5,5	4	7	23	3	5		1,52
1845	35,93	32,64	60	6	54	7		,5	3	11		3,5	5	8	22	5	4		3,72
1846	45,43	29,22	73	12	61	5,5			9,5	4	,5	2,5	8	5	25	7	3	2	4,27
1847	44,10	34,47	71	—	172	1,5		1	2,5	9,5	1,5	6	8	2,5	27,5	4	3	1	4,30
1848	31,53	32,95	50	3	47				1,5	10,5	3,5	4,5	10	6,5	23,5	4	6		3,06
Mean.	37,83	30,47				4,95	,84	,45	4,13	7,18	2,34	3,13	6,98	8,11	21,89				2,94
Total.						94	16	8,5	78,5	136,5	44,5	59,5	132,5	154	416				52,95

OBSERVATIONS AT LOWVILLE ACADEMY.

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1827	29,37	20,42	46	-15	61	5			10	2,5	3	1	14	7	24	3	10	1	2,90
1828	34,71	22,31	46	-6	52				8,5	5	8,5	6	7,5	15	16	3,5	5	1	2,70
1829	32,56	32,13	56	-2	54	2,5		5	9	1,5	4,5	6,5	6,5	13	18	3	3	2	2,35
1830	29,49	25,92	49	-9	58	4,5			8,5	4,5	3,5	2,5	7,5	4,5	26,5	3	10,5	2	4,82
1831	11,81	11,80	33	-22	55	12,5	5		7	2	5	5	4	7,5	23,5		5		3,11
1832	27,80	20,78	45	-12	57	16,5			5	12		1	1	6,5	24,5	1,5	2,5		2,16
1833	22,92	26,65	46	-16	62	15,5	2,5	1	2	4	2,5		3,5	13	18				2,88
1835	12,97	19,42	43	-40	83	10,5			2	11,5	5	5,5	1	10	21	1	5,5		2,50
1837	26,18	18,69	50	-26	76	6,5	5	5	3	4,5	5	6,5	4,5	12	19	5	3,5		
1839	31,55	14,70	46	-12	58	15,5			4,5	4,5		3,5	7,5	9,5	21,5	5	4,5	5	,82
1840	24,98	15,70	39	-26	65	3			1	7	4	3	13	9,5	21,5	1,5	8,5		3,72
1841	33,46	16,75	42	-18	60	6	1	5	3	11	1,5	3	5	4,5	26,5	3,5	7,5	5	2,37
1842	16,44	20,51	46	-6	52	9,5			1	5,5	1		14	4	27		9,5		1,37
1843	22,55	29,52	41	-11	52	4,5			8,5	6	3,5		8,5	1,5	29,5		7		1,05
1844	25,93	21,46	55	-5	60	9			3,5	9,5	5		8,5	7,5	23,5	1	6		1,01
1845	16,45	17,59	34	-27	61	10			4	7,5	5	3,5	5,5	8	23	1	11		,90
1846	26,44	33,05	48	-3	51	11,5			11	2	1,5	5	4,5	6	25	2	8	2	,59
1847	32,42	19,89	60	-12	72	3			3,5	11	1	2	10,5	3,5	27,5	6	8		3,01
1848	35,25	25,50	55	-5	50	3			1	13	2,5	5,5	6	5	26	5	6		1,67
Mean.	25,96	21,73				7,58	,24	,13	4,21	6,58	2,39	2,89	6,97	7,76	23,24				2,22
Total.						144	4,5	2,5	80	125	45,5	55	132,5	147,5	441,5				39,93

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.	
	First Half.	Seco'd Half.																					
January, -	21.37	18.31	60	-34	94	4.54	.87	.37	4.84	7.18	1.69	2.35	9.10	S 89° 10'	W 19	5.82	9.74	21.26				2.34	42.23
February, -	17.37	23.80	60	-32	92	4.47	.53	.59	4.87	6.45	1.66	1.95	8.31	S 89° 58'	W 17	5.00	9.47	18.79				2.38	43.75
March, - -	27.39	33.03	73	-21	99	5.33	.24	.48	4.18	7.07	2.03	2.24	9.43	S 88° 50'	W 22	6.76	12.79	18.21				1.75	32.06
April, - - -	41.87	46.68	86	-10	76	5.16	.55	.87	4.45	5.63	1.64	8.96	8.24	N 78° 41'	W 24	7.18	14.82	15.18				1.96	34.34
May, - - - -	52.58	57.86	91	-20	71	5.58	.68	.45	3.92	6.95	2.79	3.50	7.16	N 89° 20'	W 21	6.27	16.13	14.87				2.79	50.24
June, - - - -	61.28	65.11	99	-22	67	4.61	.89	.42	3.42	6.87	2.84	5.55	6.39	N 80° 89'	W 30	9.01	15.92	14.08				3.42	61.64
July, - - - -	66.64	68.79	100	-37	63	5.50	.27	.29	2.34	6.42	3.55	6.76	5.87	N 82° 83'	W 38	11.31	18.05	12.95				3.67	65.99
August, - - -	66.33	64.15	96	-33	63	5.55	1.16	.89	2.08	6.92	3.08	6.45	4.92	N 81° 03'	W 32	9.70	19.45	11.55				2.44	51.25
September, -	60.61	54.79	88	-16	72	5.87	.95	.45	2.92	7.06	2.92	4.42	5.47	N 79° 38'	W 24	7.23	14.39	15.61				2.94	59.17
October, - - -	49.09	43.07	80	-10	70	4.82	1.45	.71	3.89	8.21	2.55	8.21	6.16	N 62° 16'	W 18	5.53	13.26	17.74				3.20	52.95
November, - -	37.83	30.47	75	-2	77	4.95	.84	.45	4.18	7.18	2.34	8.13	6.92	N 77° 26'	W 19	5.89	8.11	21.39				2.94	52.95
December, - -	25.96	21.73	60	-40	100	7.58	.24	.13	4.21	6.58	2.39	2.89	6.97	N 76° 51'	W 21	6.28	7.76	23.24				2.22	49.93
Mean. - - - -	44.07	43.98				5.81	.64	.46	3.78	6.83	2.45	3.87	7.00	S 89° 16'	W 23	7.04	13.32	17.11				2.70	47.68

Highest degree, July 13, 1842, - - - - - 100°
 Lowest degree, December 17, 1835, - - - - - 40
 Extreme range in 19 years, - - - - - 140
 Greatest monthly range in December.
 Least monthly range in July and August.

Mean monthly range, 79°.
 Driest month, March.
 Wettest month, July.
 Total fall of rain and snow in 18 years, 47 feet 10,56 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1827	16.31	28.42	31.61	45.79	54.09	62.72	69.89	64.61	56.68	45.99	29.35	24.89	48.77	93	-28	121	75	January 21,	June 12,	September 28,	October 24,
1828	25.76	81.09	33.46	40.61	57.88	69.27	65.58	68.74	59.28	46.26	36.88	28.61	46.95	99	-24	123	75	January 22,	June 27,	October 6,	October 15,
1829	16.76	15.68	26.67	43.20	58.50	64.17	65.27	64.59	52.47	48.03	32.86	32.84	48.98	92	-28	120	67	January 3,	June 6,	September 5,	October 20,
1830	15.35	17.64	31.20	49.76	52.91	60.00	70.47	64.42	54.75	48.35	42.63	27.70	44.60	93	-33	126	77	January 31,	August 23,	September 1,	December 19,
1831	13.90	17.77	35.32	45.29	56.74	69.45	67.48	63.88	57.77	49.02	34.22	11.80	45.97	95	-28	123	78	December 22,	June 9,	September 30,	October 27,
1832	21.06	19.38	20.28	40.02	52.82	63.50	68.91	67.09	59.65	47.79	35.05	24.29	44.15	92	-25	123	81	January 26,	July 5,	September 1,	November 9,
1833	24.99	16.45	27.95	50.96	58.73	63.54	66.02	64.74	56.36	44.56	34.26	24.78	44.02	94	-28	122	84	January 19,	July 21,	September 14,	October 29,
1835	21.50	16.30	28.29	41.62	54.36	61.50	67.21	64.24	53.80	51.37	34.12	16.19	40.75	94	-40	134	83	December 16,	August 12,	September 15,	November 12,
1837	23.21	19.65	26.81	38.18	52.23	64.42	64.57	64.21	59.49	43.69	34.33	22.43	41.67	93	-26	119	76	December 21,	June 30,	September 8,	November 14,
1839	23.09	23.97	31.96	49.39	53.52	58.61	70.75	66.08	58.23	51.14	31.40	23.12	45.10	96	-26	131	87	January 23,	August 19,	September 8,	November 6,
1840	12.55	27.27	31.72	43.08	57.44	62.66	70.79	68.63	56.85	46.13	35.99	20.34	44.87	95	-34	129	79	January 16,	July 17,	October 25,	October 25,
1841	25.01	19.58	23.13	38.65	53.05	60.69	67.51	65.67	59.95	49.77	31.92	25.10	43.71	95	-18	118	75	December 21,	July 24,	October 1,	October 20,
1842	25.15	25.45	35.47	51.56	61.60	67.51	67.59	64.46	55.70	46.25	31.64	18.47	44.08	100	-30	120	80	January 23,	July 13,	September 10,	October 19,
1843	23.88	13.38	21.74	43.80	50.40	59.67	65.91	62.72	59.67	40.99	29.11	26.03	41.86	96	-12	108	64	February 8,	July 23,	September 11,	October 17,
1844	11.49	22.51	31.42	46.84	55.66	61.86	66.49	62.84	55.04	40.74	30.91	23.49	42.73	92	-21	113	76	January 31,	July 10,	September 22,	October 19,
1845	23.97	23.53	34.63	43.20	51.78	63.83	69.15	67.01	55.51	46.50	34.28	17.02	48.72	92	-27	119	82	February 2,	July 13,	September 12,	October 20,
1846	22.00	17.61	32.78	47.79	57.64	62.74	67.91	65.08	61.94	41.77	37.32	29.73	45.36	92	-17	109	72	January 18,	August 5,	October 8,	October 17,
1847	19.53	20.71	35.61	47.12	57.67	65.97	71.85	65.04	56.90	45.53	39.29	26.15	48.78	99	-17	116	72	January 27,	August 19,	September 16,	November 14,
1848	23.45	21.31	28.33	43.29	59.14	64.48	66.55	60.46	55.16	46.93	32.24	30.87	44.30	94	-24	118	77	January 10,	August 9,	September 13,	October 18,
Mean.	20.11	20.68	29.67	44.28	54.15	62.98	67.41	65.23	57.17	45.87	34.09	23.83	43.62								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Percent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1827	31.5	7	4.5	92.5	25.5	23.5	47.5	133	N 74 39' W	23	85.65	174	191	68	38	9
1828	27	7	3	89.5	28.5	66	52	93	S 66 23 W	28	101.68	179	187	80	25	7
1829	22	3.5	3.5	79	27.5	47.5	69.5	112.5	S 23 50 W	33	121.41	193	172	59	36	8
1830	36	3	3.5	95.5	29	33.5	44	120.5	N 87 46 W	27	98.18	190.5	174.5	65.5	35	3
1831	58.5	11.5	2.5	54	38	35.5	77	91.5	N 75 43 W	33	121.75	170	195	65	35	3.5
1832	121.5	8	1	1.5	157	3.5	44.5	29	S 73 32 W	18	67.90	159.5	206.5	35	20	1
1833	128.5	12.5	5.5	10.5	113.5	23	33	38.5	N 66 24 W	16	59.72	142	223			
1835	67.5	19.5	14.5	27	79	27.5	85	45	S 87 09 W	24	89.01	172	193	29	29	2.5
1837	46	18.5	19	22.5	74	54.5	76	54.5	S 68 46 W	31	112.75	180.5	184.5	34.5	10	1.5
1839	65	6.5	8.5	39.5	65.5	44.5	41	94.5	N 83 18 W	27	98.94	163	202	47.5	17	1.5
1840	48.5	3	6.5	33.5	87.5	42.5	36.5	108	N 60 04 W	35	127.79	174	192	45	31.5	3.5
1841	81.5	15.5	7.5	31.5	85	26	44	74	N 79 34 W	29	105.66	154.5	210.5	44.5	59	5.5
1842	93	5.5	7	32	116	19	11	81.5	N 87 54 W	13	47.86	153	210	42.5	29.5	3.5
1843	80.5	7	2	34.5	105.5	25.5	17	93	N 71 28 W	20	73.24	119	246	45	32	
1844	74	11.5	2	44.5	106	21.5	34.5	72	S 71 35 W	17	62.05	151.5	214.5	68	41	
1845	67.5	2.5	4	42.5	106	17	40	85.5	S 76 33 W	21	78.83	160	205	47	50	5
1846	78	3	3.5	72	84.5	14.5	27	82.5	S 78 19 W	11	39.15	135.5	229.5	72	38	7
1847	67	2.5	5.5	33.5	110.5	15	42.5	89	S 81 15 W	23	86.08	122.5	242.5	71	35	6
1848	27	1.5	1	15.5	117	18	71.5	114.5	S 78 16 W	49	178.59	135	231	78	30	1
Mean.	64.24	7.84	5.50	44.79	81.87	29.37	47.00	85.26	S 87°09' W	23	85.43	159.49	205.76			
Tota.	1220.5	149	104.5	851	1555.5	558	893.5	1620				3028.5	3909.5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1827	3.33	1.91	.80	1.88	1.02	6.14	2.84	4.11	2.18	4.80	1.40	12.90	32.57	March.	June.
1828	2.65	3.55	1.50	1.44	2.67	2.45	2.53	2.63	2.25	2.51	2.60	12.70	35.48	April.	July.
1829	2.01	3.10	1.13	2.60	1.83	3.44	3.05	1.91	1.36	1.67	3.82	2.35	28.07	March.	November.
1830	1.99	1.75	4.53	.35	2.10	5.32	2.78	1.96	2.77	3.05	5.24	4.82	36.66	April.	June.
1831	2.48	5.71	1.35	3.33	2.75	2.10	5.94	4.06	3.25	3.48	2.18	2.11	39.79	March.	February.
1832	2.05	4.24	1.45	1.00	3.15	1.60	7.70	4.45	2.53	3.05	2.75	2.16	29.12	July.	August.
1833	2.10	1.75	1.30	1.45	6.40	3.90	3.20	2.57	2.96	4.50	1.77	2.88	35.03	March.	May.
1835	3.02	2.40	1.35	2.61	1.64	6.75	4.51	5.12	1.48	5.49	2.25	2.50	30.12	March.	June.
1839	3.29	1.13	1.97	1.19	3.76	3.47	5.20	1.99	2.82	.46	2.30	.82	28.40	October.	July.
1840	4.36	2.36	3.21	4.57	3.73	2.72	2.36	1.73	4.70	3.71	2.82	3.72	39.99	March.	October.
1841	3.15	.29	3.20	1.65	1.02	2.85	2.47	3.73	5.05	.54	2.74	2.37	28.86	February.	September.
1842	.55	5.67	2.36	2.39	1.72	4.68	2.22	3.32	4.68	2.40	3.18	1.37	34.54	January.	February.
1843	1.16	1.09	.70	1.43	1.31	4.09	5.13	2.90	1.40	3.67	3.23	1.05	27.16	March.	July.
1844	2.70	1.06	1.85	1.26	3.58	4.10	1.77	1.77	1.34	4.48	1.52	1.01	26.47	December.	October.
1845	2.95	1.73	1.94	1.71	3.56	1.07	4.25	2.98	2.95	3.72	.90	30.69	30.69	December.	July.
1846	1.05	1.86	1.25	.99	2.71	2.34	2.53	.91	2.16	5.20	4.27	.59	26.86	December.	October.
1847	1.96	3.35	1.96	8.76	1.41	3.48	1.22	2.36	5.36	3.99	4.30	3.01	36.16	July.	September.
1848	1.38	.80	.68	.68	4.85	1.14	8.29	2.45	.88	3.22	3.06	1.67	29.03	April.	July.
Mean.	2.34	2.38	1.78	1.90	2.79	3.42	3.67	2.84	2.82	3.28	2.94	2.22	32.69		
Total.	42.24	41.75	32.06	34.24	50.24	61.64	65.99	51.25	51.09	59.17	52.95	39.93	588.57		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1827	27	20	27	12	26	3	10	25	17	1	13	2	10	25	5	28	6	27	1	26	12	17	14	26
1828	5	21	7	11	29	4	18	7	29	7	27	9	17	27	31	27	1	9	10	16	4	17	3	31
1829	16	3	8	28	29	18	29	6	28	10	6	29	11	24	7	27	1	27	24	21	1	24	7	3
1830	3	30	20	6	21	9	30	3	4	7	15	8	29	9	23	25	24	17	2	25	9	26	31	22
1831	4	20	28	13	31	17	18	9	29	9	23	8	14	19	28	10	29	2	28	10	30	28	22	22
1832	8	25	2	24	24	17	25	8	13	27	15	6	5	15	13	25	20	13	17	28	1	15	31	22
1833	4	11	17	24	30	2	29	15	18	21	23	3	21	19	25	28	4	1	16	30	9	20	31	12
1835	26	3	22	8	15	3	11	17	28	15	11	21	13	8	12	31	5	29	18	31	4	29	26	16
1837	31	2	20	13	7	3	29	5	14	1	30	16	14	16	2	22	6	20	23	29	21	25	1	21
1839	10	23	24	6	31	3	6	8	24	3	30	1	20	4	19	29	21	27	29	20	8	21	7	30
1840	30	16	23	4	4	11	25	1	17	6	29	2	17	1	22	8	9	21	8	26	3	19	9	25
1841	7	3	26	12	26	16	25	10	28	2	8	3	24	28	28	23	3	30	31	25	1	29	3	21
1842	19	23	3	17	3	19	22	1	17	9	30	11	13	31	26	1	2	22	7	20	1	28	4	23
1843	7	1	25	8	31	2	26	1	14	24	22	16	28	31	7	2	23	26	6	31	17	27	16	12
1844	16	31	26	9	1	30	14	26	25	21	19	10	30	26	16	28	20	27	3	31	7	25	26	20
1845	9	31	21	6	31	16	23	7	11	29	8	17	13	24	10	31	29	22	11	21	18	29	29	11
1846	15	18	3	26	12	1	6	1	26	11	14	6	11	15	15	18	4	21	7	28	9	25	27	16
1847	15	27	2	23	7	12	21	15	11	2	10	15	19	26	16	23	5	14	6	26	16	29	10	26
1848	1	10	20	11	31	15	11	1	19	14	18	6	21	15	9	18	2	22	9	21	25	10	8	26

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1827	44	-28	43	-32	65	-5	73	20	84	32	93	32	90	40	86	37	86	29	75	20	49	-1	49	-15
1828	45	-24	51	-1	73	-2	60	19	77	28	99	35	83	52	89	46	85	38	72	14	64	3	46	-6
1829	39	-28	46	-19	61	-2	72	24	91	28	92	38	88	38	92	36	86	29	72	23	48	8	56	-2
1830	42	-33	50	-27	60	-5	82	22	81	24	83	38	92	46	93	41	81	27	73	24	64	24	49	-9
1831	50	-28	55	-20	57	-2	76	21	89	28	95	36	91	41	95	42	79	34	76	23	50	3	33	-22
1832	48	-25	38	-22	70	-11	72	10	87	30	88	39	98	44	80	33	72	30	72	18	60	8	45	-12
1833	56	-28	46	-22	45	-17	83	17	86	32	84	32	94	42	93	38	80	30	72	20	61	-2	46	-16
1835	46	-31	45	-23	52	-16	76	10	85	25	93	40	88	46	94	33	82	22	80	24	64	2	43	-40
1837	41	-21	44	-18	45	-21	66	13	82	20	88	43	93	40	86	40	85	30	79	18	61	10	50	-26
1839	52	-35	54	-14	55	-3	78	30	75	30	79	44	92	55	96	33	83	36	78	26	48	6	46	-12
1840	45	-34	54	-20	60	0	86	26	84	31	87	44	95	50	93	50	80	34	78	18	65	23	39	-26
1841	40	-10	50	-12	61	-14	75	16	89	28	92	48	95	37	92	36	88	35	76	18	75	5	42	-18
1842	60	-20	56	-8	65	10	84	17	68	30	86	30	100	42	82	42	80	30	80	27	60	-1	46	-6
1843	58	-6	34	-12	49	-7	74	12	90	30	91	34	96	43	84	40	86	26	80	19	44	4	41	-11
1844	44	-21	60	-16	66	1	84	19	88	26	88	34	92	43	85	44	84	16	60	19	46	2	55	-5
1845	51	-12	60	-22	78	8	74	20	86	32	87	49	92	46	88	40	79	30	68	10	60	6	34	-27
1846	47	-17	40	-16	60	-12	82	22	90	33	92	42	88	52	89	42	88	35	78	12	73	12	48	-3
1847	44	-17	45	-16	50	-2	64	22	82	33	82	36	99	48	95	42	78	30	72	14	71	-1	60	-12
1848	53	-24	44	-12	64	-3	86	24	91	39	91	40	98	50	94	49	78	28	78	26	50	3	55	5
Highest.	60		60		78		86		91		99		100		96		88		80		75		60	
Lowest.		-34		-32		-21		10		20		30		37		33		16		10		-2		-40
Range.		94		92		99		76		71		69		63		63		72		70		77		100

SUMMARY OF OBSERVATIONS AT MEXICO ACADEMY,

MEXICO, OSWEGO COUNTY, N. Y., DURING 11 YEARS.

Latitude N. 43° 27'; Longitude W. 76° 14'. Elevation above tide 331 feet. Elevation above Lake Ontario 97,7 feet.
South from the lake about four miles.

OBSERVERS

1837, GEO. G. HAPGOOD, Principal, and MERETABEL EASTON.

1838, GEORGE G. HAPGOOD, Principal.

1840, MISSES EASTON and BIGELOW, Teachers, and B. I. DIEFENDORF, Principal.

1841, B. I. DIEFENDORF and RUSSELL WHITING, Principals.

1842, R. WHITING, Principal, and Messrs. AVERY and HYDE, Teachers.

1843, R. WHITING and W. H. GILLESPIE, Principals, and W. M. FERRISS.

1844, W. H. GILLESPIE, Teacher, and JESSE A. HATHAWAY.

1845, '6, W. H. GILLESPIE, Teacher.

1848, T. R. FRENCH, A. C. BEACH, W. H. GILLESPIE, Teachers.

1849, W. H. GILLESPIE, Teacher.

JANUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1837	14,94	18,35	46	—24	70	4,5	,5	,5	8,5	5	1,5		10,5	12	19		7		1,70
1838	35,38	26,86	52	—5	57		2	3	2	5,5	8,5	9	1	9	22	2,5	5,5	,5	2,77
1840	12,48	16,89	48	—18	66	4			7,5	5	2,5	4	8	8	23	1	11,5	1	1,91
1841	25,26	28,10	49	0	49			2	10	4	9	3	3	7	24	4,5	6,5		3,08
1842	25,82	32,66	55	—12	67	2,5		4	8	2,5	1	9,5	3,5	10	21	1,5	1,5		1,95
1843	30,28	32,83	66	—2	68	4		,5	10,5	6	1	1,5	7,5	9	22	4	4	1	1,74
1844	17,82	7,54	36	—14	50	9,5		4		10		6	1,5	7	24	2	9	2	3,60
1845	25,48	21,83	44	—12	56	2	1,5	5,5	3,5		4,5	12,5	1,5	11,5	19,5	3	9		2,45
1846	25,64	15,95	42	—9	51	3,5		4,5	2		2	8,5	10,5	20	11	3	5		1,42
1848	23,12	28,02	48	—10	58	2,5		6,5	10,5	1	,5	6,5	3,5	12	19	6	9	1	2,40
1849	13,95	19,75	40	—10	50	3	1		7	2,5	,5	8,5	8,5	10	21	4	9	2	2,00
Mean.	22,74	22,62				3,22	,46	2,77	6,33	3,77	2,72	6,37	5,36	10,50	20,50				2,27
Total.						35,5	5	30,5	69,5	41,5	31	69	59	115,5	225,5				25,02

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1837	19,66	23,72	42	20	62	4,5	2		6,5	6,5	2,5	3,5	2,5	13	15	1,5	5		1,63
1838	20,93	16,80	49	0	49	1,5	4	,5	2,5	1	3,5	10	5	6,5	21,5		7,5		1,84
1840	23,78	32,98	55	7	48	,5	1		14,5	,5		1,5	11	8,5	20,5	5	5,5	1	1,24
1841	17,44	24,65	43	—	649	1	,5		3,5	3,5	6,5	3	10	8	20		8,5		2,25
1842	33,92	27,57	60	—	161			3	10,5		1	7	6,5	10	18	5	4,5		4,85
1843	17,99	19,19	46	1	45	5	,5		2	4	7,5	4,5	4,5	,5	27,5		17		3,41
1844	19,97	26,02	46	—	854	6,5			1,5	15,5	,5	4,5	,5	9,5	19,5		6		,65
1845	12,45	35,98	54	—	1064	1,5	2	6,5	3,5	3		9	2,5	16,5	11,5	2	7	1	3,70
1846	17,87	15,18	36	—	642	4	1	6		1,5		8	7,5	19	9		9		1,65
1848	21,21	23,50	44	—	549	5		3	2	7		10	2	14,5	14,5	3	6		1,00
1849	16,87	19,11	46	—	2470	5			12,5	3,5		5,5	1,5	15	13	1	9		,47
Mean.	20,19	24,06				3,13	1,00	1,63	5,36	4,17	1,95	6,14	4,86	11,5	17,26				2,06
Total.						34,5	11	19	59	46	21,5	66,5	53,5	171	190				22,69

MARCH.

1837	22,97	32,77	47	—	1562	4	,5		9,5	7	6	2	2	14,5	16,5	5	1,5	1	2,12
1838	30,73	36,99	60	0	60	6	,5		7,5	,5	3	3	10,5	18,5	12,5	3,5			,96
1840	30,43	31,75	54	—	357	,5	1		8	3	1	4,5	13	12,5	18,5	4,5	4,5	,5	1,06
1841	21,73	32,35	57	0	57	5	1,5	4,5	3	,5	2,5	6	8	19,5	11,5	4	4,5		1,58
1842	37,29	39,00	66	16	50		,5		5	2	2	10	11,5	15	16	4	4,5		2,44
1843	24,17	25,30	48	—	250	1,5	2,5	1	5	6,5	3	5,5	6	11	20	1	16		6,65
1844	32,77	27,68	46	4	42	8		2,5	3	9,5	1	5,5	1,5	11,5	19,5	5	2		2,60
1845	37,07	38,72	72	14	58			4,5	3,5	5	1	15,5	1,5	14,5	16,5	3	6	1	2,75
1846	27,10	33,66	54	—	862			7,5	1,5		1	15	6	18,5	12,5	4			1,35
1848	25,59	37,68	68	0	68	2	1	2	6,5	1	,5	15,5	2,5	14	17	5	8	1	2,13
1849	27,46	34,37	48	10	38	3		2	8	3		13	2	22	9	5	1		1,27
Mean.	28,85	33,66				2,72	,68	2,18	5,51	3,45	1,90	8,69	5,87	15,54	15,46				2,26
Total.						30	7,5	24	60,5	38	21	95,5	64,5	171,5	169,5				24,91

APRIL.

1837	36,96	37,13	65	21	44	4,5		1	2,5	2,5	4	3	7,5	20	10	3	1,5	1,5	,77
1838	36,41	39,21	56	15	41	,5	,5	1	7	1,5	2,5	4	13	20	10	1,5	,5	,5	,86
1840	39,17	50,06	86	15	71	,5		,5	6,5	3,5	4,5	4,5	10	19	11	5	1,5	1,5	1,75
1841	31,06	43,71	73	2	71	,5	2,5	4,5	5,5		1	8,5	7,5	16,5	13,5	3,5	1,5	1	2,95
1842	42,59	50,70	87	21	66	1,5	,5	1	7	3	2,5	8,5	6	16,5	13,5	6	,5		1,90
1843	39,31	50,92	76	16	60	,5	1,5		9,5	4	2	5	7,5	13	17	9	3		1,82
1844	45,70	49,70	80	10	70	2,5		2,5	1,5	15		7,5	1	21,5	8,5	6			1,61
1845	36,75	51,17	73	20	53	2	1	,5	6,5	2,5	3	11	3,5	17,5	12,5	3	2		,92
1846	40,97	50,75	78	29	49			1	1		3	23	2	23	7	4			,77
1848	39,19	40,95	74	20	54	3		2,5	4	,5	1,5	13,5	5	19,5	10,5	5	1		1,06
1849	39,28	38,78	68	22	46				9,5			16	4,5	21,5	8,5	5	1	1	1,04
Mean.	38,85	45,73				1,41	,54	1,32	5,51	1,95	2,19	9,96	6,12	18,91	11,09				1,40
Total.						15,5	6	14,5	60,5	32,5	24	109,5	67,5	208	122				15,45

OBSERVATIONS AT MEXICO ACADEMY.

MAY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1837	51,13	52,73	86	24	62	1	2	1,5	4	10	3	2	7,5	15	16	8,5	,5		2,51
1838	46,25	54,36	85	32	53	1	1	1	9	4	3,5	9	2,5	14	17	11			5,13
1840	46,84	58,70	82	30	52	3	2,5	,5	8	1	1	6	9	22	9	5	,5		1,64
1841	39,03	57,86	90	24	66	1,5		1,5	5,5		,5	5	17	24,5	6,5	3,5	1		1,06
1842	49,68	53,99	90	29	61	1	1	2	4	4	5	7,5	6,5	19,5	11,5	7,5			1,90
1843	54,99	51,86	89	32	57		3,5		6	4	3	7	7,5	19	12	6			2,17
1844	53,64	56,04	84	28	56	1		1	1,5	8	,5	18,5	,5	16	15	15			4,31
1845	54,43	46,99	88	18	70	3	1	2	2	1,5	1	14	6,5	20	11	6			3,10
1846	53,59	51,24	84	30	54			5	1,5		,5	20,5	3,5	19	12	8			2,07
1848	52,33	61,34	86	30	56	,5		2	5,5	2,5	5,5	10,5	4,5	16,5	14,5	13			4,34
1849	43,20	52,92	84	30	54	,5		2,5	3,5	2,5	,5	17	4,5	18	13	11			2,23
Mean.	49,55	54,37				1,14	1,00	1,73	4,59	3,41	2,18	10,63	6,32	18,45	12,55				2,77
Total.						12,5	11	19	50,5	37,5	24	117	69,5	203,5	137,5				39,46
JUNE.																			
1837	68,29	64,61	87	42	45	5	2	,5	1,5	9	4,5	3,5	4	12,5	17,5	8,5			5,07
1838	65,88	71,16	93	46	47	1,5	1	1	5	5	6,5	4,5	5,5	25,5	9,5	7,5			2,81
1840	56,73	61,85	84	31	53	2,5			4,5	1	2	7,5	12,5	20,5	9,5	8			1,81
1841	62,74	65,73	90	40	50	,5		1	6	,5	2	4,5	15,5	23,5	6,5	5			1,25
1842	57,31	65,59	90	31	59	,5	1,5	,5	12,5	5	1,5	1,5	7	20	10	8,5			3,32
1843	56,24	67,53	94	34	60		,5	,5	5,5	4,5	5,5	7,5	6	18,5	11,5	13			2,10
1844	55,48	65,26	85	38	47	1,5	,5		12		16	1	21	21	9	8			2,02
1845	64,16	58,95	92	42	50	,5		1,5		1,5	3	22,5	1	24	6	8			3,52
1846	60,55	59,93	88	44	44	3		4,5	1		1	19	1,5	18,5	11,5	6			1,38
1848	58,49	69,77	91	35	56	1			1	3	7	12	6	17,5	12,5	13			2,86
1849	59,24	65,59	87	40	47	,5			1,5	3	,5	24	,5	26	4	5			,57
Mean.	60,46	65,08				1,50	,50	,86	3,50	3,96	3,04	11,14	5,50	20,68	9,32				2,38
Total.						16,5	5,5	9,5	38,5	43,5	33,5	122,5	60,5	227,5	102,5				26,21
JULY.																			
1837	68,15	68,47	96	52	44	,5	1,5		3,5	1	7	5,5	12	22,5	8,5	5,5			4,72
1838	72,34	65,96	99	52	47				5,5	11,5	3,5	8	2,5	21	10	4			1,92
1840	68,42	68,50	90	45	45	7			2,5	3	3,5	7,5	7,5	27	4	3			1,92
1841	63,44	68,24	95	40	55		,5	,5	3	1,5	1,5	15,5	8,5	25,5	5,5	3,5			1,62
1842	66,26	71,73	90	42	48	3,5	1		7,5	,5	5	2	11,5	24	7	4,5			2,77
1843	60,86	62,70	91	42	49	,5			,5	2	9	16,5	2,5	26	5	7			4,24
1844	63,11	66,12	90	41	49	1,5		,5	1	6		22		22,5	8,5	10			2,25
1845	68,46	68,84	89	45	44	6	1		1	7	3	5	8	17	14	9			3,23
1846	62,90	66,14	90	48	42	2,5		3,5	1	5,5		19,5	1	22,5	8,5	8			2,92
1848	67,08	66,87	88	49	39		,5	1,5	5,5	5	7	10,5	1	16	15	10			2,75
1849	65,94	66,06	94	44	50	2,5		,5	6	2,5	,5	18	1	27,5	3,5	6			1,91
Mean.	66,09	67,24				2,18	,41	,59	3,37	3,95	3,64	11,81	5,07	22,85	8,17				2,75
Total.						24	4,5	6,5	37	43,5	40	139	55,5	251,5	89,5				30,25

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1837	69,50	66,20	92	48	44	1,5	1		3	6	13	4	2,5	18	13	7			6,53
1838	68,24	65,96	87	42	45	2	1,5	1	4	8,5	6	4,5	3,5	22,5	8,5	6			3,12
1840	63,87	72,77	85	48	37	2	,5	1	6	4	5	8,5	4	19,5	11,5	8			1,66
1841	67,75	67,07	89	44	45	,5	,5	1,5	5,5	2	2,5	9	9,5	21,5	9,5	3,5			1,45
1842	66,59	69,15	91	43	48	3,5	5		10	2,5	4,5	2,5	3	22	9	4,5			1,79
1843	66,22	67,16	91	54	37	2,5		1	2	10	2	13	,5	20	11	7			1,07
1844	65,17	60,87	84	42	42					12,5		18,5		14	17	13			2,77
1845	66,03	65,70	88	45	43	4	2,5	2	3	1	4,5	6,5	7,5	26,5	4,5	1			,20
1846	70,81	65,47	90	46	44			3,5		3	3,5	19	2	25,5	5,5	5			1,30
1848	65,56	64,16	90	46	44	1,5		2,5	8	9	3,5	5,5	1	23	8	2			1,80
1849	63,20	67,89	86	45	41			,5	5	4,5	1	19,5	,5	22	9	11			1,66
Mean.	66,33	66,58				1,59	1,00	1,18	4,21	5,73	4,14	10,06	3,09	21,31	9,69				2,12
Total.						17,5	11	13	46,5	63	45,5	110,5	34	234,5	106,5				23,35
SEPTEMBER.																			
1837	69,53	58,85	83	38	45	2	5	1,5	2,5	2	10,5	2,5	4	18	12	7			2,95
1838	61,20	57,60	81	32	49	1,5	2		4	4	7	5	6,5	22,5	7,5	13			1,55
1840	56,85	53,14	72	32	40	,5	3,5	1	4,5	1	11	1	7,5	20	10	7			2,05
1841	67,18	59,25	92	40	52	1,5		4	7,5	3,5	4	1,5	8	16	14	5,5			3,60
1842	62,56	55,11	86	33	53	2	2,5		4,5	2,5	5,5	5	8	15	15	7			5,49
1843	60,53	57,57	88	30	58	3,5		1	6	15		3,5	1	18	12	8			2,47
1844	63,55	53,66	91	28	63					14		15	1	19	11	3			,55
1845	55,61	52,57	80	32	48	,5			4	4,5	2	13	6	16	14	12			2,59
1846	70,56	54,60	90	32	58			5				25		23	7	9			2,15
1848	57,71	48,59	80	32	48				6,5	2		20	1,5	15	15	16			4,59
1849	56,53	56,97	80	32	48	,5			2	5,5	1,5	20	,5	22,5	7,5	8			2,71
Mean.	61,98	55,23				1,09	1,28	1,13	3,78	4,91	3,88	9,93	4,00	18,63	11,37				2,79
Total.						12	13	12,5	41,5	54	41,5	101,5	44	205	125				30,70
OCTOBER.																			
1837	47,26	46,38	80	24	56	5,5	3,5	,5	6,5		6,5		8,5	14,5	16,5	6			3,55
1838	49,22	39,61	70	22	43	,5		,5	5	7	9	4	5	9,5	21,5	10	2,5		4,47
1840	51,34	41,22	72	22	50	1	2		13	2	6	5,5	1,5	10,5	20,5	7	3,5		1,33
1841	42,30	40,97	70	25	45	7	1	4	2	5,5	1	5	5,5	13,5	17,5	3,5	,5	1	1,71
1842	51,32	46,90	70	28	42	1		1	6	3	8,5	3,5	8	14	17	4			3,15
1843	47,13	36,68	74	20	54	3,5			7	7	,5	12	1	11	20	13	2		4,17
1844	47,24	40,93	68	20	48	4				9		18		13,5	17,5	7	2	1	5,90
1845	51,55	44,26	72	26	46	1			3,5	1,5	5,5	12,5	7	23,5	7,5	7			3,66
1846	49,90	38,01	68	20	48	1,5		7		2		20,5		17	14	9	2		6,81
1848	46,29	39,71	68	28	40				8	,5	,5	20,5	1,5	14	17	11		1	2,37
1849	45,57	45,43	64	26	38	,5	1	3	3,5	2,5	,5	20		14,5	16,5	11	1		6,28
Mean.	48,10	41,82				2,31	,68	1,45	4,95	3,64	3,45	11,06	3,46	14,13	16,87				3,94
Total.						25,5	7,5	16	54,5	40	38	121,5	38	155,5	185,5				43,40

NOVEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1837	38,28	38,69	66	18	48	5,5	2	1	7		6,5	5	3	9	21	5	1,5	,5	3,20
1838	36,60	23,68	55	10	45	1,5	1,5		5,5	4	7	3,5	7	7	23	3,5	7	,5	4,15
1840	42,16	32,18	61	22	39	1,5	2,5	2,5	,5	,5	10	8,5	4	13	17	5	6		1,71
1841	38,75	28,39	72	8	24	6	3,5	4,5	,5	2,5	,5	5,5	7	3	27	3	4,5	1,5	4,65
1842	35,70	27,00	55	14	41		1,5	1	5,5	4	6	4	8	6	24	4	4,5		3,14
1843	27,75	32,24	44	13	31	3		4,5	3,5	6,5		12,5		4	26	7	6		3,76
1844	58,65	30,05	54	9	45	2,5				9		18,5		9,5	20,5	3	2		1,00
1845	39,73	31,41	67	11	56				3,5	2	4	14	6,5	16,5	13,5	4	6		1,61
1846	45,89	33,95	60	19	41	1,5	1	7,5	10	1		9		11,5	18,5	6	2	1	5,48
1848	32,08	32,37	45	16	29	1			7	3,5	1,5	14	3	6	24	4	6	1	1,06
1849	46,57	40,95	66	26	40	1		4	4	3		18		12	18	10	3		4,02
Mean.	40,19	31,90				2,14	1,09	2,27	4,27	3,27	3,22	10,24	3,50	8,88	21,12				3,07
Total.						23,5	12	25	47	36	35,5	112,5	38,5	97,5	232,5				33,78

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1837	35,53	23,83	52	—	6,58	4,5	1	,5	3,5	5,5	4	6,5	5,5	7,5	23,5	1	3,5		2,73
1838	23,14	19,74	39	4	35	1	1	,5	5,5	8,5	4	5	5,5	6,5	24,5	2	7		2,59
1840	28,05	18,23	44	—	34,7	2,5	4,5	1	4,5		7	4	7,5	9	22	6	7,5		1,37
1841	35,30	21,62	43	—	11,54	5	,5	1	11,5	1		9,5	2,5	4	27	5,5	3,5	,5	3,87
1842	30,98	24,81	50	10	40	4	2,5		10	1	3,5	1	9	3	28	,5	9	,5	3,94
1843	23,19	28,49	40	—	2,42	3		5	8,5	6,5		7,5	,5	2,5	28,5	4	5		2,10
1844	27,48	25,08	46	—	2,44	2,5		2		3,5		23		7,5	23,5	3	5		5,20
1845	17,56	19,34	36	—	7,43	1,5			6	3	3	7,5	10	22,5	8,5		10		1,87
1846	24,33	24,62	45	—	2,43			1	8,5			19	2,5	12,5	18,5	4	4	1	3,62
1848	34,90	27,43	58	—	8,50	1,5			16,5	1		10	2	11	20	8	6		3,88
1849	45,60	22,46	38	—	0,38	1,5	,5	1,5	4,5	1		19,5	2,5	4	27	4	10	2	2,91
Mean.	27,82	23,24				2,46	,91	1,13	7,17	2,82	1,96	10,23	4,32	8,18	22,82				3,09
Total.						27	10	12,5	79	4	21,5	112,5	47,5	90	151				34,08

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gauge. Monthly mean.
	First Half.	Second Half.																				
January.	22,74	22,63	66	—24	90	3,22	,46	2,77	6,33	3,77	2,72	6,37	5,36	76	10	20	6,15	10,50	29,50			2,27
February.	24,19	24,06	60	—24	84	3,13	1,00	1,63	5,36	4,17	1,95	6,11	4,26	66	11	17	5,62	11,00	17,26			2,26
March.	28,85	33,66	72	—15	87	2,72	,68	2,18	5,51	3,45	1,90	8,69	5,87	79	15	26	7,77	15,54	15,46			2,26
April.	38,85	45,73	87	—2	85	1,41	,54	1,32	5,51	1,95	2,19	9,90	6,12	83	13	42	12,60	18,91	11,09			1,40
May.	49,55	54,37	90	18	72	1,14	1,00	1,73	4,59	3,41	2,18	10,43	6,22	80	18	37	11,13	18,45	12,55			2,77
June.	60,46	65,08	94	31	63	1,50	,50	,86	3,50	3,96	3,04	11,10	5,50	78	16	46	13,72	20,68	9,32			2,38
July.	66,09	67,24	99	40	59	2,18	,41	,59	3,37	3,95	3,64	11,81	5,06	81	15	49	14,87	22,83	8,17			2,75
August.	66,33	66,53	92	42	50	1,59	1,00	1,18	1,91	5,73	4,11	10,06	3,00	82	16	49	14,82	21,31	9,69			2,12
September.	61,98	55,23	92	28	64	1,09	1,25	1,13	3,72	4,91	3,88	9,92	4,00	83	16	50	11,96	18,63	11,37			2,97
October.	48,10	41,82	92	20	72	2,31	,68	1,45	4,95	3,64	3,45	11,06	3,16	83	12	52	15,61	14,13	16,87			3,04
November.	40,19	31,90	72	8	64	2,14	1,09	2,27	4,27	3,27	3,22	10,24	3,50	80	17	31	9,49	8,88	21,12			8,07
December.	27,82	23,24	58	—11	69	2,46	,91	1,13	7,17	2,82	1,96	10,23	4,32	83	11	24	8,58	8,18	22,82			3,60
Mean.	44,26	44,29				2,07	,89	1,52	4,88	3,75	2,86	9,69	4,87	82	12	43	10,07	15,76	14,68			2,57

Highest degree, July 4, 1838, — 99°
 Lowest degree, January 14, 1837, and February 10, 1840, — 24°
 Extreme range in 11 years, — 123°
 Greatest monthly range in January.
 Least monthly range in July.

Mean monthly range, 72°.
 Driest month, April.
 Wettest month, October.
 Total fall of rain and snow in 11 years, 28 feet 4,49 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1837	16.64	21.84	27.88	37.04	51.98	66.45	68.31	67.85	61.54	46.52	38.18	28.68	44.45	96	-24	129	70	February 17.	August 21.	October 7.	November 6.
1838	31.12	18.91	38.56	37.81	50.36	68.02	67.10	67.10	59.40	44.22	30.11	21.41	41.13	99	-5	104	60	January 31.	July 4.	September 16.	October 13.
1840	14.68	28.88	31.09	44.61	52.77	59.29	68.46	68.32	54.99	46.27	36.11	23.14	44.03	90	-18	105	71	January 1.	July 11.	September 22.	October 25.
1841	26.68	21.44	27.14	47.38	48.44	64.23	65.84	67.41	68.21	41.68	33.57	28.16	33.74	95	-11	106	76	December 21.	July 21.	September 18.	October 22.
1842	29.24	30.74	38.14	46.64	51.82	61.45	68.99	67.78	59.83	49.11	31.35	27.89	46.86	91	-12	103	67	January 23.	July 29.	September 10.	November 12.
1843	31.55	18.94	24.73	15.11	2.92	61.88	61.78	66.69	59.05	41.90	24.99	25.84	42.95	94	-12	96	68	December 2.	June 29.	September 12.	October 27.
1844	12.68	22.99	30.22	47.70	54.84	60.37	64.61	63.92	58.60	44.08	34.35	26.28	43.31	91	-11	105	70	January 29.	Sept. 13.	September 25.	October 20.
1845	23.6	24.21	36.39	43.96	50.71	61.55	68.65	65.86	54.10	47.95	35.57	18.45	44.25	92	-12	104	70	February 2.	July 13.	September 15.	November 9.
1846	20.79	16.52	30.38	45.86	52.41	60.24	64.52	68.14	62.58	43.95	39.92	24.17	43.73	90	-9	99	62	January 19.	Sept. 7.	September 21.	October 22.
1848	25.57	22.35	31.63	40.67	56.83	64.13	66.97	64.86	53.15	43.00	32.22	31.16	44.32	91	-10	101	65	January 10.	June 18.	September 13.	November 2.
1849	18.55	17.99	30.91	39.60	48.06	62.41	66.10	65.54	56.75	45.50	43.76	24.03	43.06	94	-24	115	70	January 10.	July 10.	September 19.	October 31.
Mean.	22.18	22.16	31.12	42.29	51.91	62.72	66.48	65.69	58.47	44.04	34.61	25.41	41.08								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1837	43	21	7	58.5	54.5	69	42.5	69.5	N 64° 00' W	19	68.24	176.5	188.5	57.5	20.5	3
1838	17	15	8.5	62.5	61	64	69.5	67.5	N 53° 00' W	34	124.55	177.5	187.5	64.5	30	1.5
1840	25.5	15.5	7	85	25.5	49	59	99.5	N 81° 07' W	24	86.97	186.5	179.5	63	36.5	4
1841	28.5	10.5	29	63.5	24.5	31	76	102	N 79° 19' W	25	90.28	182.5	182.5	45	30.5	4
1842	19.5	16	12.5	90.5	30	46	62	88.5	S 64° 27' W	21	76.81	175	190	57	24.5	5
1843	27	8.5	13.5	66	76	33.5	96	44.5	S 46° 04' W	32	118.07	152.5	112.5	79	54	1
1844	38.5	5	12.5	8	124	2	173	7	S 86° 34' W	45	165.06	172.5	193.5	75	26	3
1845	22	9	22.5	40	32.5	34.5	143	61.5	N 85° 02' W	42	154.30	226	139	58	40	2
1846	16	2	55.5	26.5	11	11	206.5	36.5	N 88° 01' W	45	161.59	230	135	66	22	2
1848	18	1.5	20	81	36	27.5	148.5	33.5	S 89° 06' W	49	180.50	179	187	96	36	4
1849	18	2.5	14	67	33.5	5	199	26	S 73° 54' W	45	164.02	215	150	81	34	5
Mean.	24.82	9.27	18.36	59.00	46.23	33.86	115.91	57.81	S 74° 14' W	34	124.60	18.84	17.69			
Total.	273	102	102	649	508.5	372.5	1275	636				2073	1945			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1837	1.70	1.63	2.12	.77	2.51	5.07	4.72	6.53	2.95	3.55	3.29	2.73	37.48	April.	August.
1838	2.77	1.84	1.93	.86	5.13	2.81	1.92	3.12	1.55	4.47	4.15	2.55	32.17	April.	May.
1840	1.91	1.34	1.06	1.75	1.64	1.81	1.92	1.66	2.05	1.93	1.71	1.37	19.01	March.	September.
1841	3.08	2.25	1.58	2.95	1.06	1.25	1.62	1.45	3.69	1.71	4.05	3.87	22.07	May.	November.
1842	1.95	4.75	2.44	1.90	1.90	3.32	2.77	1.79	5.49	3.15	3.14	3.94	56.64	August.	September.
1843	1.74	3.41	6.05	1.2	2.17	2.10	4.24	1.07	2.47	4.17	3.76	2.10	35.70	August.	March.
1844	3.60	2.65	2.60	1.61	4.31	2.02	2.25	2.77	2.5	5.90	1.90	5.29	2.46	September.	October.
1845	2.75	3.70	2.75	.92	3.10	3.52	3.23	2.29	2.59	3.66	1.61	1.87	29.60	August.	February.
1846	1.12	1.65	1.35	.77	2.07	1.33	2.92	1.30	2.15	6.81	5.48	3.62	30.92	April.	October.
1848	2.40	1.00	2.13	1.06	4.34	2.36	2.75	1.80	4.59	2.87	1.66	3.85	29.74	February.	September.
1849	2.00	.47	1.27	1.04	2.23	.57	1.91	1.66	2.71	6.28	4.02	2.91	55.71	February.	October.
Mean.	2.27	2.06	2.26	1.40	2.77	2.38	2.75	2.12	2.79	3.94	3.07	3.09	30.78		
Total.	25.02	22.69	24.91	15.45	30.46	26.21	30.25	23.25	30.70	43.40	38.73	31.08	388.56		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1837	31	14	22	17	17	3	16	4	14	1	30	5	14	3	21	24	11	22	24	15	22	26	2	21
1838	4	31	8	14	22	1	26	16	21	12	10	8	4	22	6	14	22	3	2	31	3	24	5	24
1840	10	1	19	4	4	10	25	9	18	12	21	7	14	1	22	15	9	21	3	27	5	22	9	24
1841	7	18	27	11	20	5	24	10	28	15	29	3	24	16	19	23	3	30	29	8	1	28	14	22
1842	29	23	3	8	4	12	22	1	18	20	19	7	29	10	27	1	1	24	1	27	7	29	4	31
1843	7	1	5	2	28	24	26	2	14	31	29	2	1	6	26	22	3	27	6	27	17	14	25	13
1844	16	29	29	2	1	30	23	1	25	21	18	11	3	4	16	21	20	27	3	30	12	26	26	28
1845	28	19	25	2	30	15	23	8	12	29	8	6	13	2	22	30	3	21	4	16	1	28	17	12
1846	2	19	5	9	4	1	22	11	14	20	18	23	10	1	5	18	7	20	8	23	9	25	31	16
1848	1	10	20	12	31	15	21	7	29	11	18	1	21	17	15	19	1	22	16	23	4	10	8	22
1849	25	10	26	19	29	4	15	22	2	20	5	10	15	20	1	16	19	16	31	8	29	16	25	

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1837	46	-24	42	-20	47	-15	65	21	86	24	87	42	96	52	92	48	83	38	80	24	66	18	52	-6
1838	52	-5	49	0	60	0	56	15	85	32	93	46	99	52	87	42	81	32	70	22	55	10	39	4
1840	48	-18	55	7	54	-3	86	15	82	30	84	31	90	45	85	48	72	82	92	22	57	22	44	-3
1841	49	0	43	-6	57	0	73	2	90	24	90	40	95	40	89	44	92	40	70	25	72	8	48	-11
1842	55	-12	60	-1	66	16	87	21	90	29	90	31	90	42	91	43	86	33	70	28	55	14	50	10
1843	66	-2	46	1	48	-2	76	16	89	32	94	34	91	42	91	54	88	30	74	20	44	13	40	-2
1844	36	-14	46	-8	46	4	80	10	84	28	85	38	90	41	84	42	91	28	68	20	54	9	46	2
1845	44	-12	54	-10	72	14	73	20	88	18	92	42	89	45	88	45	80	32	72	26	61	11	36	-7
1846	42	-9	36	-6	54	-8	78	20	84	30	88	44	90	48	90	46	90	32	68	20	60	19	45	2
1848	48	-10	44	-5	68	0	74	20	86	30	91	35	88	49	90	46	80	32	68	28	45	16	58	8
1849	40	-10	46	-24	48	10	68	22	84	30	87	40	94	44	86	45	80	32	64	26	66	26	38	0
Highest.	66		60		72		87		90		94		99		92		92		92		72		58	
Lowest.		-24		-24		-15		2		18		31		40		42		28		20		8		-11
Range.		90		84		87		85		72		63		59		50		64		72		64		69

SUMMARY OF OBSERVATIONS AT MIDDLEBURY ACADEMY,

MIDDLEBURY, WYOMING COUNTY, N. Y., DURING EIGHTEEN YEARS.

Mean temp. of months and comparison of warm and cold days 19 years. All other observations 18 years, except Rain gage 17 years.

Latitude N. 42° 49'; Longitude W. 78° 10'. Elevation above tide 800 feet. In the valley of Allen's creek, a tributary of the Genesee river, estimated to be from 200 to 300 feet above the canal at Rochester.

OBSERVERS.

1826 to 1835, inclusive, SETH CUSHING, Jr., Teacher.
1839, (except Rain gage,) Not stated.
1840, A. A. HOWARD and R. H. PADDOCK, Teachers.
1841, Whole year, DANIEL C. HOUGHTON.
1842, DANIEL C. HOUGHTON and ALBERT B. CAPWELL, Teachers.

1843, A. B. CAPWELL, Principal.
1844, '5, JOEL WHITING, Principal.
1846, (Results of thermometer and comparative tables only given,) JOEL WHITING, late Principal.
1848, R. K. SANFORD and DAVID BURBANK.

JANUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	32,23	18,68	58—	9 67			1,5			3	13	13	1,5	4	27	3	4,5		1,90
1827	25,06	18,74	52—	4 56	3,5	3		1	1		12,5	4,5	5,5	9,5	21,5	1	2		1,60
1828	37,29	25,76	52—	4 48	2,5		3,5	1,5		1	14	4,5	4	6,5	24,5	1	3		1,30
1829	22,96	27,09	61—	2 63	7		2		,5	15	2,5	4		5,5	25,5		4		1,08
1830	29,64	16,59	60—	7 67	3		,5		,5		15,5	3,5	7	14	17	,5	5,5	,5	1,73
1831	24,02	18,11	54—	6 60	6,5		1,5				9	4	10	11	20	5	2		1,45
1832	28,25	23,39	54—	15 69	2		1,5				20,5	1,5	5,5	8,5	22,5	1,5	1,5		1,51
1833	34,31	28,11	65—	2 63	4		1			1,5	21	1,5	2	10,5	20,5	2	4	,5	1,64
1834	24,36	26,85	55—	8 63	3,5					1,5	16	3	7	12	19	1,5	1	,5	1,45
1835	19,71	33,94	51—	7 58	6,5		1,5		,5	,5	20	1	1	12,5	18,5	2	1		1,48
1839	33,29	19,33	56—	13 69	2				,5	1,5	20	1	5	20,5	10,5	,5	5,5		
1840	20,49	20,67	45—	10 55	1		,5		1		10,5	9	9	10,5	20,5		2,5	1	1,25
1841	24,37	25,68	46—	10 56			2	1		1	25,5		1,5	7	24	5,5	8,5		2,60
1842	21,12	27,83	54—	10 64			,5			13	13	4,5		16	15	4	6		1,42
1843	27,56	32,21	56—	0 56	1,5	1,5	1,5	1		2	12,5	8	4,5	15	16	3	6		1,25
1844	25,17	13,25	43—	4 47	3		1	1		3	5	13	5	9,5	21,5	1	13		,62
1845	28,82	25,95	54—	5 59			5,5	,5			6,5	15,5	3	6	25	2	9	1	1,55
1848	26,89	33,69	62—	4 66			2		3,5	8,5	6	7	4	15,5	15,5	4	5		,99
Mean.	26,97	24,21				2,61	1,61	,33	,42	2,86	13,50	5,47	4,20	10,78	20,22				1,46
Total.						47	29	6	7,5	51,5	243	98,5	75,5	194	364				24,82

FEBRUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	28,76	30,14	58	—18	76	1	,5	,5	1	5,5	10	6,5	3	8,5	19,5	1	3		1,03
1827	26,22	35,27	55	—25	53	,5	3,5			1	15,5	4,5	3	8	20	3	2		3,26
1828	37,02	34,33	61	10	51	3	1,5	,5			13,5	4,5	6	10,5	18,5	3,5	1	,5	2,12
1829	21,26	17,93	70	—47	4	2,5	2,5	1	1		6	4	11	9,5	18,5		4		1,48
1830	18,38	34,65	56	—15	7	3	2,5				11	3,5	8	13	15	,5	1		,38
1831	14,13	27,41	60	—14	74	5,5			1		16	3	2,5	15,5	12,5	,5	1,5		1,08
1832	28,68	25,30	52	—25	4	1,5	9,5		3	1,5	7	1,5	5	7	22	,5	4	2	4,63
1833	24,46	26,35	54	3	51	2	4				16,5	1,5	4	13,5	14,5		3,5		1,72
1834	35,09	41,63	70	3	67	2	1		1	1	18,5	1,5	3	15,5	12,5	1	1		,71
1835	13,55	24,59	52	—8	60	,5	2				16	6	3,5	14	14	1,5	3,5		1,58
1839	20,88	35,48	66	—9	75	1		,5	,5		23,5	1	1,5	20,5	7,5	2	1		
1840	27,18	35,84	54	0	54						12	12	5	5	24	2	2,5	1	3,25
1841	15,50	25,55	50	—6	56		2			1	16,5	6	2,5	11	17	,5	7		,12
1842	30,71	28,21	60	0	60	1	,5	2		,5	18,5	5,5		6,5	21,5	5	4		2,10
1843	14,97	15,82	38	—10	48	2,5	,5	1		2	6	11,5	4,5	8	20		13		3,60
1844	22,64	32,03	52	—12	64					3	15,5	4,5	6	19	10		9		,46
1845	18,09	37,11	70	—2	72		1	1	,5		10	14,5	1	8,5	19,5	2	4		2,45
1848	24,32	29,36	51	6	45	3	2			4	6	6	8	18,5	10,5	2	5	1	,20
Mean.	23,44	29,83				1,61	1,83	,36	,44	1,08	13,22	5,42	4,31	11,78	16,49				1,77
Total.						29	33	6,5	8	19,5	38	77,5	77,5	212	297				30,17
MARCH.																			
1826	39,86	32,97	64	10	54	1	2,5	1,5	,5	1	11,5	8	5	10,5	20,5	3,5	,5		3,16
1827	32,02	39,60	70	15	55	3	1	,5	,5	2	9	10	5	14,5	16,5	1	1		2,86
1828	33,57	45,93	81	10	71	4,5	5,5	2,5		3,5	5	8,5	1,5	16,5	14,5	2	1,5		1,62
1829	31,15	28,57	70	—2	72	1	1		1		18,5	2	7,5	9,5	21,5		2		1,02
1830	31,90	40,13	63	6	57	3	2		1,5		16,5	3	5	12,5	18,5	1,5	2	1	3,08
1831	37,76	39,94	67	8	59	3			,5		17	2,5	8	9,5	21,5	2	,5		1,44
1832	32,70	36,72	72	—4	76	4	,5				18,5	4	4	16	15	2	2	,5	1,73
1833	24,86	42,86	74	—3	77	3,5	,5	,5		,5	14	6	6	18	13	,5	1		,50
1834	38,52	35,32	64	8	56	6	2		,5		17	2	3,5	16	15	2,5	3		2,86
1835	29,17	35,58	60	—7	67	5,5	3,5				18	,5	3,5	18,5	12,5	1	1,5	1	2,25
1839	29,42	36,76	62	2	60	2	1			3	17	5	3	21,5	9,5	3,5	2		
1840	33,21	33,50	60	8	52	,5	,5	,5			10	15,5	4	17	14	2	2,5	1	2,38
1841	22,65	33,37	65	—17	82	2	5	,5		1	17,5	3	2	14	17	2,5	6,5	1,5	4,25
1842	35,93	39,47	65	4	61				,5		28,5	1	1	10,5	20,5	7	5		3,25
1843	18,66	23,82	54	0	54	2,5		,5	,5	2,5	9	8	8	15	16	1	8		1,94
1844	36,82	29,14	62	6	56		3,5			2,5	16,5	1	7,5	15	16	6	6	2	2,92
1845	36,18	36,67	74	16	58		,5	,5	2,5		7	18	2,5	9,5	21,5		10	1	2,90
1848	25,14	41,30	84	4	80	1	4	1	,5	6,5	8,5	7,5	2	13	18	4	7		,83
Mean.	31,64	36,20				2,36	1,83	,44	,47	1,25	14,39	5,87	4,39	14,28	16,72				2,29
Total.						42,5	33	8	8,5	22,5	259	105,5	79	257	301				38,99

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	36,08	43,34	85	4	81	2,5	2		,5	1	17	2,5	4,5	16,5	13,5	2	1		1,77
1827	52,46	43,22	74	21	53	3	1			1	17,5	2,5	2	13,5	16,5	4			3,84
1828	36,64	45,67	70	20	50	6,5	6,5	1,5	1		5,5	3,5	5,5	8,5	21,5	2,5	,5		1,97
1829	43,15	48,47	78	28	50	,5			1,5	,5	19	4,5	4	15,5	14,5	3		1	2,63
1830	46,13	55,46	85	21	64	1	9		,5		14,5	2	3	19	11	2		,5	2,43
1831	43,37	49,27	78	16	62	4	1		,5		15	4	5,5	12,5	17,5	3,5	1,5		3,66
1832	41,55	45,38	83	10	73	8,5	5				11,5	2	3	16	14	4,5		,5	2,10
1833	48,57	55,08	88	19	69	7	1,5			2	17	1,5	1	24	6	2			2,12
1834	52,39	47,37	80	19	61	3,5	6,5	2	,5	,5	12	2	3	15,5	14,5	4,5	1	1	2,45
1835	46,44	39,66	78	17	61	2,5	4		,5	2,5	14	3,5	3	14	16	2,5	3	2,5	3,75
1839	50,77	50,34	79	26	53	5,5	2			1	18	1	2,5	21,5	8,5	3,5	1		
1840	40,44	50,85	85	26	59	1	,5		1,5	2	8,5	12,5	4	5,5	24,5	6,5	1		1,41
1841	32,71	17,62	75	16	59	1	1		1		11,5	15,5		16	14	5,5	2,5		3,40
1842	41,45	47,64	84	16	68	3	4			4,5	6	10,5	2	13	17	9	1	1	1,85
1843	41,26	50,48	74	20	54	,5	5	1	2	2,5	14	3,5	1,5	17,5	12,5	6	2	1	3,78
1844	54,88	53,44	80	10	70		5	1			17,5	5,5	1	20	10	9			1,78
1845	36,88	57,18	80	18	62		3				2	19,5	5,5	8,5	21,5	8	3	1	2,48
1848	44,18	46,33	76	26	50	4	2		2	2,5	5,5	5,5	8,5	21,5	8,5	4	2		,35
Mean.	43,85	47,04				3,00	3,44	,36	,58	1,11	12,56	5,64	3,31	15,47	14,53				2,46
Total.						54	62	6,5	10,5	20	226	101,5	59,5	278,5	261,5				41,77
MAY.																			
1826	59,03	63,21	96	27	69	1,5	1,5	1	1		16	4	6	25,5	5,5	1			,33
1827	47,51	57,71	90	26	64	5,5	1,5	,5	1	3	11	2,5	6	19	12	1	1		1,48
1828	57,86	56,11	84	28	56	5,5	,5	,5	1,5	2	13,5	4	3,5	12,5	18,5	7			6,17
1829	51,04	67,44	94	29	65	3	4	1			10	2,5	10	21	10	4			3,50
1830	55,15	50,58	81	29	52	5	3,5				15,5	3	4	18,5	12,5	5,5			4,46
1831	52,50	60,43	90	25	65	5,5	2				15	3,5	5	14	17	4	,5		2,50
1832	56,07	53,24	89	30	59	8,5	2			2	9	6	3,5	19	12	5			4,37
1833	61,04	61,99	88	36	52	5,5	4,5	,5	2	2,5	13	2	1	19,5	11,5	7			6,58
1834	46,52	65,00	90	20	70	2,5	1	1	,5	2	18,5	1,5	4	20,5	10,5	1,5	1		1,41
1835	50,11	61,97	85	27	58	4	3,5	,5			15	4,5	3,5	22,5	8,5	2			1,74
1839	53,24	58,41	90	34	56	,5			,5	4	24,5	,5	1	20,5	10,5	4			
1840	49,83	64,44	90	32	58	4	5	,5	1,5	2,5	9,5	7	1	21	10	5			1,80
1841	42,90	58,78	80	17	63		1,5	,5	6		9	14		17,5	13,5	,5			2,30
1842	46,14	54,44	82	26	56		1				17	12,5	5	15,5	15,5	8			1,55
1843	54,93	51,39	85	28	57	1,5	2,5			2,5	12,5	4,5	7,5	21,5	9,5	7	1	1	1,74
1844	58,36	59,98	84	33	51		2				22	6,5	,5	11	20	16	1		4,27
1845	56,19	50,30	86	24	62	2	2		,5	,5	4,5	9,5	12	15,5	15,5	10			2,10
1848	58,31	60,03	89	33	56	2	,5		,5	6,5	5,5	5	11	16,5	14,5	10			4,35
Mean	53,15	58,64				3,14	2,14	,32	,83	1,56	13,39	5,17	4,45	18,39	12,61				2,92
Total.						56,5	38,5	6	15	28	241	93	80	331	227				50,65

JUNE.																				
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1826	66,54	68,37	97	37	60	2	1	,5	1,5	3	18	1,5	2,5	15,5	14,5	2			4,22	
1827	63,85	62,02	95	30	65	3	1	1	3	,5	17	3,5	1	20,5	9,5	2			2,94	
1828	63,78	73,16	94	42	52	,5	3,5	,5			18	2,5	2,5	17,5	12,5	3,5			3,05	
1829	67,66	61,54	92	40	52	2,5	1			1	14	5,5	6	16	14	5			3,18	
1830	61,39	60,71	87	41	46	2,5	1,5				20,5	3	2,5	10,5	19,5	11,5			8,63	
1831	71,22	66,56	93	36	57	3,5	1,5		,5		22	2	,5	18,5	11,5	6,5			4,39	
1832	64,45	66,77	93	40	53	3,5	5				13,5	7,5	,5	22,5	7,5	3			1,11	
1833	59,19	63,32	92	34	58	6				2,5	20		1,5	19,5	10,5	4			2,46	
1834	60,88	65,04	92	34	58	,5	,5		1	1	17,5	6	3,5	21	9	5,5			4,45	
1835	67,32	61,71	92	40	52	4,5	2,5				19,5	1,5	2	20,5	9,5	5,5			5,78	
1839	57,75	60,92	82	43	39	1,5	1		,5	1,5	22,5	1	2	18,5	11,5	8				
1840	61,06	64,26	92	38	54	1,5	2,5	,5	1,5	1	17,5	2	3,5	20,5	9,5	6,5			4,19	
1841	67,24	65,55	89	41	48	1,5	3,5			8	4,5	11,5	1	19,5	10,5	4			1,85	
1842	54,92	65,02	85	25	60	1					5,5	22,5	1	19,5	10,5	12	1		2,74	
1843	55,71	67,48	89	28	61	1		1	,5	1	17,5	7,5	1,5	17,5	12,5	16	1		3,29	
1844	60,66	65,54	90	42	48					1	23	5	1	15,5	14,5	9			2,75	
1845	63,99	62,45	84	42	42					1	7	15	7	9,5	20,5	13			1,79	
1848	62,59	70,30	90	44	46	1,5	,5	1		9	7,5	5	5,5	17	13	6			1,07	
Mean.	62,79	65,04				2,18	1,39	,25	,47	1,69	15,83	5,69	2,50	17,75	12,25				3,40	
Total.						39	25	4,5	8,5	30,5	285	102,5	45	319,5	220,5				57,89	
JULY.																				
1826	69,12	67,36	100	40	60	1	1		1	2	18	3,5	4,5	26	5	1,5			3,13	
1827	71,16	64,93	97	40	57		,5	,5		1	25,5	2,5	1	23,5	7,5	3			2,17	
1828	63,16	70,70	90	47	43			,5	,5	1	19,5	5,5	4	18	13	3,5			4,52	
1829	64,31	67,11	87	41	46	1,5	,5	1	1	1,5	20	2	3,5	19,5	11,5	6			3,74	
1830	64,52	75,94	94	45	49	,5	2	,5			21,5	5,5	1	21	10	4,5			3,89	
1831	68,28	71,46	92	42	50	3,5	2,5				24,5		,5	19	12	5			5,00	
1832	71,20	68,62	96	46	50	2					21	4,5	3,5	20,5	10,5	3,5			1,85	
1833	68,61	69,29	96	46	50	1,5					20	8	1,5	21,5	9,5	7			3,83	
1834	72,52	72,12	98	43	55	2			,5		22,5	3	3	24,5	6,5	3,5			3,69	
1835	67,08	70,07	93	50	43	2	1,5				20,5	4,5	2,5	20,5	10,5	5			2,00	
1839	66,78	71,68	90	50	40						31			25,5	5,5	4,5				
1840	67,95	69,97	94	42	52	2		1		1	15	8,5	3,5	22	9	6			4,70	
1841	62,45	64,97	94	41	53	5				,5	6,5	16	3	23,5	7,5	5			2,30	
1842	71,05	71,95	92	46	46	6,5				2,5	3,5	4,5	14	20	11	6			,51	
1843	68,86	70,85	94	42	52	3	1	,5			9,5	13	4	22,5	8,5	6			1,64	
1844	68,30	69,04	87	40	47		6			10	8,5	5	1,5	13,5	17,5	11			5,58	
1845	70,00	69,54	91	46	45		,5	,5		1,5	16,5	10	2	25,5	5,5	7			2,47	
1848	68,57	69,78	90	54	36		1		5	,5	15	6	3,5	14,5	16,5	13			5,13	
Mean.	67,80	69,74				1,69	,92	,25	,45	1,19	17,69	5,67	3,14	21,16	9,84				3,3	
Total.						30,5	16,5	4,5	8	21,5	318,5	102	56,5	381	177				56,15	

AUGUST.																				
YEARS.	THERMOMETER.						WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.	
	First Half.	Second Half.																		
1826	63,77	65,31	99	35	64	7	1		1		11	7	4	25,5	5,5	,5			1,78	
1827	66,63	63,33	94	37	57	1,5			1		15	5,5	8	18,5	12,5	2			2,95	
1828	68,02	71,06	93	47	46	,5	2,5	1	,5		16	5	5,5	24	7	3,5			6,69	
1829	67,01	65,51	92	36	56	2,5	2				19,5	3,5	3,5	24	7	3			1,28	
1830	66,38	64,22	92	38	54	1	2			1	19,5	5	2,5	21	10	5			2,28	
1831	67,65	68,59	94	39	55	7	1,5				18	2	2,5	19,5	11,5	4,5			2,85	
1832	71,91	65,03	93	38	55	3,5	1			1,5	17,5	4,5	3	24	7	3			3,80	
1833	68,94	65,44	93	38	55	3,5	,5				20	5	2	24,5	6,5	4,5			2,94	
1834	74,04	64,13	95	38	57	2					22,5	3,5	3	24	7	4			1,92	
1835	65,64	62,97	89	35	54	4	1				20	4	2	23	8	5,5			4,49	
1839	63,21	64,17	87	40	47	2,5	4,5		,5	,5	21	,5	1,5	25	6	3				
1840	66,67	69,98	91	52	39	,5				9	16	4,5	1	16	15	10			4,47	
1841	65,42	64,85	92	32	60	2,5				6	7,5	12	3	24,5	6,5	3			,57	
1842	65,69	68,29	88	44	44	,5	4,5		1,5	1,5	5	5,5	12,5	18	13	8			1,87	
1843	68,46	68,85	90	40	50	3	1,5			1	11,5	10,5	3,5	20,5	10,5	8			2,17	
1844	66,29	69,50	86	50	36		1			13	7,5	6,5	3	10,5	20,5	15			4,65	
1845	72,80	71,70	91	50	41			,5	2	1,5	20	6,5	,5	25	6	6			,56	
1848	72,43	69,85	92	55	37	,5	5,5		3		17		5	18,5	12,5	9			2,50	
Mean.	67,83	66,82				2,33	1,58	,08	,53	1,94	15,81	5,06	3,67	21,44	9,56				2,81	
Total.						42	28,5	1,5	9,5	35	284,5	91	66	386	172				47,77	
SEPTEMBER.																				
1826	65,54	55,64	90	31	59	4	2			1	12	4	7	15	15	1,5			1,12	
1827	64,88	51,35	89	26	63	4	5		1		13	2	5	17	13	3			1,24	
1828	60,00	58,74	81	35	46	6,5	,5	,5		,5	16,5	2	3,5	13	17	3			2,12	
1829	55,71	54,53	90	27	63	2	1				19,5		7,5	14	16	5			3,71	
1830	62,09	54,67	85	31	54	1,5	1				17	6	4,5	14,5	15,5	5			3,29	
1831	63,48	55,76	84	33	51	4,5	,5				15	2,5	7,5	10,5	19,5	2,5			1,83	
1832	58,39	63,06	89	32	57	1,5					21	5	2,5	19	11	3,5			3,24	
1833	59,96	64,05	87	34	53	1,5					25,5	1,5	1,5	23	7	1			2,94	
1834	64,16	59,34	90	23	67	2					24	1,5	2,5	23	7	5,5			2,54	
1835	58,42	51,59	85	30	55	1,5			1		21	2	4,5	20,5	9,5	4			2,15	
1839	58,80	54,77	82	28	54	,5	,5			1	28			19,5	10,5	5,5	,5			
1840	57,68	53,26	77	28	49	1	1,5	3			15,5	6	3	18,5	11,5	7	1,5		2,94	
1841	62,30	56,58	90	35	55	2		1	,5	4	2,5	18,5	1,5	21	9	5,5			4,40	
1842	63,70	52,92	86	32	54		6,5			,5	7,5	3,5	12	17	13	12			4,93	
1843	62,35	62,71	88	30	58	4	3	1	1,5	,5	8,5	10	1,5	20	10	6			4,81	
1844	72,37	54,18	84	24	60						11	16	3	23	7	2			,64	
1845	58,39	52,80	88	31	57				1	9	17,5	2	,5	20	10	12			3,61	
1848	58,60	49,14	84	30	54	,5	1		1,5	5	5,5	7	9,5	15	15	10			2,64	
Mean.	61,48	55,84				2,06	1,25	,30	,36	1,19	15,82	4,75	4,27	17,97	12,03				2,83	
Total.						37	22,5	5,5	6,5	21,5	280,5	89,5	77	323,5	216,5				48,15	

OBSERVATIONS AT MIDDLEBURY ACADEMY.

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	56,79	46,63	88	19	69	,5	,5	2,5	1	3	11,5	6,5	5,5	17,5	13,5	2,5			2,58
1827	52,57	43,13	76	24	52	,5	,5	,5		2	18,5	2	7	11	20	6	1		4,38
1828	51,95	46,83	77	19	58	,5	,5		1		17,5	4,5	7	18	13	3,5			2,31
1829	52,26	49,48	80	19	61	2	2,5		1		17	2,5	6	18	13	3			2,22
1830	54,37	49,83	78	26	52	1	1				20,5	5	3,5	20,5	10,5	2,5			1,55
1831	51,31	53,32	78	26	52	4	2				18	5	2	16	14	3,5		,5	3,89
1832	52,79	51,00	76	20	56	5,5	1,5			,5	16	3	4,5	15,5	15,5	3,5			1,54
1833	53,61	44,98	78	23	55	5,5	1	,5	1,5	1,5	16,5	1,5	3	11	20	5	1		3,01
1834	53,07	45,11	78	20	58	4,5	,5	,5			18,5	3,5	3,5	19,5	11,5	5,5			3,32
1835	49,45	56,92	80	29	51	2,5					26,5	,5	1,5	18,5	12,5	7,5			6,69
1839	54,28	53,82	80	23	57	5,5	3		1		21	,5		22	9	4			
1840	50,79	40,33	80	25	55	1	2	,5	1,5	1,5	20	3,5	1	16	15	7	1,5		2,34
1841	40,86	36,01	60	14	46	1		1	,5	6,5	6	13,5	2,5	18	13	2,5	,5		1,85
1842	50,40	43,87	73	29	44	2	,5			2	11	3,5	12	18	13	9			2,36
1843	47,99	38,12	75	22	53				,5	,5	20	7,5	2,5	10	21	12	2	6	3,99
1844	49,84	46,37	72	26	46						19	10	2	13,5	17,5	8			4,45
1845	36,50	34,36	54	16	38				3,5	,5	24	2,5	,5	23,5	8,5	6			2,10
1848	51,24	49,47	72	27	45	,5	2			9	3	10	6,5	17	14	8			1,51
Mean.	50,56	46,09				2,03	,97	,31	,64	1,50	16,92	4,72	3,91	16,86	14,14				2,88
Total.						36,5	17,5	5,5	11,5	27	304,5	85	70,5	303,5	254,5				50,09
NOVEMBER.																			
1826	40,15	35,55	62	18	44		,5	,5	2,5	3,5	8	7,5	7,5	8,5	21,5	1	2		2,50
1827	39,06	29,09	55	12	43	9,5					9,5	5,5	5,5	8,5	21,5	2			,70
1828	45,15	44,59	78	21	57	1,5	2,5		3		16,5	3	3,5	7	23	2	1		4,81
1829	36,64	34,15	54	7	47	1,5	1	,5	,5		21	3	2,5	5	25	4	3		3,11
1830	49,43	42,07	68	29	39	4,5	1	2,5		,5	15,5	2	4	8,5	21,5	4,5		1,5	4,65
1831	39,99	31,36	72	16	56	4,5					12,5	3	10	6,5	23,5	2,5	2	1	1,18
1832	39,37	39,96	69	14	55	3	2,5				22,5	,5	1,5	10	20	6	1,5		4,24
1833	45,10	33,68	68	14	54	4	2,5		1,5	,5	17	2,5	2	13,5	16,5	2	1,5	1	1,77
1834	43,57	35,25	72	14	58	3	4	1	1	,5	12	1,5	7	14	16	3	1,5	1	1,84
1835	47,13	33,93	78	9	69	4	2	1,5			18	1,5	3	12,5	17,5	2	2,5	,5	1,85
1839	39,61	33,31	49	18	31			1		3,5	16	8	1,5	7,5	22,5	1			
1840	46,54	30,22	65	22	43	2	3				24,5	,5		10,5	19,5	6	5		1,66
1841	37,18	26,91	70	10	60	,5	1			4,5	10	12,5	1,5	3,5	26,5	2,5	2,5	1	3,55
1842	39,47	24,81	61	8	53	1	4	1	,5	1	17	3,5	2	12	18	5	9	1	3,15
1843	27,86	34,39	54	10	44						23	4,5	2,5	11	19	4	10	2	2,46
1844	40,33	30,67	60	18	42	1					15	14		12,5	17,5	5			1,67
1845	35,32	30,92	59	9	50			,5	3	2	16	7,5	1	17	13	4	3		2,89
1848	33,81	34,51	50	13	37			2	2	1	6,5	16,5	2	9	21	3	3		1,40
Mean.	40,31	33,63				2,17	1,39	,58	,78	,94	15,58	5,39	3,17	9,83	20,17				2,56
Total.						39	25	10,5	14	17	280,5	97	57	177	263				43,43

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	35,82	23,23	68	—17	85	1	1,5	1,5	1	1,5	10,5	8,5	5,5	8	23		1		,44
1827	33,33	26,36	54	—3	57	7	2				14,5	3	4,5	3,5	27,5	2	2	2	2,80
1828	41,36	31,14	63	—9	54	2		,5	1,5		22,5	1,5	3	16	15	,5	5		1,74
1829	37,92	37,22	65	—1	64	2	3	,5	,5	,5	21,5	1	2	10	21	3	1		2,85
1830	34,76	30,04	56	—1	55	6,5					19,5		5	6,5	24,5	1,5	1,5	1,5	2,13
1831	18,05	17,85	35	—2	33	4	2				12	7,5	5,5	6	25		3,5		,56
1832	37,41	31,11	52	—5	57	3,5	1,5				17,5	5	3,5	7,5	23,5	1	2	,5	,65
1833	33,63	33,46	50	—1	39	4,5	3,5			1	17	1	4	5,5	25,5	1	2,5		1,16
1834	31,23	24,33	54	—5	54	5	6				14,5	2	3,5	7,5	23,5	1,5	2		,80
1835	22,82	29,26	52	—8	60	5	1		,5	1	12	2,5	9	11	20	1	2,5		,39
1839	36,96	25,08	49	—6	43	1		3,5	2	,5	12	11,5	,5	12	19		5,5		
1840	26,78	20,35	55	—4	59	1	1	3			20,5	4	1,5	7,5	23,5	3	9		2,03
1841	33,08	18,79	46	—5	41		2			14	5	6	4	4	27	4	6,5		4,30
1842	26,17	23,30	48	—6	42	,5	1,5	1,5		1	14	8,5	4	11,5	19,5	2	10	2	2,26
1843	27,06	33,04	46	—6	40						23	7	1	10,5	20,5	7	6		2,24
1844	30,77	28,54	75	—7	75	,5	1	1	2,5	2	4,5	17	2,5	9,5	21,5	4			1,11
1845	21,89	22,44	39	—3	42	,5		1	2	2	8,5	14,5	4,5	9	22		9		,29
1848	36,74	335,9	60	—13	47	1	6	1	1	5	5,5	9	2,5	9	22	2	5		4,73
Mean.	31,43	27,17				2,50	1,89	,75	,50	1,58	14,14	6,08	3,56	8,58	12,42				1,79
Total						45	32	13,5	9	28,5	254,5	109,5	66	154,5	403,5				30,48

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.	
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.		
	First Half.	Seco'd Half.																				Rain gage.		Monthly mean.
January, --	26.97	24.21	65	-15	80	2.61	1.61	.33	.42	2.56	13.50	5.47	4.20	S 59° 40' W	62	18.79	10.78	20.22				1.46	24.82	
February, --	23.44	29.83	70	-20	90	1.61	1.83	.36	.44	1.08	13.22	5.42	4.31	73 11 W	55	16.57	11.78	16.49				1.77	30.17	
March, ---	31.64	36.20	84	-17	101	2.36	1.83	.44	.47	1.25	14.39	5.67	4.39	73 23 W	59	17.76	14.28	16.72				2.29	38.59	
April, ----	43.85	47.04	88	-4	84	3.00	3.44	.36	.58	1.11	12.56	5.64	3.81	76 23 W	47	14.94	15.47	14.53				2.46	41.77	
May, ----	53.15	58.64	96	-17	79	8.14	2.14	.32	.83	1.56	13.39	5.71	4.45	76 05 W	53	15.83	13.39	12.61				2.92	50.65	
June, ----	62.79	65.04	97	-25	72	2.18	1.39	.25	.47	1.69	15.88	5.69	2.50	61 31 W	65	17.75	12.25	12.25				3.40	57.89	
July, ----	76.80	69.74	100	-40	60	1.69	.92	.25	.45	1.19	17.69	5.67	3.14	63 47 W	71	21.32	21.16	9.84				3.59	56.15	
August, ---	67.88	66.32	99	-32	67	2.53	1.68	.08	.53	1.94	15.81	5.96	3.67	71 49 W	60	18.18	21.44	9.56				2.81	47.77	
September, --	61.43	55.84	90	-23	67	2.06	1.25	.30	.66	1.19	15.82	4.75	4.27	69 09 W	62	18.74	17.97	12.03				2.83	48.15	
October, --	50.56	46.09	88	-14	74	2.08	.97	.81	.64	1.50	16.92	4.72	3.91	64 53 W	66	19.83	16.86	14.14				2.88	50.99	
November, --	40.51	33.63	78	-7	71	2.17	1.39	.58	.78	.94	15.53	5.39	3.17	66 44 W	60	17.96	9.83	20.17				2.56	48.44	
December, --	31.43	27.17	75	-17	92	2.50	1.89	.75	.50	1.58	14.14	6.08	3.56	S 70 55 W	57	17.10	8.58	12.42				1.79	30.48	
Mean. ----	47.60	46.69				2.31	1.63	.36	.54	1.49	14.90	5.41	3.74	S 79° 17' W	56	16.96	15.35	14.69				2.75	43.85	

Highest degree, July 11, 1826, - - - - - 100°
 Lowest degree, February 24, 1832, - - - - - 20
 Extreme range in 18 years, - - - - - 120
 Greatest monthly range in March.
 Least monthly range in July.

Mean monthly range, 78°.
 Driest month, January.
 Wettest month, June.
 Total fall of rain and snow in 17 years, 43 feet 4,26 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. rain.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1826	25.45	29.45	36.41	39.71	61.12	67.45	68.24	64.54	60.59	51.71	38.55	29.52	16.8	100	-18	118	81	February 1,	July 11,		October 24.
1827	21.90	30.74	35.81	47.84	52.61	62.93	68.04	64.98	58.12	47.85	34.07	29.84	16.23	97	-14	101	65	January 21,	July 14,		
1828	31.52	35.67	39.75	41.16	56.95	65.48	66.98	69.54	59.31	49.39	44.87	36.25	49.62	94	-14	90	71	January 21,	June 27,	October 4,	October 19.
1829	25.07	19.59	29.86	46.51	59.24	64.80	65.71	66.26	55.12	50.87	35.39	34.57	46.35	94	-14	98	74	February 5,	May 24,	September 11,	November 12.
1830	23.16	26.51	36.01	50.79	52.86	61.06	70.23	65.30	58.38	52.10	45.75	32.40	47.85	94	-14	101	67	January 30,	July 21,	September 18,	November 29.
1831	21.06	20.77	35.85	46.32	56.46	65.84	69.87	68.12	59.62	52.31	35.67	17.95	46.25	94	-14	105	74	February 5,	August 19,	September 30,	November 19.
1832	25.82	24.78	34.71	43.46	54.05	65.61	69.91	68.47	61.72	51.89	39.65	34.81	47.85	96	-20	116	77	January 26,	June 15,	October 15,	November 14.
1833	31.21	25.40	33.86	51.82	61.51	61.25	68.95	67.19	62.00	49.29	39.39	37.54	48.72	96	-13	99	77	March 2,	July 21,	September 14,	October 29.
1834	25.60	35.36	36.92	49.88	56.76	62.96	72.82	69.09	61.75	49.09	39.41	27.78	49.05	93	-18	106	70	December 14,	July 25,	September 30,	November 18.
1835	26.82	19.07	32.37	43.05	56.04	64.51	68.57	64.3	54.50	54.18	40.53	26.04	45.75	93	-18	101	69	December 16,	August 13,	September 15,	September 30.
1839	26.81	25.18	33.09	50.55	55.82	59.34	69.23	63.69	56.78	54.05	36.46	1.02	47.04	90	-13	102	75	January 24,	July 27,	August 28,	September 27.
1840	20.53	31.51	33.34	45.64	57.13	62.66	68.96	68.37	55.47	45.56	38.38	20.35	45.66	94	-10	104	59	January 16,	August 22,	September 22,	October 26.
1841	25.02	20.52	25.01	25.16	50.84	66.89	63.71	65.18	64.44	38.43	32.05	25.93	42.13	94	-17	111	82	January 3,	July 24,	October 2,	October 24.
1842	24.47	29.46	37.69	44.54	50.29	59.97	71.50	56.99	58.31	47.13	32.14	24.78	15.60	92	-10	102	68	January 23,	July 23,	September 23,	November 9.
1843	29.98	15.39	21.24	45.87	53.16	61.59	69.85	65.63	62.53	43.05	31.12	30.05	44.37	94	-10	104	61	February 17,	July 1,	September 11,	October 27.
1844	19.21	27.33	35.03	54.16	59.17	63.10	68.67	67.89	64.27	45.10	35.50	29.65	47.17	90	-12	102	64	January 25,	June 25,	September 23,	
1845	27.38	27.60	36.42	47.03	53.24	63.22	69.72	72.25	65.60	35.43	33.12	22.16	45.26	91	-15	96	72	December 11,	July 14,	September 21,	November 28.
1846	38.27	22.20	34.69	47.12	59.89	63.40	67.67	69.37	64.28	45.08	41.08	29.90	48.80	94	-12	106	78	March 1,	July 11,	October 11,	October 17.
1848	30.29	26.84	33.22	45.25	59.17	66.44	65.17	71.14	53.87	50.50	34.16	35.16	47.85	92	-4	96	80	January 10,	August 14,	September 12,	November 5.
Mean.	26.27	26.29	33.96	45.55	56.10	63.89	65.75	66.91	59.14	48.00	37.21	29.17	46.77								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1826	21,5	14	8	10	23,5	159	72,5	56,5	S 71 54' W	58	210,47	191	174	18,5	10	
1827	41	22	4	6,5	11,5	178,5	48	53,5	S 75 38 W	53	194,32	167	198	30	9	2
1828	36	27	9	9	7,5	179	49	49,5	S 73 59 W	50	183,53	169	197	36	7	
1829	28	20,5	4	7	19	188,5	34,5	63,5	S 68 40 W	54	196,79	167,5	197,5	36	14	1
1830	32,5	27	3	2,5	1,5	207	41,5	50	S 72 53 W	58	209,18	180	185	44,5	10	5
1831	54,5	13,5	,5	2		196	36,5	62	S 81 08 W	58	210,25	158,5	206,5	35	13	1,5
1832	54	22			4	201,5	45,5	39	S 76 05 W	56	206,36	181,5	184,5	38	8,5	3
1833	48,5	19	1,5	5	12	216,5	33	29,5	S 49 54 W	66	241,18	204	161	36	13,5	2,5
1834	37	31,5	4,5	5	6,5	213	31	46,5	S 68 23 W	56	206,01	213	152	39,5	10,5	1,5
1835	42,5	21,5	2,5	2	4	220,5	31	40	S 76 16 W	55	198,30	208	157	39,5	16	4
1839	23	12	5	5,5	16,5	254,5	30	18,5	S 52 57 W	71	258,39	234,5	130,5	43	15,5	
1840	15,5	16,5	9	7	17	179,5	85	36,5	S 65 38 W	64	233,16	170	196	61	25,5	3
1841	15,5	18	4	8	46,5	122	128,5	22,5	S 62 31 W	73	267,80	179,5	185,5	44	34,5	2,5
1842	15,5	23	4,5	2,5	26,5	146,5	85,5	61	S 74 41 W	59	216,64	177,5	187,5	87	34	4
1843	19,5	15	6	5	14,5	167	95,5	42,5	S 71 04 W	64	236,60	189	176	76	49	10
1844	3,5	20,5	3	2,5	34,5	165	104	33	S 63 33 W	69	251,38	172,5	193,5	86	29	2
1845	2,5	12,5	4,5	13	18	139,5	135	40	S 65 57 W	83	303,81	177,5	187,5	70	38	3
1848	14	26,5	5	19	57,5	91,5	84,5	68	S 71 06 W	44	169,20	185	181	75	27	1
Mean.	28,03	19,61	4,33	6,19	17,81	179,17	65,03	45,11	S 69° 29' W	59	215,06	184,72	180,55			
Total.	504,5	353	78	111,5	320,5	3225	1170,5	312				3325	3250			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1826	1.90	1.08	3.16	1.77	.33	4.32	3.13	1.75	1.12	2.53	2.59	.44	23.56	May.	June.
1827	1.60	3.26	2.85	3.84	1.48	2.94	2.17	2.95	1.24	4.38	.70	2.80	30.02	November.	October.
1828	1.30	2.12	1.62	1.97	6.17	3.05	4.52	6.69	2.12	2.31	4.81	1.74	38.42	January.	August.
1829	1.08	1.43	1.62	2.63	3.50	3.18	3.74	1.28	3.71	2.22	3.11	2.85	29.80	March.	July.
1830	1.73	0.39	3.03	2.43	4.46	8.63	3.89	2.25	3.29	1.65	4.65	2.13	38.50	February.	June.
1831	1.45	1.03	1.44	3.66	2.50	4.39	5.00	2.85	1.83	3.89	1.18	.56	29.83	December.	July.
1832	1.51	4.63	1.73	2.10	4.37	1.11	1.85	8.80	3.24	1.64	4.24	.65	28.58	December.	May.
1833	1.64	1.72	2.50	2.12	6.58	2.46	3.38	2.94	2.94	3.01	1.77	1.16	30.67	March.	May.
1834	1.45	.71	2.86	2.45	1.41	4.45	3.69	1.92	2.54	3.32	1.84	.80	27.44	February.	June.
1835	1.48	1.58	2.38	3.75	1.74	5.78	2.00	4.49	2.15	6.69	1.85	.89	31.15	December.	October.
1840	1.25	3.25	2.25	1.41	1.80	4.19	4.70	4.47	2.94	2.84	1.66	2.08	32.42	January.	July.
1841	2.60	.12	4.25	3.40	2.30	1.85	2.30	1.57	4.40	1.85	3.55	4.30	31.49	February.	September.
1842	1.42	2.10	3.25	1.85	1.55	2.74	.51	1.87	4.93	2.36	3.15	2.26	27.99	July.	September.
1843	1.25	3.60	1.94	3.73	1.74	3.29	1.64	2.17	4.81	3.99	2.46	2.24	32.91	January.	September.
1844	.62	.46	2.92	1.78	4.27	2.75	5.53	4.65	.64	4.45	1.67	1.11	30.90	February.	July.
1845	1.55	2.45	2.90	2.48	2.10	1.79	2.47	4.56	3.61	2.70	2.89	.29	25.19	December.	September.
1848	.99	.20	.83	.85	4.85	1.07	5.13	2.50	2.64	1.51	1.40	4.73	25.70	February.	July.
Mean.	1.46	1.77	2.26	2.46	2.92	3.40	3.30	2.81	2.83	2.83	2.56	1.79	30.47		
Total.	24.82	30.17	38.89	41.77	50.65	57.69	56.15	47.77	48.15	50.09	43.49	30.48	517.97		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1826	9	31	25	1	23	17	18	11	2	6	10	13	11	14	20	23	13	16	6	25	17	23	16	27
1827	27	20	27	11	26	3	3	18	27	6	13	1	2	22	1	23	6	27	2	26	3	26	6	22
1828	5	21	3	12	29	15	26	6	5	7	27	9	25	4	30	18	22	26	24	15	3	17	3	30
1829	6	10	7	23	29	18	28	5	24	12	13	26	22	12	8	26	1	27	25	21	18	12	6	16
1830	16	30	20	6	30	8	30	2	4	21	15	21	21	12	7	25	5	17	27	29	9	29	3	21
1831	4	23	28	5	23	20	16	10	31	9	10	24	5	10	19	3	10	29	2	28	24	18	10	29
1832	18	26	2	24	24	18	13	5	13	1	15	19	6	22	13	25	18	12	19	28	4	14	31	22
1833	4	11	17	24	20	2	29	13	18	3	30	9	21	16	21	29	4	13	16	30	8	4	24	14
1834	17	24	22	12	7	22	16	26	23	14	8	2	25	18	10	27	3	29	17	14	4	15	1	14
1835	30	7	21	8	26	3	10	17	25	8	10	20	24	9	13	4	5	30	18	31	4	29	25	16
1839	11	23	14	5	28	3	6	14	24	3	10	2	27	4	26	30	7	28	27	20	15	27	7	20
1840	20	16	20	3	3	10	25	7	18	6	12	1	16	3	22	25	8	21	2	26	3	16	10	24
1841	7	3	22	11	26	17	25	10	23	2	7	16	24	28	18	23	2	26	31	25	1	29	10	21
1842	29	23	3	8	3	11	22	28	18	4	30	11	23	31	31	1	1	23	1	27	1	29	4	23
1843	21	3	26	17	27	22	23	1	14	31	30	1	1	3	30	1	3	27	1	31	23	14	16	11
1844	16	25	19	3	11	21	23	1	24	21	25	11	12	4	16	26	1	28	9	28	10	27	6	18
1845	28	31	21	1	39	15	23	8	12	16	12	6	13	2	26	28	3	21	1	21	19	28	14	11
1846	30	22	4	26	24	1	30	2	26	11	29	21	11	15	5	10	5	27	8	22	2	25	8	12
1848	1	10	20	10	31	14	11	18	19	11	27	7	10	16	14	18	4	26	16	22	4	10	18	22

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1826	58	— 9	58	—18	64	10	85	4	96	27	97	37	100	40	99	35	90	31	88	19	62	18	68	—17
1827	52	— 4	55	2	70	15	74	21	90	26	95	30	97	40	94	37	89	26	76	24	55	12	54	— 3
1828	52	4	61	10	81	10	70	20	84	28	94	42	90	47	93	47	81	35	77	19	78	21	63	9
1829	51	— 2	70	— 4	70	— 2	78	28	94	29	92	40	87	41	92	36	90	27	80	19	54	7	65	1
1830	60	— 7	56	— 1	63	6	85	21	81	29	87	41	94	45	92	38	85	31	78	26	68	29	56	1
1831	54	— 6	60	—14	67	8	78	16	90	25	93	36	92	42	94	39	84	33	78	26	72	16	35	2
1832	54	—15	57	—20	72	— 4	83	10	89	30	93	40	95	46	93	38	89	32	76	20	69	14	52	— 5
1833	65	2	54	3	74	— 3	88	19	88	36	92	34	96	46	93	38	87	34	78	23	68	14	50	11
1834	55	— 8	70	3	64	8	80	19	90	20	92	34	98	43	95	38	90	23	78	20	72	14	54	0
1835	51	— 7	52	— 8	60	— 7	78	17	85	27	92	40	93	50	89	35	85	30	80	29	78	9	42	— 8
1839	56	—13	66	— 9	62	2	79	26	90	34	82	43	90	50	87	40	82	28	80	23	49	18	49	6
1840	45	—10	54	0	60	8	85	26	90	32	92	38	94	42	91	52	77	28	80	25	65	22	55	— 4
1841	46	—10	50	— 6	67	—17	75	16	80	17	89	41	94	41	92	32	90	35	60	14	70	10	46	5
1842	54	—10	60	0	65	4	84	16	82	26	85	25	92	46	88	44	86	32	73	29	61	8	48	6
1843	56	0	38	—10	54	0	74	20	85	28	89	28	94	42	90	40	88	30	75	22	54	10	46	6
1844	43	— 4	52	—12	62	6	80	10	84	33	90	42	87	40	86	50	84	24	72	26	60	18	75	0
1845	54	— 5	70	— 2	74	16	80	18	86	24	84	42	91	46	91	50	88	31	54	16	59	9	39	— 3
1846	44	— 4	42	— 4	66	—12	76	16	86	29	93	40	91	41	92	40	89	38	78	24	60	17	56	13
1848	62	— 4	51	6	84	4	75	26	89	33	90	44	90	54	92	55	84	30	72	27	50	13	60	13
Highest.	65		70		84		88		96		97		100		99		90		88		78		75	
Lowest.		—15		—20		—17		4		17		25		40		32		23		14		7		—17
Range.		80		90		101		84		79		72		60		67		67		74		71		92

SUMMARY OF OBSERVATIONS AT MILLVILLE ACADEMY,

MILLVILLE, ORLEANS COUNTY, N. Y., DURING EIGHT YEARS.

Latitude N. 43° 08'; Longitude W. 78° 20'.

OBSERVERS.

1840, '1, (except Rain gage,) JAMES F. COGSWELL, Principal.
1842, '3, '4, JAMES F. COGSWELL, Principal.
1845, SAMUEL W. POPE and J. F. COGSWELL, Principals.

1846, SAMUEL W. POPE, Principal.
1847, ROSWELL BROOKS, Principal, S. W. POPE, late Principal,
and Dr. A. M. FROST, Trustee.

JANUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1840	17,56	19,24	46	—	6 52		5,5	,5	3	,5	10	4	7,5	4	27	,5	2,5	,5	
1841	25,86	27,87	50	—	4 54	,5	1	3,5	3,5	3	11,5	3	5	3,5	27,5	,5	3	1	
1842	26,70	32,56	56	—	1 55	1		1	3,5	3,5	11	5	6	14	17	1,5	1		1,67
1843	29,21	32,57	58	—	5 53	1,5	5	2,5	3	3	10,5	1,5	4	10	21	2			2,58
1844	26,26	17,01	48	—	5 53	2,5	4	2,5	5	3	4	4	6	8,5	22,5	3	10		1,64
1845	29,31	27,46	54	—	3 57	1,5	6,5	1,5	3,5	2,5	5,5	3	7	8,5	22,5	4	9	3	3,22
1846	30,97	22,02	47	—	2 49	1,5	5		2	1	11,5	5,5	4,5	10	21	6	6		1,50
1847	28,07	20,50	53	—	3 50	,5	3,5	1,5	1,5	1	14	5	4	11,5	19,5	6	4	1	4,18
Mean.	26,74	24,89				1,12	3,81	1,62	3,13	2,19	9,75	3,88	5,50	8,75	22,25				2,46
Total.						9	30,5	13	25	17,5	78	31	44	70	178				14,79

FEBRUARY.

1840	25,51	36,05	64	2	62	1	3		4,5	5,5	10	1,5	3,5	7	22	2,5	1		
1841	19,65	27,47	52	—	2 54	2	1,5	1,5	1,5	1	14	2,5	4	13,5	14,5		1,5		
1842	33,26	27,11	57	6	51	,5	3		3,5	3,5	9	3	5,5	6,5	21,5	,5	1		2,18
1843	18,46	18,24	41	—	4 45	1	4,5	1	1,5	1	8,5	7,5	3	8,5	19,5		4		1,11
1844	24,57	31,50	50	—	2 52	1	3,5	1	3,5	4	8,5	1	6,5	14,5	14,5	1	2	1	,68
1845	19,82	39,60	64	1	63		1,5	2	3,5	3,5	8,5	1,5	7,5	10	18	4	6		1,64
1846	26,67	22,16	45	—	5 60	,5	3,5	2,5	3	1,5	8,5	4	4,5	12,5	15,5	1	6		2,43
1847	27,75	23,96	51	—	3 54	,5	7	3,5	1,5	1,5	6,5	2	5,5	8	20	1	9	1	3,23
Mean.	24,46	28,26				,81	3,44	1,44	2,81	2,69	9,19	2,88	5,00	10,06	18,19				1,88
Total.						6,5	27,5	11,5	22,5	21,5	73,5	23	40	80,5	145,5				11,27

MARCH.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1840	32,24	33,26	56	8	48		5		2,5	,5	17	1,5	4,5	13	18	1	1	1	
1841	23,76	32,25	62	—12	74	,5	9	5	1,5	,5	7	1	6,5	15	16	,5	1	1	
1842	37,03	39,74	62	12	50	3	3	2	3	4	6,5	2	7,5	12	19	1,5	1		2,32
1843	20,54	25,38	52	—7	59	1,5	1	2,5	4	,5	11	5,5	5	10,5	20,5	1	4		1,32
1844	31,49	31,08	63	12	51	3,5	5	2	,5	4	8	2,5	5,5	11	20	7	5		1,93
1845	37,72	41,04	80	12	68	,5	3,5	,5	2,5	1,5	8	6	8,5	13,5	17,5	4	4		2,21
1846	28,99	40,55	62	—4	66	1	4	4,5	3,5	1,5	11,5	4,5	,5	16	15	4			1,58
1847	28,84	32,63	56	12	44	1	4,5	1,5	1	1,5	7,5	4,5	9,5	16	15	2	3		,71
Mean.	30,08	34,49				1,38	4,37	2,25	2,31	1,75	9,56	3,44	5,94	13,38	17,62				1,68
Total.						11	35	18	18,5	14	76,5	27,5	47,5	107	141				10,07
APRIL.																			
1840	40,22	50,22	84	18	66	,5	5	1		3	16,5	1,5	2,5	19	11	2			
1841	33,05	41,77	72	20	52	2,5	7,5	1,5	3	1	6,5	2,5	5,5	15,5	14,5	1	1	,5	
1842	42,18	47,33	76	19	57	3	7	3	1,5	1	9	1,5	4	15,5	14,5	3,5			1,79
1843	39,75	47,57	78	16	62	1	5	2	5	3,5	6	2,5	5	17	13	1	1		2,06
1844	57,09	51,87	86	12	74	2	6,5	2	2,5	3	8,5	1	4,5	20	10	6			1,28
1845	39,92	53,88	84	17	67	1	7	1	1		5	3,5	11,5	15	15	9	1	1	3,76
1846	42,44	53,97	78	27	51	1,5	5	4,5	1,5	3	5	7	2	5	18	12	5	2	1,60
1847	43,58	40,83	74	16	58	2,5	1,5	1,5	1	2	10	5	6,5	13,5	16,5	5	1	2	2,19
Mean.	42,28	48,68				1,75	5,56	2,06	1,94	2,12	8,56	2,44	5,56	16,69	13,31				2,11
Total.						14	44,5	16,5	15,5	17	68,5	19,5	44,5	133,5	106,5				12,68
MAY.																			
1840	46,81	62,01	86	29	57	,5	3	1	7,5	1	8	3,5	6,5	24,5	6,5	2,5			
1841	43,00	60,42	87	25	62	2	6		1,5	2	9,5	1,5	8,5	20	11	,5			
1842	47,38	54,38	80	29	51	2	2,5	1	1,5	1,5	8,5	4	10	20,5	10,5	1,5			1,79
1843	53,06	52,68	89	31	58	2,5	6,5	2	1,5	3	7,5	3,5	4,5	20	11	1			1,21
1844	56,00	58,91	86	32	54	,5	2	1	2	2	13	5	5,5	20,5	10,5	14			4,09
1845	53,91	53,66	84	28	56	1,5	2,5		,5	1	9	5,5	11	21,5	9,5	12			2,52
1846	55,99	62,89	51	33	58	,5	7,5	,5	3	1,5	7,5	4	6,5	21	10	7			1,66
1847	54,91	60,00	85	32	53	2	3,5	6	4,5	1	7,5	3	3,5	19	12	5			1,53
Mean.	51,38	58,12				1,44	4,19	1,44	2,75	1,62	8,81	3,75	7,00	20,89	10,11				2,13
Total.						11,5	33,5	11,5	22	13	70,5	30	56	167	81				12,80
JUNE.																			
1840	58,25	63,24	90	37	53	1	1,5	1,5	4,5	2	8,5	1,5	9,5	21	9	,5			
1841	65,41	66,82	90	40	50	1	5	1,5	1	2,5	10,5	1	7,5	19,5	10,5	3			
1842	56,35	64,94	84	32	52	,5	3,5	2	3	4	9	2,5	5,5	18,5	11,5	2,5			3,04
1843	59,44	68,62	91	33	58	2,5	2	1	1	2	13,5	4	4	18,5	11,5	1,5			3,59
1844	58,52	67,35	90	32	58	5,5	2,5	1,5	1	3	8	2	6,5	22	8	8			2,78
1845	66,57	62,29	86	44	42	,5	1,5	1,5	1	,5	13	7	5	20	10	7			1,39
1846	63,67	66,05	89	44	45	3	6	3,5	1,5	,5	7,5	3,5	4,5	17	13	8			2,91
1847	59,02	64,49	88	41	47	1	2,5	,5	1	2,5	10	4	8,5	15	15	7			2,18
Mean.	60,90	65,47				1,88	3,06	1,62	1,75	2,12	10,00	3,19	6,38	18,94	11,06				2,65
Total.						15	24,5	13	14	17	80	25,5	51	151,5	88,5				15,89

JULY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1840	65,95	66,66	94	40	54	4	1	2	3,5	4	10	2	4,5	22,5	8,5	1			
1841	63,72	68,07	95	44	51	5	3	,5	,5	2	12,5	2	5,5	24,5	6,5	2,5			
1842	63,18	67,94	94	46	48	2,5	3	,5	1,5	4	9,5	1,5	8,5	20,5	10,5	2			4,35
1843	66,06	67,40	94	43	51	2,5	2	1,5	,5	1,5	10,5	4	8,5	26,5	4,5	1,5			1,74
1844	67,28	68,28	94	42	52	2	5	2	,5	3,5	8	1,5	8,5	23,5	7,5	11			2,57
1845	70,98	70,95	95	52	43	1,5	1,5		,5	,5	11	6	10	24,5	6,5	6			2,11
1846	70,04	69,44	92	44	48	1	5,5	2,5	1		6	6	9	19	12	7			1,49
1847	74,06	71,91	92	47	45	3,5	8	1,5	2,5	2	9,5	,5	3,5	18	13	5			1,78
Mean.	67,66	68,83				2,75	3,62	1,31	1,31	2,19	9,63	2,94	7,25	22,37	8,63				2,34
Total.						22	29	10,5	10,5	17,5	77	23,5	58	179	69				14,04
AUGUST.																			
1840	61,87	68,52	92	43	49	1,5	1,5	1	5,5	2	14,5	1,5	3,5	16	15	2			
1841	67,78	67,85	91	42	49	1,5	5	1	1	2,5	12,5	2,5	5	24,5	6,5	1,5			
1842	64,71	68,19	90	46	44	1	11,5	1	6	1	5,5	1	4	20	11	1,5			,52
1843	68,05	67,96	92	46	46	2	9,5	,5	,5	1,5	10,5	1,5	5	24	7	1			,39
1844	66,12	64,32	93	45	48	1,5	1	2	2	3	10,5	3,5	7,5	22	9	10			2,00
1845	70,63	72,55	96	48	48	2,5	5,5	,5	3	1,5	9,5	4	4,5	23,5	7,5	8			1,21
1846	70,29	67,38	90	54	36	4,5	8,5	1	2		4,5	3	7,5	21	10	6			5,80
1847	70,42	65,15	89	52	37	2	3	1,5	4	7,5	7,5	2	3,5	23	8	5			2,62
Mean.	67,48	67,74				2,06	5,69	1,06	3,00	2,37	9,38	2,38	5,06	21,75	9,25				2,09
Total.						16,5	45,5	8,5	24	19	75	19	40,5	174	74				12,54
SEPTEMBER.																			
1840	55,80	52,26	77	28	49	2	3	,5	4	1	8,5	3	8	18	12	1,5			
1841	65,08	58,81	88	39	49	3,5	1	1,5	6	6	3,5	,5	8	15,5	14,5	1,5			
1842	61,68	51,86	84	30	54	1	3,5	2,5	4,5		6,5	2	10	15,5	14,5	,5			5,69
1843	62,91	60,82	90	34	56	1	6	2,5	3,5	2,5	8	4	2,5	19	11	2			3,94
1844	65,07	55,95	88	31	57	4	4	1,5	2	2	8,5	2	6	23,5	6,5	1			,11
1845	60,59	55,65	78	34	44	1,5	2	,5	2,5	4,5	4,5	4	10,5	14,5	15,5	13			4,37
1846	70,99	60,51	91	40	51	2	4,5	1	2	1	15,5	1	3	20,5	9,5	8			2,88
1847	59,89	56,56	83	41	42	1	3,5	3,5	6,5	5,5	5,5	1,5	3	11	19	9			5,50
Mean.	62,75	56,55				2,00	3,44	1,69	3,88	2,81	7,56	2,25	6,37	17,19	12,81				3,75
Total.						16	27,5	13,5	31	22,5	60,5	18	51	137,5	102,5				22,49
OCTOBER.																			
1840	49,82	42,80	76	23	53	1	3	1,5	6	1,5	11,5	1,5	5	11,5	19,5	4	1		
1841	45,73	40,29	71	20	51	2	1,5	1	3	2,5	7	1	13	14	17	2		,5	
1842	50,46	44,76	71	28	43	,5	2,5	1	2	3,5	9,5	5	7	15,5	15,5	2,5			2,13
1843	50,04	38,91	72	23	49	2	2	1	2,5	4	10	6,5	3	9,5	21,5	3	,5	,5	4,00
1844	48,49	41,01	74	18	56	2,5	3,5	2	4,5	3	7	2,5	6	15,5	15,5	7	3		2,98
1845	52,04	51,10	78	20	58	3	2		1,5	1,5	14	3	6	16	15	11	1		1,70
1846	54,69	42,57	79	26	53	3,5	2,5	2,5	,5	5,5	7,5	3	6	12	19	8	1	1	4,74
1847	49,95	43,35	69	22	47	,5	1,5	2,5	8	4,5	5	3	6	11,5	19,5	10	1		3,31
Mean.	50,15	43,09				1,87	2,31	1,44	3,50	3,25	8,94	3,19	6,50	13,19	17,81				3,14
Total.						15	18,5	11,5	28	26	71,5	25,5	52	105,5	142,5				18,86

OBSERVATIONS AT MILLVILLE ACADEMY.

NOVEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1840	40,11	31,75	65	14	51	,5	1,5	2	4,5	2	8,5	6	5	6	24	2	2		
1841	40,77	31,41	78	11	67	1,5	2,5	1,5	5	2	6,5	3	8	3,5	26,5	,5	1,5		
1842	40,44	26,24	60	10	50	1	2,5	5	5	2,5	7,5	4	2,5	7	23	2	3	,5	3,34
1843	32,21	35,74	58	16	42	2	1	2	5	1,5	5,5	7	6	6,5	23,5	1,5	1,5		2,29
1844	40,67	32,66	59	12	47	1	2	1	3	3,5	7,5	5	7	9	21	6	4		1,46
1845	41,53	38,61	62	19	43		2		3	3	12	5	5	11,5	18,5	6	2	1	1,77
1846	49,84	35,08	66	18	48	3	7	2	4,5	,5	4,5	5	3,5	9	21	8	2		4,69
1847	44,48	36,55	66	5	61	,5	1	,5	5	2,5	7,5	6,5	6,5	3,5	26,5	10	3	1	2,98
Mean	41,26	33,50				1,19	2,44	1,75	4,37	2,18	7,44	5,19	5,44	7,00	23,00				2,75
Total.						9,5	19,5	14	35	17,5	59,5	41,5	43,5	56	184				16,53

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1840	28,13	21,07	40	3	37	1,5	2,5	1,5	4	1	10,5	1,5	8,5	6,5	24,5	3	3		
1841	37,48	23,16	48	11	37	2,5	2,5	2,5	4	2	9,5	2,5	5,5	4,5	26,5	3	3	,5	
1842	29,03	25,33	42	8	34	1,5	1,5	2,5	2,5	3,5	7,5	5	7	5	26	,5	3		2,04
1843	29,38	34,16	44	11	33	,5	2	2	2,5	3	9,5	3,5	8	5,5	25,5	,5	1		2,31
1844	32,06	29,04	52	12	40	3	2	2,5	5,5	3	6,5	3	5,5	11	20	6	4	1	2,22
1845	24,88	26,59	50	3	47	1,5	3,5	1,5	3,5	2	10,5	4,5	4	11,5	19,5		4		,37
1846	30,06	29,43	54	8	46		2,5	2,5	4,5	1	5,5	3	12	12,5	18,5	3	5	1	2,14
1847	36,39	27,61	53	11	44	1,5	4	,5	6	4,5	6,5	5	3	2	29	6	4	1	2,62
Mean	30,93	27,05				1,50	2,56	1,94	4,06	2,50	8,25	3,50	6,69	7,31	23,69				1,85
Total.						12	20,5	15,5	32,5	20	66	28	53,5	58,5	189,5				11,70

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	Rain gage, total fall.
	First Half.	Seco'd Half.																					
January, --	26,74	24,89	58	— 6	64	1,12	3,81	1,02	3,13	2,19	9,75	3,88	5,50	66° 23' W	30	8,91	8,75	22,25				2,46	14,79
February, --	24,46	23,28	64	— 5	69	,81	3,44	1,14	2,81	2,69	9,19	2,88	5,00	53° 03' W	27	8,22	10,06	18,19				1,88	11,27
March, ---	50,08	34,49	80	— 12	92	1,38	4,97	2,25	3,81	1,75	9,56	3,44	5,94	73° 49' W	25	7,58	13,38	17,62				1,15	10,07
April, ---	42,28	43,68	86	12	74	1,75	5,56	2,06	1,94	2,12	8,56	2,44	5,56	89° 44' W	17	5,06	16,69	13,31				2,11	12,65
May, ----	51,33	58,12	91	25	66	1,44	4,19	1,41	2,75	1,62	8,81	3,75	7,00	89° 03' W	28	8,59	20,9	10,11				2,12	12,80
June, ----	60,90	65,47	91	32	59	1,88	3,06	1,62	1,75	2,12	10,00	3,19	6,38	79° 27' W	34	10,21	18,94	11,06				2,65	15,89
July, ----	67,68	68,38	95	40	55	2,75	3,62	1,31	1,31	2,19	9,63	2,94	7,25	88° 50' W	34	10,10	22,37	8,03				2,34	14,04
August, ---	67,48	67,74	96	42	54	2,06	5,69	1,06	3,00	2,37	9,38	2,38	5,06	74° 27' W	18	5,45	21,75	9,25				2,09	12,54
September, --	62,75	56,55	91	28	63	2,00	3,44	1,69	3,88	2,81	7,56	2,25	6,37	72° 29' W	22	6,54	17,19	12,81				3,75	22,49
October, --	50,15	43,09	79	18	61	1,87	2,31	1,44	3,50	3,25	8,94	3,19	6,50	65° 14' W	31	9,43	13,19	17,81				3,14	18,86
November, --	41,26	33,50	78	5	73	1,19	2,44	1,75	4,37	2,18	7,44	5,19	5,44	64° 05' W	29	8,60	7,00	23,00				2,75	16,53
December, --	30,93	27,05	55	8	52	1,50	2,56	1,94	4,06	2,50	8,25	3,50	6,69	66° 23' W	27	8,12	7,31	23,69				1,95	11,70
Mean. ----	46,34	40,39				1,65	3,71	1,63	2,90	2,82	4,92	3,25	6,05	74° 09' W	26	7,79	14,79	15,64				2,37	19,47

Highest degree, August 7, 1845, — 95°
 Lowest degree, March 10, 1841, — 12°
 Extreme range in 8 years, — 107°
 Greatest monthly range in March.
 Least monthly range in December.

Mean monthly range, 65°.
 Driest month, March.
 Wettest month, September.
 Total fall of rain and snow in 8 years, 14 feet 5,66 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1840	18.40	30.78	32.75	45.22	54.11	60.74	66.30	65.19	54.03	46.31	38.93	24.60	44.81	94	-6	100	66	January 2,	July 16,	September 12,	October 25,
1841	26.83	28.56	28.06	38.91	51.71	66.11	65.89	67.81	61.94	48.04	36.09	30.32	45.02	95	-12	107	74	January 13,	July 24,	October 1,	October 24,
1842	29.63	30.18	38.38	44.75	50.82	60.63	65.56	66.45	56.77	47.61	33.31	21.18	45.94	94	1	93	55	January 23,	July 29,	September 23,	November 10,
1843	30.80	35.35	32.96	44.66	52.87	64.03	66.73	65.00	61.86	44.17	33.97	31.77	45.04	94	7	101	62	February 17,	July 1,	September 12,	October 17,
1844	21.63	28.65	31.28	64.48	57.45	62.93	67.78	65.22	59.51	44.75	36.66	30.55	46.69	94	5	99	74	January 26,	July 13,	September 23,	October 28,
1845	28.38	29.71	39.38	45.90	53.28	64.93	70.26	71.59	58.10	51.57	40.07	25.73	48.88	96	3	99	68	February 13,	July 13,	September 11,	October 15,
1846	27.99	24.11	44.77	48.29	59.44	64.71	69.74	69.83	65.57	48.63	42.46	29.79	46.29	92	5	97	66	February 26,	July 10,	October 3,	October 17,
1847	24.28	25.85	30.73	42.20	57.45	61.75	72.95	67.78	58.22	46.65	40.52	32.00	46.75	92	3	95	58	January 19,	July 15,	October 14,	October 14,
Mean.	26.00	26.36	32.28	45.55	54.68	63.23	68.24	67.73	59.50	46.62	37.75	28.99	46.11								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1840	13,5	35,5	12,5	49,5	24	133,5	29	68,5	S 50 05' W	28	102,44	169	197	23,5	10,5	1,5
1841	24,5	45,5	21	31,5	27	110,5	23	82	S 81 00 W	23	84,34	173,5	191,5	16,5	11	3,5
1842	17,5	43,5	21,5	37,5	32	99	36,5	77,5	S 72 50 W	23	84,42	170,5	194,5	20	9	,5
1843	20	46,5	20,5	30,5	27	111	51	58,5	S 66 43 W	28	104,38	175,5	189,5	16	12	1
1844	29	41	21	32	37	98	33	75	S 77 27 W	23	84,32	200	166	80	28	2
1845	15	39	9	26	22	110,5	53	90,5	S 49 34 W	39	142,20	190	175	84	27	5
1846	22	61,5	27	29	17,5	97	44,5	66,5	N 75 30 W	17	62,02	188,5	176,5	71	22	3
1847	16,5	43,5	24,5	42,5	36	97	42	63	S 53 30 W	22	80,14	162	213	71	25	6
Mean.	19,75	44,50	19,62	34,81	27,81	107,06	39,00	72,69	S 74° 14' W	26	93,94	177,37	187,88			
Total.	158	356	157	278,5	222,5	856,5	312	581,5				14,19	1503			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1842	1.67	2.18	2.32	1.79	1.79	3.04	4.35	.52	5.69	2.13	3.34	2.04	30.86	August.	September.
1843	2.53	1.11	1.32	2.06	1.21	3.59	1.74	.39	3.94	4.00	2.29	2.31	26.54	August.	October.
1844	1.64	.63	1.93	1.93	4.09	2.73	2.57	2.00	.11	2.93	1.46	2.22	23.74	September.	May.
1845	3.22	1.64	2.21	3.76	2.52	1.39	3.11	1.21	4.37	1.70	1.77	.37	26.27	December.	September.
1846	1.50	2.43	1.53	1.60	1.66	2.91	1.49	5.81	2.88	4.74	4.69	2.14	33.43	July.	August.
1847	4.18	3.23	.71	2.19	1.53	2.13	1.78	2.62	5.50	3.31	2.98	2.62	32.83	March.	September.
Mean.	2.46	1.88	1.68	2.11	2.13	2.65	2.34	2.09	3.75	3.14	2.75	1.95	28.94		
Total.	14.79	11.27	10.07	12.68	12.80	15.89	14.04	12.55	22.49	18.86	16.53	11.70	173.67		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1840	30	2	19	4	3	10	17	7	18	6	29	7	16	2	21	25	9	21	2	26	3	17	15	25
1841	6	18	22	11	19	16	25	10	24	3	8	16	24	10	17	24	10	30	10	24	1	29	9	21
1842	19	23	3	17	3	11	22	8	18	13	18	10	29	31	31	1	1	22	8	27	6	29	4	23
1843	21	3	26	17	10	5	22	2	14	1	27	1	1	20	7	1	3	27	1	23	17	27	26	12
1844	16	26	29	9	1	18	14	1	25	21	30	11	13	4	16	28	20	27	9	31	12	27	25	17
1845	27	31	20	13	30	15	30	8	11	21	8	17	13	31	7	1	3	29	10	21	18	30	17	19
1846	30	22	4	26	19	2	21	13	27	11	1	6	10	15	5	18	7	21	8	22	10	25	27	15
1847	15	19	2	23	7	16	21	18	11	3	27	19	18	28	16	23	8	29	5	26	2	29	9	26

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1840	46	— 6	64	— 2	56	— 8	84	18	86	29	90	37	94	40	92	43	77	28	76	23	65	14	40	3
1841	50	— 4	52	— 2	62	— 12	72	20	87	25	90	40	95	44	91	42	88	39	71	20	78	11	48	11
1842	56	1	57	6	62	12	76	19	80	29	84	32	94	46	90	46	84	30	71	28	60	10	42	8
1843	58	5	41	— 4	52	— 7	78	16	89	31	91	33	94	43	92	46	90	34	72	23	58	16	44	11
1844	48	— 5	50	— 2	63	12	86	12	86	32	90	32	94	42	93	45	88	31	74	18	59	12	52	12
1845	54	— 3	64	1	80	12	84	17	84	26	86	44	95	52	96	48	78	34	78	20	62	19	50	3
1846	47	— 2	45	— 5	62	— 4	78	27	91	33	80	44	92	44	90	54	91	40	79	26	66	18	54	8
1847	53	3	51	— 3	56	12	74	16	85	32	88	41	92	47	89	52	83	41	69	22	66	5	55	11
Highest.	58		64		80		86		91		91		95		96		91		79		78		55	
Lowest.		— 6		— 5		— 12		12		25		32		40		42		28		18		5		3
Range.		64		69		92		74		66		59		55		54		63		61		73		52

SUMMARY OF OBSERVATIONS AT MONROE ACADEMY,

HENRIETTA, MONROE COUNTY, N. Y., DURING THREE YEARS.

Latitude N. 43° 06', Longitude W. 77° 51'. Elevation above tide 600 feet. Seven miles south of Rochester.

OBSERVERS.

1835, '6, J. SMITH WHITAKER, Principal.

1839, (except Rain gage,) E. D. RANSOM, Principal.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1835	24, 15	34, 38	54	—5	59	2	3	1, 5	1	11, 5	7	3, 5	1, 5	14, 5	16, 5	4	3, 5		1, 28
1836	30, 83	19, 53	42	—2	44	1	2	3, 5	3	3	9, 5	3	6	11, 5	19, 5	, 5	7	1	2, 05
1839	32, 85	22, 50	56	1	55	4, 5	1	1	2, 5	9	5, 5	6, 5	1	5, 5	25, 5		3		
Mean.	29, 28	25, 47				2, 50	2, 00	2, 00	2, 17	7, 83	7, 33	4, 34	2, 83	10, 50	20, 50				1, 66
Total.						7, 5	6	6	6, 5	23, 5	22	13	8, 5	31, 5	61, 5				3, 33
FEBRUARY.																			
1835	14, 71	26, 52	50	—5	55	1, 5			1	11, 5	9	4	1	14	14	1, 5	8, 5		1, 34
1836	15, 58	23, 72	64	—9	73		1	3	4, 5	3	11	3, 5	3	13	16	, 5	7		2, 30
1839	20, 89	34, 89	46	0	46	3	3, 5	2		3, 5	6	9	1	8	20	2			
Mean.	17, 06	28, 38				1, 50	1, 50	1, 67	1, 83	6, 00	8, 66	5, 50	1, 66	11, 66	16, 66				1, 81
Total.						4, 5	4, 5	5	5, 5	18	26	16, 5	5	35	50				3, 64
MARCH.																			
1835	29, 54	35, 66	54	0	54	3, 5	5	1	1, 5		11	6, 5	2, 5	18, 5	12, 5	2, 5	2		1, 06
1836	24, 20	31, 41	61	5	56		2	2, 5	2	3, 5	13, 5	6, 5	1	20, 5	10, 5		4	, 5	1, 07
1839	65, 18	35, 90	67	2	65	4		3, 5		11	2	8, 5	2	15	16	5	3		
Mean.	39, 64	34, 32				2, 50	2, 33	2, 33	1, 16	4, 83	8, 83	7, 16	1, 86	18, 00	13, 00				1, 06
Total.						7, 5	7	7	3, 5	14, 5	26, 5	21, 5	5, 5	54	39				2, 13

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1835	47,87	41,21	80	20	60	3,5	,5	4,5		6	4	6	5,5	16	14	5,5	4,5	1	3,18
1836	37,00	49,36	78	19	59	3	2	2,5	3,5	6,5	4	4	4,5	19	11	4,5	1,5	,5	3,25
1839	47,05	50,60	75	30	45	15	,5			6,5		7,5	,5	23,5	6,5	4			
Mean.	43,97	47,06				7,16	1,00	2,33	1,16	6,33	2,66	5,86	3,50	19,50	10,50				3,21
Total.						21,5	3	7	3,5	19	8	17,5	10,5	58,5	31,5				6,43
MAY.																			
1835	53,28	65,09	86	31	55	6,5	1,5	,5	1,5	2	10	4	5	23	8	1			,67
1836	57,76	57,18	90	30	60	9,5	3		1	5,5	4,5	2,5	5	20,5	10,5	7			3,02
1839	51,65	57,46	78	32	46	6,5	3,5		1,5	4	7	4	4,5	19	12	6			
Mean.	54,23	59,91				7,50	2,67	,17	1,33	3,83	7,17	3,50	4,83	20,83	10,17				1,84
Total.						22,5	8	,5	4	11,5	21,5	10,5	14,5	62,5	30,5				3,69
JUNE.																			
1835	68,48	61,17	96	42	54	3		2	1	6	7,5	6,5	4	19,5	10,5	5			4,25
1836	66,19	64,09	90	45	45	2	2	9,5	1	2	6	2,5	5	17,5	12,5	5			2,70
1839	66,53	61,85	76	44	32	3		5,5			6,5	10	5	17	13	8			
Mean.	67,06	62,37				2,67	,67	5,67	,66	2,66	6,67	6,33	4,67	18,00	12,00				3,47
Total.						8	2	17	2	8	20	19	14	54	36				6,95
JULY.																			
1835	66,08	68,32	88	48	40	2	1			9,5	8,5	9	1	18,5	12,5	3			2,13
1836	70,81	67,04	94	45	49	7,5	1	1	,5	12	7,5	1	1,5	27,5	3,5	2,5			,94
1839	61,90	72,91	84	53	31	2,5	1	2	4	5	6	10,5		25	6	6			
Mean.	66,26	69,42				4,00	,67	1,00	1,50	8,83	7,33	6,84	,83	23,67	7,33				1,53
Total.						12	2	3	4,5	26,5	22	20,5	2,5	71	22				3,07
AUGUST.																			
1835	66,86	63,55	92	40	52	4,5	,5		1	9	9	3,5	3,5	20,5	10,5	7,5			4,78
1836	64,94	62,10	92	38	54	7,5	1,5	,5	2,5	8	5,5	2	3,5	20	11	4			1,24
1839	62,97	63,81	81	42	39	1	4	1	1,5	5	1,5	6	11	21,5	9,5	8			
Mean.	64,92	63,15				4,33	2,00	,50	1,67	7,33	5,34	3,83	6,00	20,67	10,33				3,01
Total.						13	6	1,5	5	22	16	11,5	18	62	31				6,02
SEPTEMBER.																			
1835	58,87	51,73	86	32	54	1	,5	,5	2	11	6,5	6	2,5	19	11	3,5			3,60
1836	62,65	59,70	86	28	58	5	1	1,5	1	6,5	7	3	5	18	12	5		1	3,24
1839	60,01	54,52	82	30	52	1	1	1,5	2	5	7,5	1	11	10,5	19,5	4			
Mean.	60,51	55,32				2,33	,83	1,17	1,67	7,50	7,00	3,33	6,17	15,83	14,17				3,42
Total.						7	2,5	3,5	5	22,5	21	10	18,5	47,5	42,5				6,84

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1835	49,26	60,18	83	28	55	1	,5	,5	3	15	5,5	4	1,5	20,5	10,5	6			5,75
1836	44,16	37,53	66	22	44	3,5	,5	1,5		9	10	,5	6	19	12	4	1	1	2,22
1839	55,00	51,35	76	31	45	2	4,5		2	4	11	4	3,5	18	13	2			
Mean.	49,47	49,69				2,17	1,83	,67	1,67	9,33	8,83	2,83	3,67	19,17	11,83				3,98
Total.						6,5	5,5	2	5	28	26,5	8,5	11	57,5	35,5				7,97
NOVEMBER.																			
1835	46,07	31,93	69	10	59	1	3	1	2	9,5	9	3	1,5	17	13	2,5	2,5		2,10
1836	40,18	32,27	60	14	46	1		,5		13	10,5	2,5	2,5	12,5	17,5	1,5	2,5	1	,67
1839	37,19	30,77	31	7	44		,5	2	1	5	9,5	7	5	10,5	19,5	3	3	1	
Mean.	41,14	31,46				,66	1,17	1,17	1,00	9,17	9,66	4,17	3,00	13,33	16,67				1,38
Total.						2	3,5	3,5	3	27,5	29	12,5	9	40	50				2,77
DECEMBER.																			
1835	26,37	27,32	45	—8	53	,5	1	3	,5	11	8	6	1	15,5	15,5	1,5	3,5		,50
1836	32,58	22,28	52	8	44	2	2	1,5	1,5	14	5	3	2	18	13	1,5	3		,27
1839	37,37	23,44	49	8	41	4		3,5	1	5,5	3	12	2	2	29	1	10	1	
Mean.	32,10	24,35				2,17	1,00	2,67	1,00	10,16	5,33	7,00	1,67	11,83	19,17				,38
Total.						6,5	3	8	3	30,5	16	21	5	35,5	57,5				,77

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gauge, total fall.	
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.		
	First Half.	Seco'd Half.																						
January, -	29.28	27.47	56	— 5	61	2.50	2.00	2.00	2.17	7.83	7.33	4.34	2.53	S 37° 17' W	36	10.85	10.50	20.50					1.66	3.33
February, -	17.06	28.38	64	— 9	73	1.50	1.50	1.67	1.83	6.00	8.66	5.50	1.66	S 43° 42' W	48	13.00	11.66	16.66					1.81	3.64
March, - -	39.64	31.32	67	0	67	2.50	2.33	2.33	1.16	4.83	8.83	7.16	1.86	S 57° 01' W	49	14.89	18.00	13.00					1.00	2.13
April, - - -	43.97	47.06	80	19	61	7.16	1.00	2.33	1.16	6.33	2.66	5.86	3.50	N 77° 50' W	30	6.17	19.50	10.50					3.21	6.43
May, - - - -	54.23	50.91	90	30	60	7.50	2.67	.17	1.33	3.83	7.17	3.50	4.33	N 72° 47' W	31	9.47	20.83	10.17					1.84	3.69
June, - - - -	67.06	62.37	96	42	54	2.67	.67	5.67	.66	2.66	6.67	6.33	4.67	S 61° 16' W	29	8.83	18.00	12.00					3.47	6.95
July, - - - -	66.26	69.42	94	45	49	4.00	.67	1.00	1.50	8.83	7.33	6.84	.83	S 74° 39' W	54	16.30	23.67	7.83					1.58	3.07
August, - - -	64.92	63.15	92	38	54	4.33	2.00	.50	1.67	7.33	5.34	3.83	6.00	S 75° 25' W	30	9.04	20.67	10.33					3.01	6.02
September, -	60.51	55.32	86	23	58	2.33	.83	1.17	1.67	7.50	7.00	3.33	6.17	S 56° 49' W	39	11.60	15.83	14.17					3.42	6.84
October, - - -	49.47	49.69	83	22	61	2.17	1.83	.67	1.67	9.33	8.83	2.83	3.67	S 38° 32' W	45	13.60	19.17	11.83					3.98	7.97
November, - -	41.14	31.46	69	7	62	.66	1.17	1.17	1.00	9.17	9.66	4.17	8.00	S 38° 28' W	55	16.65	13.33	16.67					1.88	2.77
December, -	32.10	24.35	52	— 8	60	2.17	1.00	2.67	1.00	10.16	5.33	7.00	1.67	S 36° 37' W	44	13.19	11.83	19.17					.88	.77
Mean, - - -	47.14	45.91				3.29	1.47	1.78	1.40	6.52	7.07	5.06	3.89	S 57° 29' W	36	10.77	16.91	13.63					2.22	4.47

Highest degree, June 10, 1835, - - - - - 96°
 Lowest degree, February 4, 1836, - - - - - —9
 Extreme range in 3 years, - - - - - 105
 Greatest monthly range in February.
 Least monthly range in July.

Mean monthly range, 60°.
 Driest month, December.
 Wettest month, October.
 Total fall of rain and snow in 2 years, 4 feet 5,61 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1835	27, 76	20, 61	32, 60	44, 54	59, 18	64, 82	67, 29	65, 20	55, 80	54, 72	30, 00	27, 84	46, 56	96	— 8	104	60	December 16,	June 8,	September 28,	November 11.
1836	25, 18	19, 65	27, 80	42, 18	57, 78	65, 14	68, 95	63, 02	61, 17	40, 84	36, 23	27, 43	44, 69	94	— 9	163	73	February 4,	July 26,		
1839	27, 62	27, 89	50, 54	58, 62	54, 55	64, 19	68, 40	63, 39	57, 26	53, 17	31, 95	25, 40	46, 27	84	0	84	65	January 23,	July 26,		
Mean.	26, 85	22, 72	36, 98	48, 51	57, 17	64, 72	68, 21	63, 87	57, 91	49, 58	33, 40	26, 89	45, 84								November 28. November 1.

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1835	30	16, 5	14, 5	14, 5	102	95	62	30, 5	S 40° 50' W	42	153, 53	216, 5	148, 5	43, 5	24, 5	1
1836	42	17	27, 5	20, 5	86	94	34	45	S 43° 59' W	32	115, 59	217	149	36	26	5
1839	47	19, 5	20, 5	17, 5	70	79	86, 5	46	S 70° 42' W	37	135, 87	175, 5	189, 5	49	19	2
Mean.	39, 66	17, 66	20, 83	17, 50	86, 00	89, 33	60, 83	40, 50	S 52° 55' W	37	134, 03	203, 00	162, 33			
Total.	119	53	62, 5	52, 5	258	268	182, 5	121, 5				609	487			

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1835	12	10	24	4	26	3	11	14	25	9	10	21	24	8	17	31	5	29	29	31	4	29	25	16
1836	4	27	22	4	27	12	29	10	16	13	17	20	8	26	28	23	19	28	1	25	11	25	9	30
1839	11	19	22	5	29	3	29	17	24	4	30	2	26	4	24	29	8	30	8	20	5	25	7	31

SUMMARY OF OBSERVATIONS AT MONTGOMERY ACADEMY,

MONTGOMERY, ORANGE COUNTY, N. Y., DURING THIRTEEN YEARS.

Latitude N. 41° 32'; Longitude W. 74° 00'. On the Walkill, a branch of the Hudson.

OBSERVERS.

1828, '9, '30, PETER A. MILLSAUGH, M. D.

1833 to 1842, (excepting 1839 and 1841,) JACOB C. TOOKER, Principal.

1831, '2, JOHN F. SCOTT, Trustee and Principal.

JANUARY.																			
YEARS	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	37,63	21,19	51	— 5	56	13	1	1	,5	6,5	4	4,5	,5	13	18	6	1	1	1,56
1829	23,42	28,86	58	0	58	7,5	1	1		10,5		11		12,5	18,5	4	4		4,00
1830	32,18	21,79	49	— 1	50	6				5,5	6	13,5		19,5	11,5	2	1,5		2,80
1831	26,75	17,74	54	— 2	56	4,5	3			3	7,5	11	2	19	12	2	4		3,39
1832	29,35	24,86	50	— 10	60	,5	2	4	4	6	7	3,5	4	15	16	1,5	2	1,5	3,64
1833	33,15	27,47	70	0	70	1	3			7	13	4	3	14,5	16,5	,5	1		,95
1834	22,24	24,03	40	1	39	7	1,5	1	,5	2,5	1	8	9,5	22,5	8,5	2,5	1,5	1	1,40
1835	20,36	35,09	64	— 33	97	12	2,5		1	2	,5	9	4	17,5	13,5	3			4,25
1836	30,30	13,98	44	— 24	68	8,5	4				2	6,5	10	15	16	1,5	6	,5	3,14
1837	16,57	19,09	48	— 8	56		1					14	16	9,5	21,5	1	4		1,80
1838	36,89	29,83	63	4	59	3,5	2,5	,5		2	9,5	8	5	8	23	1,5	1	1	2,40
1840	17,40	20,65	54	— 13	67	4	4			2	9,5	3,5	8	16	15	2	3,5		4,05
1842	22,13	27,56	58	0	58	7,5	3,5				4,5	5	10,5	11	20		2,5		1,98
Mean.	26,79	24,01				5,77	2,23	,58	,50	3,69	5,00	7,81	5,42	14,84	16,16				2,72
Total.						75	29	7,5	6	47	64,5	101,5	72,5	193	210				35,36

FEBRUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	38,23	38,45	61	13	58	6		1,5	1,5	8	7,5	4,5		15	14	4	2	2	2,57
1829	22,38	21,54	49	—	6 55	12		1		2,5	5	6,5	1	14,5	13,5	1	3		3,62
1830	18,52	31,06	56	—	12 68	4,5	3	3,5	1	4,5			,5	24	4	,5	,5		1,74
1831	18,72	27,85	50	—	9 59	1	1,5		,5	3,5	8,5	5,5	7,5	22	6	1,5	1		1,84
1832	28,68	25,30	52	—	2 54	1,5	9,5		3	1,5	7	1,5	5	7	22	,5	4	2	4,63
1833	25,04	28,76	47	—	7 54	,5	3,5	1	1	2,5	8,5	4,5	6,5	13,5	14,5	1,5	1,5	1	1,00
1834	30,05	37,85	48	—	15 33	5	5			7,5	4,5	2	4	18	15	3,5	1,5	1	1,45
1835	16,40	31,65	46	—	7 53	2	1,5		2	2	3	5	12,5	14	14	2	3	1	1,37
1836	15,72	19,00	57	—	25 82	1	2			6	5	15	15,5	13,5	1,5	5,5			1,19
1837	20,12	28,35	62	—	3 65	1	3			2	12	10	17	11	1,5	2			2,10
1838	22,37	15,24	57	—	5 62	1,5	5,5			4	5	12	15	13			3		2,05
1840	27,83	40,40	68	—	5 63	2,5	1			2,5	9	8,5	5,5	6	23	3	1,5		3,10
1842	37,01	31,91	63	—	6 57	2	8					5,5	12,5	16	12	3,5	2	1	2,39
Mean.	24,69	29,41				3,11	3,35	,54	,69	2,65	5,00	5,85	7,07	14,77	13,50				2,23
Total.						40,5	43,5	7	9	34,5	65	76,5	92	192,5	175,5				29,05
MARCH.																			
1828	36,75	44,97	79	11	68	7,5	2	1	,5	13	3	4		13	18	5	1	1	2,60
1829	32,24	34,24	66	11	55	4		4		12	3	7,5	,5	21,5	9,5	2	3		2,49
1830	35,15	42,85	72	8	64	5,5		1,5	1	9	3,5	9,5	1	18	13	3,5	2		3,04
1831	39,44	43,49	70	18	52	,5	4		,5	3,5	12	7,5	3	18,5	12,5	3	,5		2,03
1832	40,07	39,24	78	8	70		3	,5	3,5	5	10	2	7	18	13	4	1		2,62
1833	26,26	43,71	68	—	6 74	1	7,5		3	3,5	9	2	5	23	8	2	1,5		1,65
1834	39,77	37,42	56	30	26	4	3	,5	,5	11	3	2,5	6,5	18,5	12,5	2	1		2,35
1835	30,47	31,54	63	3	60	5,5	5,5		1,5	4	7	7,5		14,5	16,5	,5	2	1	1,70
1836	23,34	28,85	62	—	6 68	1	3	1		3	7	7	9	11	20	3	1,5		1,09
1837	27,23	34,38	54	—	6 60		7			2		17	5	16	15	6	1		1,85
1838	34,55	28,39	68	—	6 74	3,5	11	1,5	1	2	2	10,5	1,5	11,5	19,5		4,5	,5	2,45
1840	38,68	41,27	72	14	58	4,5	4		1	1	4,5	5,5	10,5	6,5	24,5	2	3		2,90
1842	41,20	42,70	72	21	51	5	6,5		2		4	6	7,5	16,5	14,5	1	2		2,46
Mean.	34,24	37,93				3,23	4,32	,79	1,13	4,82	5,00	6,78	4,94	15,89	15,11				2,25
Total.						42	56,5	10	14,5	63	65	88	64	206,5	196,5				29,23
APRIL.																			
1828	42,48	48,98	68	27	41	11,5	,5	2	1	6	6	3		14,5	15,5	3	2		3,35
1829	43,90	49,74	86	30	56	7,5	1	2,5		11,5	2,5	5		16	19	4			5,25
1830	50,01	57,86	85	28	57	13,5		,5	,5	9	,5	5,5	,5	21	9	3,5			3,72
1831	50,19	52,55	76	30	46	1,5	3	1	1	7	9,5	5	2	17,5	12,5	6,5	,5		5,63
1832	46,21	46,28	84	12	72	1	8,5	3	1,5	5	3	2,5	5,5	18	12	4,5		,5	2,27
1833	52,02	54,95	92	29	63		5,5		7,5	5	6	3	3	23	7	2			1,85
1834	53,56	49,07	89	29	60	2	13	2		2	3	4	4	14	16	3	1		1,75
1835	47,63	43,25	74	25	49	3	5	1	1	3	4,5	3,5	9	14	16	5	,5	2	3,35
1836	35,26	48,23	80	4	76	2			,5	8	13,5	6		13	17	2,5	1,5		1,00
1837	40,24	45,20	79	24	55	1		1	,5	2	1,5	9,5	14,5	17	13	2,5	,5		1,70
1838	43,73	40,92	84	18	63	4	5,5	1,5	1	,5	1	9	7,5	9,5	20,5	2,5	1		2,00
1840	42,77	53,10	83	29	54	1	2		1	2	2,5	10	11,5	14,5	15,5	6			3,95
1842	48,49	52,26	78	24	54	1	11,5	1,5			1	11	4	14,5	15,5	7,5			2,45
Mean.	45,88	49,45				3,77	4,27	1,23	1,19	4,08	3,77	6,50	5,19	15,88	14,12				2,94
Total.						49	55,5	16	15,5	53	49	84,5	67,5	206,5	183,5				38,27

MAY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	60,12	58,65	88	39	49	6		2,5	2	13,5	2	5		16,5	14,5	6			2,60
1829	56,99	70,35	97	36	61	3,5		2	2	21,5		1,5		22,5	8,5	3			1,25
1830	59,85	57,58	82	35	47	12,5		2,5		8,5	3	4,5		21,5	9,5	3			2,30
1831	55,08	67,12	94	36	58		2,5			8,5	10	7,5	1	14,5	16,5	4,5			1,34
1832	54,46	54,97	88	38	50	1	4	3	8,5	4	2,5	1	7	15	16	5			4,76
1833	63,95	62,73	84	45	39	1,5	7,5	6	2,5	3	6,5	3,5		11	20	4			2,90
1834	48,66	62,46	90	30	50	1	7,5		2		5,5	4	11	15	16	3			3,45
1835	53,71	65,31	94	39	55	1,5	9,5				8,5	9		21	10	3,5			1,35
1836	58,24	63,63	92	28	64		10			2	8	3,5	9,5	19,5	11,5	9			3,35
1837	52,00	56,15	88	20	68		3				9	8	11	13,5	17,5	4			4,10
1838	47,68	61,36	90	28	62	2,5	4		2,5	5,5	5,5	6	5	14,5	16,5	6			2,45
1840	48,84	65,23	94	32	62	5,5	6			1	1	10,5	7	20,5	10,5	4			3,55
1842	54,32	58,32	81	32	49	3,5	2,5		2,5	1,5	10,5	2,5	8	14	17	6			2,81
Mean.	54,92	61,83				2,96	4,35	1,34	1,73	5,18	5,07	5,07	5,30	16,85	14,15				2,78
Total.						38,5	56,5	17,5	22,5	67	66	66	69	219	184				36,21

JUNE.

1828	69,87	75,58	100	48	52			3,5	3	20,5	1	1,5		20	10	7			4,77
1829	68,38	65,21	97	42	55	2,5			2			3		24	6	2			2,73
1830	65,09	66,08	97	43	54	7,5				18		4		21	9	4			5,39
1831	73,07	70,34	92	48	44	1	2		3,5	11,5	6	4,5		18,5	11,5	6			4,32
1832	64,61	69,17	99	40	59		4		1,5	7	10,5	4,5	1,5	15	15	5			2,29
1833	61,55	64,87	88	43	45	1,5	2,5			6	2,5	12	3	19	11	2			4,01
1834	60,32	52,34	96	40	56	4,5	3,5		1,5	1,5	1,5	2,5	15	15	15	8,5			6,33
1835	70,33	59,00	97	44	53		3,5		7,5	1,5	4	7,5	6	15,5	14,5	5,5			1,25
1836	63,70	65,88	94	41	53	3,5	15,5			1		5	5	9,5	20,5	9			6,30
1837	64,38	62,09	98	43	55	2	5,5			1	6	7	8,5	5,5	24,5	9			5,44
1838	72,32	70,70	95	49	46		3		1,5		3	8,5	13	16,5	13,5	5			4,20
1840	58,34	68,88	94	43	51	2	5		2			15,5	5,5	19,5	10,5	4,5			3,05
1842	58,48	69,97	86	40	46	2	5		7,5	3,5	10		2	14,5	15,5	2			2,82
Mean.	65,42	66,16				2,07	3,84		2,59	7,50	2,96	5,58	4,58	16,42	13,58				4,09
Total.						37	50	11,5	33,5	97,5	38,5	72,5	59,5	213,5	176,5				52,90

JULY.

1828	67,87	73,62	98	54	44	6		1		18,5	1,5	3,5		17,5	13,5	6			8,64
1829	67,93	71,96	96	48	48		2,5	2,5		23,5	1,5			21	10	5			4,13
1830	70,33	80,72	104	50	54	4,5		1		22	2	1		25	6	2			3,22
1831	68,69	75,70	90	50	40	1		2,5	2	10,5	6	7,5		16	15	8			4,39
1832	73,15	69,05	98	54	44		1,5		5	6	9,5	5	3	15	16	5,5			4,08
1833	71,40	70,02	99	51	48	1	1			3,5	15	8	2,5	17	14	1,5			1,53
1834	77,56	75,54	101	52	49		5		6	4	4,5	6	5	21	10	5			2,86
1835	71,80	72,55	96	45	51		1		3,5	1		16	9,5	22,5	8,5				3,65
1836	74,83	62,68	96	50	46	3					2,5	14,5	5	18	13	4,5			5,25
1837	67,10	68,82	94	45	49		6	1	4		6	9	10	15	16	5,5			5,25
1838	77,69	73,40	101	45	56			2,5	2,5		2	7,5	15,5	21	10	2,5			2,20
1840	73,84	74,98	99	49	50		1,5	2	2		5,5	15,5	4	20	11	2,5			1,80
1842	74,48	72,62	93	38	55		2	1	2		5,5	14,5	8	19,5	11,5	1,5			3,89
Mean.	72,05	72,43				1,35	1,73	1,08	2,19	6,92	5,41	7,85	4,47	19,12	11,88				3,92
Total.						17,5	22,5	14	28,5	90	70,5	102	58	248,5	154,5				50,89

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	73,16	73,63	98	46	52	5		1	2,5	16	1	5,5		26	5	3			2,88
1829	73,98	62,29	94	45	49		,5	3,5	6	21				24	7	3			2,06
1830	75,40	74,54	96	48	48	9,5	2	5	,5	9,5		4	,5	25,5	5,5	1			1,60
1831	72,25	73,48	98	42	56	3,5	4,5	,5	4	6,5	8	3,5	,5	20	11	4,5			6,74
1832	69,19	65,07	88	43	45	1	3	1	6	6	9	3	2	14	17	4,5			5,35
1833	68,95	66,73	98	38	60	3,5	3		,5	5	5	8,5	5,5	21,5	9,5	3			3,13
1834	75,25	66,33	99	42	57	4	4		4	2	4,5	9	3,5	24	7				,80
1835	71,23	75,36	74	52	22		1,5	1,5	,5	1	9	13,5	4	19,5	11,5	6			1,70
1836	65,24	63,96	94	40	54		4		3	1,5	3,5	13	6	21,5	9,5	2			1,30
1837	69,79	67,70	96	46	50	3					7	15	6	15	16	4			2,65
1838	73,19	71,65	99	43	56	2	2,5	2,5	1			9,5	13,5	17	14	2			2,55
1840	66,34	71,59	96	48	48				1,5	4,5	11	14		18,5	12,5	3			2,30
1842	65,44	73,22	85	50	35	,5	7	1	9,5	2	6,5		4,5	11	20	3			4,23
Mean.	70,72	69,66				2,46	2,46	1,23	3,00	5,77	4,96	7,58	3,54	19,81	11,19				2,86
Total.						32	32	16	39	75	64,5	98,5	46	257,5	145,5				37,29
SEPTEMBER.																			
1828	66,79	64,97	96	40	56	7,5		2,5		12,5	1,5	5	1	16	14	7			4,88
1829	62,64	55,78	98	27	71	1	,5	2	,5	11,5	7,5	7		21,5	8,5	2			1,10
1830	66,95	60,01	90	28	62	9,5	,5	2,5	3	9	1	4	,5	20,5	9,5	1			1,50
1831	68,31	60,36	88	38	50	5	2	2	2	4	4,5	8	2,5	15	15	5,5			4,19
1832	62,33	65,43	94	36	58	,5	1		,5	4,5	7	9	2,5	19	11	3,5			1,51
1833	62,53	62,72	93	40	53	4	4,5		2	4	7	6	2,5	13,5	16,5	3,5			3,35
1834	64,57	62,16	89	25	64	1	1,5	,5	3	2	7,5	11	3,5	15	15	4,5			3,09
1835	62,17	54,07	90	31	59	2,5	3,5		2	1	2	9,5	9,5	18	12	4			1,72
1836	62,61	63,54	97	42	55	3	4		5	2	2	7	7	4	26	8			1,55
1837	63,67	55,66	87	37	50	1	8		2	2	10	7	7	20	10	3			2,65
1838	63,81	62,68	96	32	64	1	6	2	1	1	2,5	5,5	11	14,5	15,5	6,5			1,43
1840	68,86	56,11	84	38	46	3,5	3				4	13	6,5	17,5	12,5	3			2,10
1842	67,55	51,04	87	40	47		1		1		7		21	16,5	13,5	1			1,83
Mean.	64,83	59,58				3,04	2,73	,92	2,00	4,15	4,43	6,81	5,92	16,23	13,77				2,38
Total.						39,5	35,5	12	26	54	57,5	88,5	77	211	179				30,90
OCTOBER.																			
1828	53,44	47,54	81	22	59	4	,5	,5	,5	15	3,5	6	1	23,5	7,5	3			2,11
1829	51,69	49,48	77	17	60	3				20,5	1,5	6		22	9	2			1,98
1830	61,71	52,60	84	28	56	5	,5	3	1	19,5	,5	1,5		21,5	9,5	2,5			4,00
1831	54,12	56,60	84	33	51	1	3	4	2,5	3,5	6	8	3	20	11	3			7,26
1832	55,99	49,33	79	21	58	1	5,5	,5	3	2,5	11,5	4,5	2,5	12,5	18,5	4,5	,5		2,89
1833	56,06	46,87	78	22	56	7	4	1		1		12,5	5,5	12,5	18,5	5,5			8,48
1834	53,39	42,18	79	25	54	1,5	4		1		5,5	12	7	12,5	18,5	5,5			4,85
1835	50,51	57,35	83	28	55	2,5	6		4	3,5	5	7	3	15,5	15,5	3,5			1,75
1836	43,95	34,72	74	18	56		9,5				1,5	12,5	7,5	13,5	17,5	3	1		3,20
1837	42,85	49,18	87	22	65	6,5	5		3,5	1	7	3	5	19,5	11,5	4			2,00
1838	53,08	41,74	85	28	57	2,5	3	1		,5	3,5	10,5	10	15,5	15,5	5,5	,5		1,68
1840	52,79	41,93	70	26	44	1	7				6	8	9	9,5	21,5	7			3,60
1842	53,95	47,04	78	30	48	1,5	2		1,5	2	9	5	10	18,5	12,5	2,5			2,35
Mean.	52,58	47,44				2,81	3,84	,77	1,31	5,31	4,66	7,42	4,88	16,65	14,35				3,55
Total.						36,5	50	10	17	69	60,5	96,5	63,5	216,5	186,5				46,15

NOVEMBER.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow [Days.]	Rain gauge.
	First Half.	Second Half.																	
1828	47.89	39.03	70	19	51	7	2	1	5	10.5	5	7	1.5	12.5	17.5	10	1		3.95
1829	40.69	38.24	60	18	42	2.5		2.5		8	12.5	14.5		15.5	14.5	4	1		2.09
1830	49.73	45.33	71	20	51	20			1	5.5	1	2.5		15	15	8		5	7.93
1831	44.59	35.46	68	21	47	2.5	5	4	5	4.5	2.5	7.5	8	15	15	2.5	5		2.03
1832	43.13	40.34	64	12	52	1	5		1.5	1	11.5	3	7	13.5	16.5	5			2.32
1833	44.48	33.66	71	16	55	4	2				10.5	10	3.5	19.5	10.5	1.5	1.5		3.89
1834	40.60	36.78	58	18	40	2	12.5		1.5	5	2	4.5	7	8.5	21.5	6.5	5	5	2.10
1835	42.35	31.44	68	10	58		6.5		2.5		2	9	10	11.5	18.5	3.5	1		1.70
1836	36.92	33.68	60	18	42	5	3					9.5	17	9	21	4			1.09
1837	41.85	40.48	79	6	83	2	5			1	4.5	14.5	7.5	12	18	5	1.5		2.40
1838	41.86	30.00	67	7	60	3	3.5	5		1	5.5	12	4.5	17.5	12.5	2.5	1		2.85
1840	41.65	39.13	60	22	38	1.5	9.5			2	9	8		17	13	4	5		2.45
1842	40.31	26.89	60	13	47	6.5	5				5	14	8.5	19.5	10.5	3	1		2.45
Mean	42.77	36.19				4.04	3.50	.62	.57	2.46	3.46	9.00	6.35	14.31	16.69				2.87
Total						52.5	45.5	8	7.5	32	45	117	82.5	186	204				37.25

DECEMBER.

1828	41.43	32.10	56	11	45	3.5		4		12	4	7.5		21	10	2			4.45
1829	39.13	37.77	60	14	46	4		4		13.5	1	8.5		18.5	12.5	2	1		5.75
1830	37.15	32.32	58	6	52	8	1	5		8	1.5	10.5	1.5	12	19	4	5	1	3.75
1831	17.61	17.45	36	9	45	1.5	2	2	1	8.5	4.5	4.5	7	10.5	20.5		3.5	5	1.46
1832	35.34	33.18	50	6	44		5.5	5	2.5	2	8	3.5	9	11.5	19.5	4	1	1.5	4.18
1833	30.41	29.14	48	10	38	15	4			5	1	6	4.5	12.5	18.5	1	3.5		3.60
1834	37.72	26.07	52	0	52	10.5	1.5				1	10.5	7.5	9	22	1.5	4.5		3.10
1835	21.60	25.01	50	8	58	5			2	1	4.5	6	17	9.5	21.5	2.5	5	5	2.54
1836	27.78	22.49	60	4	64	5	1				5	12	12.5	13	18	5	5	1	1.85
1837	31.37	26.16	62	5	67	6	5		5		3.5	7.5	13	11	20	1.5	3		1.75
1838	24.04	19.75	42	10	52	2.5	3.5	1		5	8	11		24.5	6.5	5	1		1.35
1840	30.65	22.98	56	4	52		6.5	5		7.5	12	4.5		19.5	11.5	5	3.5		3.65
1842	28.14	27.86	46	12	34	4.5	3			7	8	8.5		17	14	1.5	1.5		2.70
Mean	39.95	27.09				4.35	2.19	.96	.46	3.50	4.12	8.04	7.38	14.58	16.42				2.36
Total						56.5	28.5	12.5	6	45.5	53.5	104.5	96	189.5	213.5				30.63

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.							Rain gauge, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gauge, Monthly mean.		
	First Half.	Seco'd Half.																						
January, --	26.79	24.01	70	-33	103	5.77	2.23	5	50	3.69	5.00	7.81	5.42	N 74 00'	44	13.17	14.84	16.16			2.72	57.36		
February, --	24.69	22.41	63	-25	88	3.11	3.35	54	69	2.65	5.00	5.85	7.07	N 70 56'	39	11.63	14.77	13.50			2.03	29.15		
March, ---	34.24	37.93	79	-6	85	3.23	4.32	79	1.13	4.82	5.00	6.75	4.93	N 87 41'	33	9.99	15.89	15.11			2.25	29.23		
April, ----	47.88	49.95	92	4	88	3.85	4.27	1.23	1.19	1.00	3.77	6.50	5.19	N 63 46'	27	8.24	15.88	14.12			2.78	38.27		
May, -----	54.92	61.83	97	20	77	2.06	4.37	1.34	1.78	5.18	5.07	5.07	5.30	N 58 27'	26	7.80	16.85	14.15			2.78	36.21		
June, -----	65.42	66.16	100	40	60	2.07	8.84	.88	2.59	7.59	2.36	5.58	4.58	N 53 14'	21	6.48	16.42	13.58			4.09	52.90		
July, -----	72.05	72.43	104	39	65	1.35	1.73	1.08	2.19	6.92	5.41	7.85	4.47	N 60 28'	43	12.82	19.12	11.88			3.32	50.89		
August, -----	70.72	69.06	99	38	61	2.46	2.46	1.23	3.00	5.77	4.36	7.58	3.54	N 61 17'	32	9.68	19.81	11.19			2.56	37.22		
September, -----	64.81	59.58	98	25	73	3.04	2.73	.92	2.00	4.15	4.43	6.81	5.92	N 87 20'	33	9.87	16.23	13.77			2.38	30.90		
October, -----	52.58	47.44	85	17	68	2.81	3.44	.77	1.31	5.31	4.66	7.42	4.55	N 86 43'	32	9.76	16.65	14.35			3.55	46.15		
November, -----	42.77	36.19	79	6	85	4.04	3.50	.62	.57	2.46	3.46	9.00	6.35	N 60 00'	45	14.33	14.81	16.69			2.57	37.25		
December, -----	30.95	27.09	62	-10	72	4.35	2.19	.96	.46	3.50	4.12	8.04	7.38	N 71 44'	46	13.94	14.58	16.42			2.36	30.63		
Mean, -----	48.82	48.47				3.25	3.23	.91	1.45	4.66	4.48	7.02	5.44	N 86 58'	38	9.83	16.69	13.75			2.91	57.34		

Highest degree, July 20, 1839. - - - - - 104°
 Lowest degree, January 4, 1835. - - - - - -33°
 Extreme range in 13 years. - - - - - - - 137°
 Greatest monthly range in January.
 Least monthly range in August.

Mean monthly range, 77°.
 Driest month, February.
 Wettest month, June.
 Total fall of rain and snow in 13 years, 37 feet 10.13 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1828	23.42	38.84	40.86	45.73	59.38	72.72	70.71	73.89	64.97	59.49	43.41	36.73	52.18	100	-5	105	68	January 24,	June 28,		
1829	26.64	21.96	33.24	46.82	63.67	66.79	69.94	71.63	59.21	50.58	39.46	35.43	40.08	92	-6	104	71	February 25,	Sept. 2,	September 12	November 26.
1830	26.98	27.29	39.00	53.93	63.71	65.58	75.52	74.32	63.48	57.15	47.53	34.73	52.63	104	-12	116	68	February 7,	July 20,	September 1	November 30.
1831	26.24	25.28	41.45	51.37	61.10	71.70	72.29	72.86	64.33	55.36	40.02	37.53	49.46	95	-9	107	59	January 21,	August 10,	November 3	November 22.
1832	27.10	26.99	39.65	46.24	54.71	66.89	71.10	67.13	63.87	52.66	41.79	34.26	49.36	99	-10	109	72	January 27,	June 11,	October 14	December 3.
1833	30.31	26.90	34.98	53.48	63.24	63.21	70.90	67.84	67.62	51.46	39.60	39.77	49.99	99	-7	106	74	February 2,	July 1,		November 30.
1834	23.17	29.35	48.59	51.31	55.56	56.33	76.53	76.79	63.36	57.14	46.18	39.16	101	0	101	64	December 14,	June 9,		November 23.	
1835	27.72	23.24	32.66	45.24	50.51	64.66	72.17	73.20	58.12	55.93	36.89	24.36	17.56	97	-33	130	97	January 4,	July 13,	September 30	October 12.
1836	22.14	17.76	26.09	41.74	60.93	64.29	68.75	64.60	63.02	39.33	35.25	25.11	44.25	97	-25	122	82	February 5,	Sept. 19,	August 30	November 12.
1837	17.83	24.23	39.85	42.72	54.07	63.28	67.96	68.74	59.60	46.01	41.16	28.76	53.44	95	-8	106	85	January 3,	June 30,	September 3	November 14.
1838	33.36	18.80	36.97	42.32	54.92	71.51	76.54	72.42	63.24	47.41	35.93	21.89	50.22	101	-10	111	74	December 31,	July 28,	September 4	November 2.
1839	19.02	34.11	39.91	47.97	57.03	63.61	74.41	67.46	62.48	47.86	40.29	26.81	48.38	99	-13	112	67	January 1,	August 12,	October 6	November 12.
1842	24.84	34.46	41.35	50.37	58.32	64.22	73.55	69.33	59.29	50.46	33.60	23.00	48.36	93	0	93	53	January 12,	July 13,	October 6	November 12.
Mean.	25.36	27.02	35.64	47.68	58.36	65.92	72.34	70.31	62.51	49.23	39.47	29.03	48.60								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1828	77.5	6	21.5	12.5	152	35.5	57	4	S 26 25' W	31	113.18	208.5	157.5	62	6	4
1829	47.5	6	27	9	178	25	71	1.5	S 22 48 W	44	161.87	233.5	131.5	54	12	
1830	106	7	29.5	8.5	128	19	71.5	4.5	S 59 32 W	18	65.73	244.5	120.5	35	4.5	1.5
1831	23	28.5	18	18	74.5	85	80	38	S 56 20 W	38	139.48	206.5	158.5	47	10	5.5
1832	8	52.5	15	50	56.5	92.5	33.5	58	S 36 24 W	24	88.37	173.5	192.5	47.5	8	6.5
1833	40	48	8.5	18.5	41	84	80	45	S 86 11 W	33	115.94	200.5	164.5	28	9	1
1834	43	62	4	20	33	43.5	76	83.5	N 56 47 W	34	124.09	188	177	10	2.5	
1835	29.5	46	3	28	15.5	40.5	101.5	101	N 64 34 W	44	161.92	193	172	43	7	4.5
1836	23	62	1	8.5	7.5	45.5	109	109.5	N 59 31 W	63	195.07	162.5	203.5	53	15	2.5
1837	22.5	34.5	2	10.5	7	48.5	126.5	113.5	N 69 16 W	61	221.59	171	194	42.5	12	
1838	27	50.5	13.5	10.5	11	43.5	100	109	N 59 8 W	47	172.14	185	180	34.5	12	1.5
1839	25.5	49.5	4.5	5.5	13.5	62.5	125	80	N 73 13 W	52	190.49	185	181	41.5	12	
1842	34.5	52.5	3.5	26	9.5	74.5	65	99.5	N 64 33 W	39	142.90	188.5	176.5	32	9	1
Mean.	39.00	38.85	10.92	17.35	55.92	53.81	84.41	65.15	N 62 30' W	36	132.78	195.38	169.92			
Total.	507	505	142	225.5	727	699.5	1096	847				2540	2209			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1828	1.56	2.57	2.66	3.35	2.60	4.77	8.64	2.88	4.88	2.11	3.95	.45	40.36	December.	July.
1829	4.00	3.62	2.49	5.25	1.25	2.73	4.13	2.06	1.10	1.93	2.09	.75	81.45	December.	April.
1830	2.80	1.74	3.04	3.72	2.30	5.39	3.22	1.60	1.50	4.00	7.93	8.75	40.99	September.	November.
1831	3.39	1.84	2.63	5.63	1.34	4.32	4.39	6.14	4.19	7.26	2.03	1.46	44.62	May.	October.
1832	3.64	4.68	2.62	2.27	4.76	2.29	4.08	5.35	1.51	2.89	2.32	4.18	40.74	September.	May.
1833	.95	1.00	1.65	1.55	2.90	4.01	1.53	3.13	3.35	8.45	5.89	3.60	36.34	January.	October.
1834	1.40	1.45	2.35	1.75	3.45	6.93	2.86	.80	3.09	4.25	2.10	3.10	33.53	August.	June.
1835	4.25	1.37	1.70	3.35	1.35	1.25	3.65	1.70	1.72	1.55	1.70	2.54	26.33	June.	January.
1836	3.14	2.19	1.09	1.00	3.35	6.30	5.25	1.30	1.65	3.20	1.09	1.35	29.81	April.	June.
1837	1.80	2.10	1.85	1.70	4.10	5.44	5.25	2.65	1.65	2.40	1.75	1.75	33.69	April.	June.
1838	2.40	2.05	2.45	2.00	2.45	4.20	2.20	2.55	1.42	1.65	2.85	1.35	27.61	December.	June.
1839	4.05	3.10	2.90	3.95	3.55	3.05	1.40	2.30	2.10	3.60	2.45	3.65	36.50	July.	January.
1842	1.98	2.39	2.46	2.45	2.31	2.52	3.39	4.23	1.83	2.35	2.45	2.70	32.36	September.	August.
Mean.	2.72	2.23	2.25	2.94	2.78	4.07	3.92	2.86	2.38	3.55	2.87	2.36	34.93		
Total.	35.36	29.05	29.23	33.27	36.21	52.90	50.89	37.29	30.90	41.5	37.25	40.63	454.18		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1828	7	24	7	12	28	5	28	4	17	21	28	9	25	14	25	18	1	26	8	20	4	18	9	31
1829	7	8	9	24	29	1	29	6	23	8	17	25	22	2	8	29	1	28	25	22	18	11	7	23
1830	2	30	21	7	30	9	30	11	5	17	17	21	20	12	7	13	8	17	11	26	17	30	31	22
1831	5	21	1	5	24	17	19	28	31	9	19	23	22	11	10	29	10	30	25	29	14	30	25	31
1832	19	27	12	16	12	18	13	5	18	24	15	5	7	11	5	26	18	13	4	29	1	15	8	23
1833	5	19	18	1	31	2	29	13	19	9	23	10	1	3	31	29	6	12	1	31	8	26	5	14
1834	17	6	22	12	19	30	16	27	22	13	9	17	26	30	12	19	4	29	2	31	5	16	1	14
1835	26	4	13	8	31	5	10	14	19	14	3	30	18	1	3	21	5	30	19	11	16	29	26	16
1836	13	16	24	5	28	3	26	6	21	14	18	1	1	26	8	31	19	1	2	31	22	26	10	28
1837	31	3	24	18	17	2	30	2	31	1	30	19	8	10	2	31	9	26	24	28	21	26	1	21
1838	4	31	8	17	15	1	22	20	21	1	10	8	28	22	6	14	7	8	2	31	8	25	1	31
1840	30	1	23	5	4	24	25	1	18	15	27	7	12	20	12	13	2	18	3	30	1	14	15	28
1842	19	13	4	17	19	7	25	28	17	20	30	11	13	30	19	1	12	23	1	30	6	29	4	28

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1828	51	-5	61	13	79	11	68	27	88	39	100	48	98	54	98	46	96	40	81	22	70	19	56	11
1829	58	0	49	-6	66	11	86	30	97	36	97	42	96	48	94	45	98	27	77	17	60	18	60	14
1830	49	-1	56	-12	72	8	85	28	82	35	97	43	104	50	96	48	90	28	84	28	71	29	58	6
1831	54	-2	50	-9	70	18	76	30	94	36	92	48	90	50	98	42	88	38	84	33	68	21	36	-9
1832	50	-10	52	-2	78	8	84	12	88	38	99	40	98	54	88	43	94	36	79	21	64	12	50	6
1833	70	0	47	-7	68	-6	92	29	84	45	88	43	99	51	98	38	93	40	78	22	71	16	48	10
1834	40	1	48	15	56	30	89	29	90	30	96	40	101	52	99	42	89	25	79	25	58	18	52	0
1835	64	-33	46	-7	63	3	74	25	94	39	97	44	96	45	74	52	90	31	83	28	68	10	50	-8
1836	44	-27	57	-25	62	-6	80	4	92	28	94	41	96	50	94	40	97	42	74	18	60	18	60	-4
1837	48	-8	62	-3	54	-6	79	24	88	20	98	43	94	45	96	46	87	37	87	22	79	-6	62	-5
1838	63	4	57	-5	68	-6	81	18	90	28	95	49	101	45	99	43	96	32	85	28	67	7	42	-10
1840	54	-13	63	5	72	14	83	29	94	32	94	43	99	49	96	48	84	38	70	26	60	22	56	4
1842	58	0	63	6	72	21	78	24	81	32	86	40	93	38	85	50	87	40	78	30	60	13	46	12
Highest.	70		68		79		92		97		100		104		99		98		87		79		62	
Lowest.		-33		-25		-6		4		20		40		38		38		25		17		-6		-10
Range.		103		93		85		88		77		60		66		61		73		70		85		72

SUMMARY OF OBSERVATIONS AT MOUNT PLEASANT ACADEMY,

MOUNT PLEASANT, WESTCHESTER COUNTY, N. Y., DURING TWELVE YEARS.

Latitude N. 41° 09'; Longitude W. 73° 47'. Elevation above tide 125 feet. On the east side of the valley of the Hudson,
125 feet above its level.

OBSERVERS.

1831, SAMUEL I. PRIME, Assistant Teacher.
1832, S. I. and E. D. G. PRIME, Teachers.
1834, EDWARD D. G. PRIME, Teacher.
1835, ALBERT WELLS, Principal, and E. D. G. PRIME, Teacher.
1837, ALBERT WELLS, Principal, and E. WELLS, Teacher.

1838, ALBERT WELLS, Principal.
1839, N. H. WELLS, Teacher.
1840, '41, ALBERT WELLS, Principal, and Rev. N. H. WELLS.
1842, ALBERT WELLS and MARLBOROUGH CHURCHILL, Principals.
1843, '44, MARLBOROUGH CHURCHILL, Principal.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1831	27,34	19,56	55	0,55	8	1				2	1,5	6	12,5	15,5	15,5	2	5		2,87
1832	29,10	27,10	53	— 1,54	4,5	1,5	1			8	3	5	8	16,5	14,5	3	2,5	,5	4,31
1834	25,10	27,48	57	4,53	1	4		,5	,5	2,5	5,5	,5	16,5	18,5	12,5	3,5	1	,5	1,74
1835	14,87	39,55	52	— 8,60	9,5	1		,5	5	1,5	,5	1	12	24,5	6,5	3			4,51
1837	24,71	28,78	49	0,49	7	2,5				1,5	6	1	13	14,5	16,5	,5	3,5	,5	1,84
1838	36,39	32,44	57	10,47	3	1			2,5	9,5	6	3,5	5,5	14,5	16,5	2	1	1	1,10
1839	32,58	24,84	56	— 8,64	7,5	3			2,5	5	5,5	,5	7	19	12	2	2,5	,5	1,65
1840	20,44	22,98	41	— 3,44	4			,5	,5	3,5	3		19,5	18,5	12,5	1,5	3	5	,76
1841	31,49	32,71	50	2,48	4,5	15,5			1	1	1,5	2,5	5	9,5	21,5	9	5	2	4,50
1842	29,30	33,92	50	6,14	2,5			2,5		9,5	8	2,5	6	19	12	4	7	1	1,88
1843	33,81	33,54	56	14,12	3			,5	,5	2,5	3,5	3,5	2,5	15	15,5	15,5	6	3	,46
1844	26,24	16,78	45	— 2,47	7			,5	1	2	3	1	3	13,5	14	17	5	5	,24
Mean.	27,61	28,31				5,12	2,79	,30	1,38	4,21	3,75	2,33	11,12	16,62	14,38				2,15
Total						61,5	33,5	3,5	16,5	50,5	45	28	133,5	199,5	172,5				25,86

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1831	20,43	29,33	45	6,39	6			1		3,5	3	5,5	9	21	7	2	,5	,5	1,92
1832	31,28	27,97	58	7,51	4	3				6,5	5		10,5	13,5	15,5	6,5	2	1,5	3,72
1834	33,53	36,55	55	8,47	,5	7		,5	1	11,5			7,5	15	13	3	1		,93
1835	19,28	32,16	52	2,50	2	8			1,5	3	1,5	2	10	18,5	9,5	1	2,5	1	2,30
1837	30,06	32,88	50	0,50	2,5	7,5				1,5	8,5	1	7	15	13	1,5	1,5	1	,91
1838	26,23	19,35	57	6,51	5	,5			1	2	3	2	14,5	16	12	1	2,5		1,59
1839	25,59	38,45	53	4,49	6	5,5	,5		5	3	,5	,5	7	13,5	14,5	3,5	2		,28
1840	29,27	43,22	67	2,69	5	,5			2,5	9,5	3		8,5	14,5	14,5	4	1,5		,20
1841	24,16	31,49	46	4,42	10,5	3				2	2,5	5	7,5	16	12	1	4		1,35
1842	39,11	32,65	60	12,48	2,5	2			1,5	13	2,5	1	5,5	17	11	8	2	2	3,66
1843	23,04	23,43	47	2,45	4,5	1,5		,5	4	2,5	1	2	12	14,5	13,5		8	1	,65
1844	24,63	31,38	47	3,44	6,5			,5	2,5	7	1,5	1,5	9,5	13,5	15,5	2	7		,51
Mean.	27,22	31,57				4,58	3,21	,25	1,58	5,42	2,67	1,50	9,04	15,67	12,58				1,50
Total.						55	38,5	3	19	65	32	18	108,5	188	151				18,02

MARCH.

1831	40,18	42,11	62	21	41	1,5	,5	2		10	4	7,5	5,5	15,5	15,5	5,5		,5	2,64
1832	39,48	39,36	68	12	56	2	1		1,5	15,5		,5	10,5	17,5	13,5	5,5		,5	4,80
1834	38,03	39,35	67	20	47			1	2	4,5	14		9,5	21,5	9,5	3	,5	,5	1,45
1835	30,19	39,33	57	5	52	1	4,5	1	2	11,5		2	9	22	9	2	2	1	2,96
1837	33,71	40,64	56	10	46	11,5	6	1	,5	2,5	5	1,5	3	17	14	5,5	,5		5,32
1838	38,03	40,59	66	12	54	15,5	4,5	1,5	1,5	1	1,5	,5	5	16	15	1	3	,5	1,29
1839	34,72	43,43	67	8	59	4,5	2,5		2	9	2,5		10,5	20	11	2,5	1	,5	1,07
1840	40,27	41,20	71	14	57	4	3		3,5	8,5	2		10	18	13	3,5	2	,5	2,16
1841	34,04	41,06	70	17	53	6,5	4	,5	1,5	5	3	5	5,5	18,5	12,5	2	6	1	2,08
1842	43,22	42,57	70	18	52	6	3,5			11	1,5		9	13,5	17,5	7	3	1	1,98
1843	25,96	30,03	46	11	35	2	2,5	,5	2,5	3,5	2	3	15	18	13	3	6	2	3,08
1844	38,11	36,26	62	19	43	5	3	1	6	3,5	1,5		11	12,5	18,5	12	3	3	1,82
Mean.	36,33	39,66				4,96	2,92	,71	1,92	7,12	3,08	1,68	8,61	17,50	13,50				2,55
Total.						59,5	35	8,5	23	85,5	37	20	103,5	210	162				30,65

APRIL.

1831	47,99	51,78	74	32	42	4	1,5	2	2	7,5	5,5	4	3,5	13	17	6			3,92
1832	43,16	46,27	77	15	62	1,5	4,5	2	,5	5	3,5	2,5	10,5	18,5	11,5	8,5			3,30
1834	50,07	49,11	78	30	48	5	4	2	2,5	1,5	8	,5	6,5	15	15	9,5	1		3,35
1835	46,54	45,27	69	28	41		3		6	6	3		12	14,5	15,5	7,5			4,94
1837	46,25	50,37	78	31	47	7	,5		2,5	3,5	1,5	2	13	13,5	16,5	2,5			4,26
1838	42,98	44,80	72	28	44	5,5	3		1,5	5,5	4,5	1,5	8,5	15,5	14,5	3	1		1,16
1839	50,71	51,70	76	29	47	5	1,5	1	5	5,5	2	,5	9,5	20	10	4			4,69
1840	47,64	56,54	79	25	44	3	,5		2,5	13,5	2,5	,5	7,5	22	8	3,5	,5		4,54
1841	42,91	49,52	69	25	44	4	5,5		1,5	2,5	1	1,5	14	12,5	17,5	11	2		2,95
1842	47,38	50,56	75	22	53	3,5	3,5	2,5	2	6	3,5	4	5	17	13	9			4,42
1843	40,30	51,89	72	27	45	1,5	5,5	,5	7,5	1,5	2,5	1,5	9,5	14,5	15,5	10		2	4,52
1844	51,84	56,61	81	25	56	4	1,5	1,5	6	12,5	1,5		3	15,5	14,5	9			,85
Mean.	46,48	50,37				3,67	2,87	,96	3,30	5,87	3,25	1,54	8,54	15,96	14,04				3,58
Total.						44	34,5	11,5	39,5	70,5	39	18,5	102,5	191,5	168,5				42,90

OBSERVATIONS AT MOUNT PLEASANT ACADEMY.

MAY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1831	56,67	70,05	93	35	58	,5	2,5	3,5	1,5	9,5	6	1,5	6	17	14	6			2,79
1832	56,06	55,13	78	37	41	1	4,5		6	9	,5	1,5	8,5	18	13	8			3,75
1834	50,88	62,70	86	30	56	3,5	1,5	3,5	2	7,5	6,5		6,5	21	10	6,5			5,54
1835	52,52	63,64	88	40	48	,5	2,5	,5	4,5	9	6	1	7	22,5	8,5	4			1,77
1837	55,22	58,87	84	27	57	6,5	3	4,5	3	7,5	3		3,5	15,5	15,5	5			5,75
1838	52,76	62,96	85	40	45	7	1,5		3	14,5	3,5	,5	1	15,5	15,5	7,5			2,90
1839	56,94	62,94	85	36	49	3	5		6	4	4		9	11,5	19,5	6,5			5,11
1840	53,87	65,16	91	36	55	1	7	,5	1,5	11,5	2,5		7	20,5	10,5	3,5			3,03
1841	48,46	63,17	83	30	53	1,5	1,5	,5	2,5	9,5	3	2	10,5	17	14	13			2,35
1842	52,60	57,15	73	38	35	1	3	1	4,5	4	4	3,5	10	17	14	13			4,89
1843	54,54	57,10	82	38	44	7,5	,5	1	6	7	,5	1	7,5	15	16	7			1,18
1844	61,17	63,30	82	39	43	2	1		6	6,5	5	2	8,5	14,5	16,5	14			4,55
Mean.	54,36	61,85				2,92	2,79	1,25	3,88	8,29	3,71	1,08	7,08	17,08	13,92				3,63
Total.						35	33,5	15	46,5	99,5	44,5	13	85	205	167				43,61

JUNE.																			
1831	72,45	69,10	94	46	48	2	1,5	1	5	11	7,5	,5	1,5	20	10	5			3,44
1832	62,69	69,48	90	50	40	4	1,5	2	5	10,5	3	,5	3,5	21,5	8,5	7,5			2,20
1834	64,35	67,00	87	48	39	2	2	3,5	2	8	1,5	1,5	9,5	18	12	8			6,03
1835	69,46	66,01	90	48	42	2	1,5	2	4	5,5	4,5	1,5	9	22,5	7,5	4,5			1,48
1837	67,27	66,69	86	53	33	8,5	3,5	2,5	2,5	5,5	1,5	,5	5,5	9,5	20,5	8			4,24
1838	73,73	72,67	95	58	37	5	,5		4	12	4,5		4	18	12	9			4,37
1839	64,02	68,20	87	48	39	1	2		2,5	9	11,5	,5	3,5	16	14	8,5			3,66
1840	65,69	70,47	90	45	45	7,5	3,5	1	2,5	7	5	,5	3	19	11	5			3,37
1841	69,01	71,39	93	51	42	2	2		3	15	6		2	20,5	9,5	8			3,63
1842	59,37	69,42	88	40	46	2	,5	2,5	8	8	3,5	3	2,5	15,5	14,5	12			3,12
1843	62,53	69,55	87	37	50	3	,5		4,5	11	3		8	21	9	9			2,09
1844	63,32	70,57	88	47	41	4			4,5	10,5	2,5	,5	8	20	10	13			,67
Mean.	66,16	69,22				3,58	1,58	1,21	3,96	9,42	4,50	,75	5,00	18,46	11,54				3,14
Total.						43	19	14,5	47,5	113	54	9	60	221,5	138,5				37,70

JULY.																			
1831	65,16	74,25	89	48	41	3,5			1,5	17	4	3	2	20	11	6,5			5,66
1832	69,19	70,21	91	54	37	3,5	2	2	,5	11,5	6,5	1	4	21	10	8			3,65
1834	75,03	73,70	94	54	40		2	5	1	12,5	6	,5	8,5	21,5	9,5	7			7,07
1835	66,86	72,64	90	52	38	1	1		6	7	7,5		8,5	22,5	8,5	5,5			4,05
1837	69,76	70,37	88	54	34	9	1	,5	4,5	12,5		1	2,5	15	16	5,5			3,04
1838	79,94	76,58	100	58	42	5	2	,5	1,5	9	4,5	2	6,5	23	8	2			1,26
1839	71,43	76,37	91	56	35	,5			2	6,5	12	,5	9,5	15,5	15,5	10			7,23
1840	71,91	74,51	92	58	34	,5	6	,5	2	8,5	6	2	5,5	19,5	11,5	6			2,01
1841	70,48	72,65	94	52	42	2,5		2	,5	8,5	6	4	7,5	23,5	7,5	7			3,75
1842	71,09	71,10	93	50	43	3,5	2,5		8,5	6,5	5,5	2	2,5	20	11	10			5,96
1843	70,03	71,26	90	53	37	6	1,5	,5	6	6	3,5	,5	7	17,5	13,5	15			3,21
1844	71,53	68,88	83	50	33	7	1		3,5	9,5	2,5	1	6,5	18	13	13			5,93
Mean.	71,03	72,71				3,50	1,58	,55	3,12	9,58	5,33	1,46	5,88	19,75	11,25				4,46
Total.						42	19	6,5	37,5	115	64	17,5	70,5	237	135				53,52

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1831	72,30	70,51	92	53	39	1,5	2,5	,5	1	12,5	2,5	5	5,5	21,5	9,5	5			4,99
1832	72,49	66,81	85	50	35		2	1	4	11,5	5	1	6,5	18	13	11			9,51
1834	75,29	66,03	91	53	38	,5	1,5		1	12	6,5		9,5	26,5	4,5	2			,35
1835	69,50	68,47	85	50	35	2	,5		8,5	2,5	6	,5	11	22	9	6			3,71
1837	71,53	68,27	89	52	37	2,5	3	1	5,5	7	4	2	6	18	13	4,5			,99
1838	76,57	72,75	97	51	46	12	1,5		3	7,5	3,5		3,5	20,5	10,5	3,5			1,91
1839	70,64	69,69	87	49	38	3,5	8		2,5	8,5	3		5,5	16	15	8,5			4,54
1840	72,66	73,99	92	56	36	1,5	1,5		6,5	10,5	6	1	4	21	10	6			2,92
1841	72,94	71,14	87	54	33	3,5	4,5	,5	2,5	16,5	2		1,5	15,5	15,5	11			3,95
1842	66,86	70,77	84	49	35	2,5	,5	5,5	10	2,5	1,5	1,5	7	13	18	13			7,06
1843	69,82	72,31	80	60	20	6,5	,5		7	8	2	3,5	3,5	16	15	12			7,12
1844	76,54	66,85	83	54	29	3	1	2,5	5	3,5	7,5	,5	8	20	11	12			2,44
Mean.	72,26	69,79				3,25	2,25	,92	4,71	8,54	4,12	1,25	5,96	19,00	12,00				4,12
Total.						39	27	11	56,5	102,5	49,5	15	71,5	228	144				49,49
SEPTEMBER.																			
1831	67,96	54,84	84	40	44	5	1	2,5		4,5	9,5	4,5	3	17	13	5,5			4,98
1832	60,96	63,84	81	41	40	8	1	,5	2	4,5	6	2,5	5,5	22	8	3			2,65
1834	64,81	62,11	82	34	48	2,5	3,5	1	2,5	7	2		11,5	18,5	11,5	5			4,25
1835	63,34	56,98	80	38	42		5,5	,5	2	2	16		4	16,5	13,5	,5			,97
1837	62,59	60,18	84	41	43	11	5	1	3	7	1,5		1,5	18	12	3			1,35
1838	65,45	63,32	84	43	41	7	5,5	1	,5	5,5	2	,5	8	18	12	5			4,63
1839	65,57	60,95	85	40	45	5,5	3	1	3,5	2,5	9,5	1,5	3,5	17,5	12,5	7,5	,5		5,63
1840	63,69	58,34	82	41	41	7	2,5		2	6,5	4,5	2	5,5	17,5	12,5	10			2,50
1841	69,06	64,38	85	45	40	6	1	1	1,5	10	6,5		4	15,5	14,5	6			2,15
1842	64,51	53,66	84	35	49	5,5	5		1,5	3	4,5		10,5	16,5	13,5	9			4,31
1843	64,91	64,54	84	43	41	8	4,5	1	4	5,5	3	2,5	1,5	17	13	10			2,23
1844	66,57	58,19	81	40	41	6	2,5	,5	5	5	1	1	9	24,5	5,5	5			1,58
Mean.	64,95	60,11				5,96	3,33	,83	2,29	5,25	5,50	1,21	5,63	18,21	11,79				3,10
Total.						71,5	40	10	27,5	63	66	14,5	67,5	218,5	141,5				37,23
OCTOBER.																			
1831	55,91	53,15	78	30	48	4,5	4,5		2	4	10,5	2,5	3	17	14	6,5			5,88
1832	51,26	48,11	73	28	45	2,5	3	,5	1,5	2,5	9,5	1	10,5	22	9	4			2,67
1834	53,82	45,06	76	28	48	1	3	,5	1,5	2,5	4,5		18	16,5	14,5	6			2,89
1835	52,58	56,04	74	34	36	3	,5	,5	7	10	2,5	,5	7	19	12	2,5			2,15
1837	50,29	50,56	73	27	46	6,5	3	1,5	6	3,5	2	2	6,5	22	9	4,5			2,16
1838	54,60	43,58	75	29	46	5	2,5		3,5	5	3,5	,5	11	17,5	13,5	6,5			3,50
1839	55,24	52,01	73	27	46	6,5	1		3,5	10	6		4	19,5	11,5	3			1,13
1840	55,51	48,28	72	30	42	5,5	3,5	,5	3	9	2,5		7	15	16	9,5			5,43
1841	49,21	43,92	66	27	39	5,5			1	6	5,5	2,5	10,5	19	12	4			3,37
1842	52,13	47,67	70	33	37	4	3,5		4	2	5,5	1	11	24	7	4			3,41
1843	52,27	43,72	67	31	36	3,5	1	,5	4	4	4,5	2	11,5	15	16	10	1		2,86
1844	51,53	48,65	76	33	43	1,5	8		5	3	1	1,5	11	16,5	14,5	7			3,14
Mean.	52,86	48,39				4,08	2,78	,32	3,50	5,11	4,82	1,15	9,24	18,58	12,42				3,22
Total.						49	33,5	4	42,5	61	57,5	13,5	111	223	149				38,59

NOVEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1831	44,54	37,31	60	24	36	2,5	3,5	1		,5	1,5	,5	20,5	20,5	9,5	2,5	,5	1	2,37
1832	43,43	41,88	60	18	42		1			6,5	2,5	6	14	18,5	11,5	5			4,20
1834	41,85	37,18	57	24	33	6,5	2,5		2	2	5,5	1,5	10	13	17	6			2,07
1835	50,21	40,54	79	20	59	,5	12,5	,5	2,5	1,5	9	,5	3	9,5	20,5	2,5	1		3,35
1837	43,04	40,84	68	11	57	9,5	1		1	7	3,5	3	5	17,5	12,5	1,5	1,5		2,36
1838	43,91	34,14	65	9	56	7	2		2,5	3,5	4,5	,5	10	15,5	14,5	4,5	1,5		3,50
1839	42,63	35,73	63	13	50	10	2		2,5	4,5	1		10	13,5	16,5	3	1		2,66
1840	45,52	38,81	59	28	31	6,5	4,5		1	3,5	4	4	6,5	15,5	14,5	4,5	,5	,5	1,01
1841	42,59	35,95	67	20	47	5	5	1,5	2,5	3	4	1,5	7,5	13,5	16,5	6	1	2	2,79
1842	42,21	30,89	56	19	37	4,5	5,5	1	1	3	1	1,5	12,5	19	11	6		1	2,20
1843	34,51	39,43	56	22	34	8,5	2	,5	1	2	3,5	2,5	10	15	15	8	3	2	,50
1844	43,76	35,03	56	21	35	1	6		3,5	2,5	2,5	2	12,5	13,5	16,5	9	4		,37
Mean.	43,18	37,31				5,12	3,96	,38	1,63	3,20	3,54	1,96	10,12	15,38	14,82				2,28
Total.						61,5	47,5	4,5	19,5	39,5	42,5	23,5	21,5	184,5	175,5				27,38

DECEMBER.																			
1831	20,66	20,64	40	1	39	5	,5		1	2	3,5	1,5	17,5	15	16		3,5	,5	,90
1832	37,33	30,49	50	10	40	5,5	3	1,5	,5	3	1,5	2,5	13,5	14	17	7	1,5		4,10
1834	34,08	28,03	53	1	52	4	1,5			,5	7	1	17	14	17	2	2,5		3,50
1835	29,43	30,29	48	4	52	3,5	4,5	2		5	11	1	4	12	19	2	2		2,31
1837	34,24	29,40	57	8	49	6,5	2		3,5	3,5	3	3,5	9	14,5	16,5	1	3,5		1,01
1838	31,47	24,98	50	7	43	5,5	2		1	5,5	3,5		13,5	14,5	16,5		3		1,00
1839	41,09	24,49	56	6	50	10	7,5		1	2			10,5	13	18	3,5	6	,5	5,50
1840	32,87	28,42	51	15	36	4,5	1,5		1	3,5	8,5	3,5	8,5	15,5	15,5	,5	4,5	1	2,91
1841	38,62	26,89	50	7	43	2,5	1,5	,5	6	1	4,5	1	14	11	20	5	3	1	4,33
1842	31,40	27,58	44	11	33	1	2	2	1,5	1	3	9,5	11	12,5	18,5	3	5	1	2,17
1843	27,34	33,73	46	6	40	5	2,5	,5	5	4	1	1	12	14	17	5	5	3	,36
1844	32,59	30,31	50	19	41	2	2,5		6	,5		,5	19,5	17	14	6			1,21
Mean.	32,59	27,04				4,58	2,59	,54	2,21	2,46	4,03	2,09	12,50	13,92	17,08				2,44
Total.						55	31	6,5	26,5	29,5	48,5	25	150	167	205				29,30

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.	
	First Half.	Seco'd Half.																					
January. -	27.61	25.81	57	- 8	65	5.12	2.79	.30	1.38	4.21	8.75	2.38	11.12	N 53° 26'	W 38	11.42	16.62	14.38				2.15	25.86
February. -	27.22	21.57	67	0	67	4.58	3.21	.25	1.58	5.42	2.67	1.50	9.04	N 51° 55'	W 26	7.81	15.67	12.58				1.50	18.02
March. ---	36.38	39.66	71	5	66	4.96	2.92	.71	1.92	7.12	3.05	1.68	3.71	N 66° 35'	W 21	6.39	17.50	13.50				2.55	30.65
April. ---	46.48	50.37	81	15	66	3.67	2.87	.96	3.30	5.87	3.25	1.54	5.54	N 74° 42'	W 16	4.71	15.96	14.06				3.66	43.90
May. ---	54.36	61.85	93	27	66	2.92	2.79	1.25	3.88	8.29	8.71	1.07	7.08	S 36° 05'	W 15	4.56	17.08	18.92				3.62	43.61
June. ---	66.16	69.22	95	37	58	3.58	1.57	1.21	8.96	9.42	4.50	.75	5.00	S 24° 29'	W 26	7.86	15.46	11.54				3.14	87.70
July. ---	71.03	72.71	94	48	46	3.50	1.58	.55	3.12	9.58	5.38	1.46	5.38	S 89° 09'	W 29	8.74	19.75	11.25				4.46	53.52
August. ---	72.26	69.79	97	49	48	3.25	2.55	.92	4.71	8.54	4.12	1.25	5.96	S 27° 32'	W 44	13.17	19.00	12.00				4.12	49.49
September.	64.95	60.11	85	34	51	5.96	8.33	.83	2.29	5.25	5.50	1.21	5.63	N 70° 19'	W 15	4.54	18.21	11.79				3.10	37.23
October. ---	52.86	45.39	73	27	51	4.08	2.78	.82	3.50	5.11	4.82	1.15	9.24	N 75° 55'	W 22	6.69	18.58	12.42				3.22	38.59
November.	43.18	37.31	70	9	61	5.12	3.96	.37	1.63	3.29	3.51	1.96	10.12	N 41° 51'	W 36	19.92	15.38	14.62				2.28	27.38
December.	32.57	27.94	56	- 4	60	4.58	2.59	.54	2.21	2.46	4.03	2.09	12.50	N 67° 05'	W 35	10.66	13.92	17.08				2.44	29.30
Mean. ---	49.58	49.77				4.28	2.72	.67	2.79	6.21	4.02	1.49	8.23	N 79° 52'	W 19	5.68	17.17	12.27				8.02	36.25

Highest degree, August 25, 1838. - 97°
 Lowest degree, January 23, 1838. - 8°
 Extreme range in 12 years. - 105
 Greatest monthly range in February.
 Least monthly range in July.

Mean monthly range, 58°.
 Driest month, February.
 Wettest month, July.
 Total fall of rain and snow in 12 years, 86 feet 3,25 inches.

OBSERVATIONS AT MOUNT PLEASANT ACADEMY.

305

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1831	23.46	24.88	41.14	49.88	60.86	70.77	62.70	72.65	61.40	54.53	41.42	29.65	48.69	94	0	91	58	January 21,	August 21,		November 21.
1832	25.11	29.02	39.92	44.71	56.55	66.08	69.70	69.61	62.40	49.68	42.65	33.91	49.33	91	-1	92	62	January 27,	July 2,	October 15,	December 13.
1833	26.25	35.03	48.69	59.59	56.19	65.67	74.36	70.66	63.46	49.44	39.51	31.05	50.05	94	1	93	56	December 14,	July 25,		December 18.
1835	27.21	35.72	44.76	45.99	58.09	67.73	69.75	68.98	60.16	54.31	45.37	29.86	45.98	90	-2	95	60	January 4,	July 14,	August 4,	November 22.
1837	26.74	31.37	37.17	48.31	57.01	69.9	70.06	9.90	61.38	50.42	41.94	31.82	45.27	89	0	89	57	February 13,	August 2,	October 5,	November 14.
1838	34.41	22.79	33.31	38.89	7.84	53.20	78.26	74.56	64.38	49.09	39.02	28.02	28.23	100	6	96	56	February 3,	July 10,	October 8,	November 18.
1839	28.71	22.02	39.08	51.29	59.91	66.11	78.00	70.17	63.26	53.62	49.15	32.79	50.83	91	-8	99	64	January 23,	July 20,	October 1,	November 10.
1840	31.71	25.21	40.73	52.19	9.50	68.0	73.21	73.32	61.01	51.59	42.16	30.65	50.88	92	-3	95	69	January 1,	August 23,		November 18.
1841	32.10	27.82	37.55	46.21	55.81	70.20	71.56	72.04	66.72	46.56	39.27	32.75	49.88	94	12	82	53	February 12,	June 30,	October 1,	November 8.
1842	31.61	35.88	42.89	48.97	1.87	64.39	71.10	68.81	59.08	49.90	36.55	29.49	49.46	93	12	87	53	January 18,	July 27,	November 3,	November 16.
1843	33.68	33.22	27.99	46.09	55.82	66.04	70.64	71.01	64.72	47.99	36.97	30.53	47.89	90	12	88	50	December 13,	July 1,	September 27,	October 23.
1844	21.51	25.00	27.19	33.22	62.24	66.94	70.24	71.69	61.88	50.69	39.39	31.45	49.48	88	12	90	56	January 27,	June 27,	September 8,	November 24.
Mean	27.06	29.39	38.03	48.34	57.87	67.68	71.21	71.12	67.49	50.68	40.29	30.25	47.41								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1831	44	19	13.5	14	84	59	42	89.5	S 82° 18' W	30	111.17	213	152	52.5	9.5	2.5
1832	36.5	28	10.5	21.5	94	46	24	105.5	S 83 03 W	24	86.26	221	145	77	6	2.5
1834	26.5	32.5	13	18	72	67	5.5	130.5	S 86 03 W	26	96.67	219	146	61.5	6	1
1835	25	45	7.5	49	64.5	67.5	10	96.5	S 67 38 W	15	56.22	226	139	41	7.5	2
1837	88	38	12	32	62.5	39.5	17.5	75.5	N 39 33 W	16	58.61	190	175	47.5	10.5	1.5
1838	82.5	26.5	3	25.5	80.5	44.5	11.5	91	N 62 13 W	21	76.34	204.5	160.5	45	12	1.5
1839	63	41	2.5	38	67.5	59.5	5	89.5	N 70 96 W	15	55.29	195	170	62.5	12.5	2
1840	50	34.5	2.5	23.5	95	49.5	13.5	92.5	S 81 11 W	19	67.65	216.5	149.5	57.5	12	2.5
1841	54	43.5	6.5	23.5	80	45.5	22.5	89.5	N 72 42 W	19	68.16	192	173	83	21	6
1842	38.5	34	14.5	42.5	69.5	44	29.5	92.5	S 87 18 W	15	57.50	204	161	98	17	6
1843	59	23	6	54	58.5	30	21	113.5	N 58 46 W	19	72.54	193	172	95	25	11
1844	49	27	7	55	67	27.5	13.5	120	N 62 24 W	16	59.59	199.5	166.5	107	25	5
Mean.	51.33	31.83	8.21	33.46	74.58	48.29	17.87	99.66	N 80° 4' W	19	69.15	206.12	159.12			
Total.	6 8	82	98.5	401.5	895	579.5	215.5	1196				2173.5	1909.5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1831	2.87	1.92	2.64	3.92	2.79	3.44	5.66	4.99	4.38	5.88	2.37	.90	42.86	December.	July.
1832	4.31	3.72	4.89	3.30	3.75	2.20	3.65	9.51	2.65	2.67	4.20	4.10	43.86	June.	August.
1834	1.74	.93	1.45	3.35	5.54	6.03	7.07	.35	4.25	2.89	2.07	3.50	39.17	August.	July.
1835	4.51	2.3	2.96	4.94	1.77	1.48	4.05	3.71	1.97	2.15	3.35	2.31	34.50	September.	April.
1837	1.84	.91	5.32	4.26	5.75	4.24	3.04	.99	1.35	2.16	2.36	1.00	33.23	February.	May.
1838	1.10	1.59	1.29	1.10	2.99	4.37	1.36	1.91	4.63	3.59	3.50	1.00	28.51	December.	September.
1839	1.65	.28	1.07	4.69	5.11	3.69	7.23	4.54	5.63	1.13	2.56	5.55	43.20	July.	September.
1840	.76	1.35	2.16	4.54	3.03	3.37	2.91	2.92	2.50	5.43	1.04	2.91	30.84	February.	July.
1841	4.50	1.35	2.03	2.95	2.35	3.03	3.75	3.95	2.15	3.37	2.79	4.33	86.60	February.	January.
1842	1.88	3.61	1.94	4.42	4.39	3.12	5.96	7.06	4.31	3.41	2.29	2.17	45.06	January.	August.
1843	.46	.65	3.08	4.52	1.18	2.09	3.21	7.12	2.23	2.86	.50	.36	23.26	December.	August.
1844	.24	.51	1.82	.55	4.55	.67	5.93	2.44	1.53	3.14	.37	1.21	23.31	January.	July.
Mean.	2.15	1.50	2.55	3.57	3.63	3.14	4.46	4.12	3.10	3.22	2.25	2.44	36.19		
Total.	25.85	18.02	80.65	42.30	43.61	37.70	53.52	49.49	57.81	33.59	27.38	29.35	114.30		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1831	4	21	16	14	4	21	20	9	31	9	2	23	31	11	21	28	11	30	3	28	10	29	25	15
1832	19	27	3	24	25	18	26	9	14	24	10	5	3	11	15	24	16	13	10	26	18	15	8	23
1834	18	24	23	7	19	22	15	27	25	15	9	3	26	30	12	29	4	29	2	15	10	15	1	14
1835	26	4	13	8	31	5	10	14	19	14	3	30	13	1	3	21	5	30	19	11	16	29	26	16
1837	31	14	1	13	25	3	30	5	31	1	30	12	20	9	2	31	10	24	19	29	5	26	2	15
1838	5	31	8	3	15	1	22	16	21	3	11	20	10	22	25	28	22	3	2	31	8	26	2	30
1839	12	23	25	6	23	3	7	14	20	4	21	5	20	15	27	16	9	30	10	20	15	21	4	19
1840	30	1	20	4	4	11	23	8	18	9	29	7	16	3	23	7	2	21	2	27	3	27	13	25
1841	7	3	26	12	27	16	25	12	23	3	30	5	23	31	10	25	3	30	12	25	1	29	14	22
1842	20	13	4	20	4	12	22	1	18	20	30	11	27	31	27	1	12	22	2	31	7	29	9	23
1843	8	4	11	16	28	3	24	1	15	3	30	1	1	3	22	5	4	28	1	31	18	27	22	13
1844	17	27	29	9	25	31	15	1	26	22	27	11	10	16	9	28	20	29	9	20	12	29	7	28

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	
1831	55	0	45	6	62	21	74	32	93	35	94	46	89	48	92	53	84	40	78	30	60	24	40	1	
1832	55	—	58	7	68	12	77	15	78	37	90	50	91	54	85	50	81	41	73	28	60	18	50	10	
1834	57	4	55	8	67	20	78	30	86	30	87	48	94	54	91	53	82	34	76	28	57	24	53	1	
1835	52	—	52	2	57	5	69	28	88	40	90	48	90	52	85	50	80	38	74	38	70	20	48	—	
1837	49	0	50	0	56	10	78	31	84	27	86	53	88	54	89	52	84	41	73	27	68	11	57	8	
1838	57	10	57	6	66	12	72	28	85	40	95	58	100	58	97	51	84	43	75	29	65	9	50	7	
1839	56	—	53	4	67	8	76	29	85	36	87	48	91	56	87	49	85	40	73	27	63	13	56	6	
1840	41	—	3	67	—	2	71	14	79	25	91	36	90	45	92	56	82	41	72	30	59	28	51	15	
1841	50	2	46	4	70	17	69	25	83	30	93	51	94	52	87	54	85	45	66	27	67	20	50	7	
1842	50	6	60	12	70	18	75	22	73	38	86	40	93	50	84	49	84	35	70	33	56	19	44	11	
1843	56	14	47	2	46	11	72	27	82	38	87	37	90	53	80	60	84	43	67	31	56	22	46	6	
1844	45	—	2	47	3	62	19	81	25	82	39	88	47	83	50	83	54	81	40	76	33	56	21	50	9
Highest.	57		67		71		81		93		95		100		97		85		78		70		56		
Lowest.		—	8	—	2	5	15		27		37		48		49		34		27		9		—	4	
Range.		65		69		66		66		66		58		52		48		51		51		61		60	

SUMMARY OF OBSERVATIONS AT NEWBURGH ACADEMY,

NEWBURGH, ORANGE COUNTY, N. Y., DURING EIGHTEEN YEARS.

Latitude N. 41° 09', Longitude W. 74° 05'. Elevation above tide 150 feet. On the west side of the valley of the Hudson, probably about 150 feet above the surface of the river.

OBSERVERS.

1828, WM. S. BURT and NATHAN STARK, Principals.

1829, '30, NATHAN STARK, Principal.

1832, '33, '34, ALBERT WELLS, Principal.

1835, ALBERT WELLS and S. J. PRIME, Teachers.

1836, SAMUEL J. PRIME, Principal.

1837, (results only given ex. Rain gage,) Messrs. PRIME and BROWN.

1838, '39, 40, EDGAR PERKINS, Principal.

1842, ALANSON J. PRIME, Teacher.

1843, '44, ALANSON J. PRIME, Principal.

1845, (except Rain gage,) ALANSON J. PRIME, Principal.

1846, JOHN LYON.

1847, JOHN L. LYON and BAYARD R. HALL, Principals.

1848, '49, RUSH B. HALL, Tutor.

JANUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	37, 22	26, 19	58	4 54	4, 54	4, 5	4	, 5	, 5	10, 5	5	4, 5	1, 5	16	15	3	2	1	2, 75
1829	23, 64	30, 20	52	2 50	8, 5	7				3	7	1	4, 5	9	22	3	3	1	2, 21
1832	28, 25	25, 89	52	— 5 57	4, 5	2				4	15	3	2, 5	14	17				4, 67
1833	36, 28	29, 44	68	0 68	2	5				2, 5	14, 5	1, 5	5, 5	12	19	1	2	, 5	2, 42
1834	24, 75	25, 63	54	— 2 56	1	10, 5	, 5			1	11, 5	3	3, 5	18, 5	12, 5	3, 5	1, 5		1, 82
1835	8, 99	38, 32	51	— 27 78	2	13, 5				6	5	1, 5	3	20	11	4	, 5		3, 05
1836	31, 36	19, 46	44	— 1 45	1, 5	10	, 5			1, 5	2, 5	8	7	15	16	2	8		2, 92
1838	38, 69	34, 10	56	12 44	2, 5	3, 5		1		6	10	5, 5	2, 5	18, 5	12, 5	2	, 5		4, 35
1839	25, 80	27, 76	48	— 5 53	4	5		1, 5		3, 5	4	5	8	18, 5	12, 5	2		1	4, 01
1840	21, 15	27, 58	41	— 6 47	2	4	1, 5	3		4, 5	, 5	8	7, 5	18, 5	12, 5		9		3, 29
1842	28, 19	34, 33	56	— 1 57	, 5	2, 5				1	15	2	10	16	15	1, 5	4, 5	1	, 63
1843	31, 15	33, 93	58	2 56	2, 5	5	, 5	2, 5	2	4	6, 5	8	13, 5	17, 5	6, 5	3			1, 11
1844	24, 52	14, 23	40	— 5 45		11					4, 5	1, 5	14	17	14	3, 5	4	1	3, 18
1845	32, 05	30, 14	49	8 41		9, 5	1, 5	4, 5			6, 5	2, 5	6, 5	12, 5	18, 5	5, 5	4	, 5	
1846	32, 20	22, 65	50	0 50	5	3		, 5	2	2	15	3, 5	3, 5	16, 5	14, 5	2	2, 5		1, 35
1847	30, 12	26, 93	54	8 46	1	3, 5			2, 5	7, 5	12	4, 5	21	10	5	2	1		7, 10
1848	30, 11	34, 49	54	— 4 58	13, 5	1			2	8		6, 5	10	21	1		1		1, 18
1849	20, 17	28, 70	51	— 10 61	10	3, 5	1, 5	2, 5	2	1, 5	7	3	18	13	2		1		, 52
Mean.	28, 03	28, 33				3, 61	5, 75	, 36	, 89	3, 00	6, 80	4, 85	5, 65	15, 80	15, 20				2, 74
Total.						65	105, 5	6, 5	16	54	124	87, 5	101, 5	284, 5	273, 5				46, 56

FEBRUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	37,46	37,59	61	10	51	2	3	,5	1,5	5,5	5,5	7,5	2,5	16	13	3	2		3,15
1829	21,72	21,53	42	—	3,45	7,5	3			1,5	6,5	3	6,5	20,5	7,5	1	2	1	2,18
1832	30,55	27,78	49	3	46	2,5	9,5		,5	3	9	3	1,5	7,5	21,5				4,00
1833	23,44	31,97	54	3	51	1,5	6		2	1	6	,5	11	13	15	,5	2,5		,31
1834	35,35	39,56	54	3	51	1,5	9		,5	4	10		3	13,5	14,5	1,5	1,5		,54
1835	17,37	29,09	52	—	4,56	1	12			4	6,5	3	1,5	12,5	15,5	1	3		1,15
1836	16,20	21,51	50	—	14,64		5			1	7	2	14	13	16	2,5	8		4,50
1838	27,04	19,36	50	10	40	5,5	5,5			1,5	4	5	6,5	20	8	,5	2,5		1,50
1839	19,44	26,72	50	—	3,53	6	3,5		2,5	3,5	,5	3	7,5	16,5	11,5	3	2		5,38
1840	20,49	28,83	47	6	41		4	1,5	2	9,5	4	5,5	4	14,5	14,5	1	6	1	2,52
1842	37,81	32,10	61	9	52	2	4		1		10	3	8	12,5	15,5	4	3	2	2,39
1843	22,86	21,98	55	0	55	2	7		,5		4,5	1,5	12,5	13	15	,5	8		1,18
1844	23,09	29,16	46	—	3,49		10,5		,5	2	4,5	3	8,5	16,5	12,5	,5	4,5	1	,09
1845	20,66	43,12	66	4	62		7		4		9,5	2	5,5	15	13	3,5	3,5		
1846	28,90	26,04	45	6	39	3	4,5	,5			5	10,5	4,5	16	12		5		1,03
1847	29,40	25,68	54	—	5,59	5	4	,5	2	6	1,5	7,5	1,5	16,5	11,5	1	5	1	2,20
1848	24,64	32,26	50	0	50	11	4,5		1		1,5	5	6	18,5	10,5	1	2		2,30
1849	23,35	22,66	44	—	11,55	9	7	2,5	,5	1	3	5		7,5	20,5		9		1,56
Mean.	25,54	28,72				3,30	6,05	,30	1,03	2,42	5,47	3,88	5,75	14,58	13,75				2,12
Total.						59,5	109	5,5	18,5	43,5	98,5	70	104,5	262,5	247,5				35,98
MARCH.																			
1828	36,33	43,29	72	15	57	9	1,5	2	,5	7,5	3,5	4,5	2,5	20	11	4	2	1	2,29
1829	34,92	33,56	65	12	53	2	4			3	7,5	5,5	9	18,5	12,5	1	3	1	1,34
1832	40,22	39,20	67	10	57	1	5,5			6,5	12,5	1	4,5	14,5	16,5				2,18
1833	27,68	43,28	68	2	66	,5	6		2,5	4,5	8	,5	9	19,5	11,5	1	2	,5	2,52
1834	37,96	38,99	69	14	55		4		1	10	8	1,5	6,5	18,5	12,5	1,5	1,5		1,08
1835	31,16	40,65	65	3	62	1	13		1	5	6	2,5	2,5	18,5	12,5		2,5	1	2,15
1836	25,66	32,69	53	0	53		3,5				14	3,5	10	20	11	1,5	1,5		,40
1838	36,30	41,24	55	11	44	2,5	9	1	4	1	5	3	5,5	17	14		5		7,28
1839	27,35	38,57	56	11	45	3	4,5		,5	2	13,5	2	5,5	20	11	3	2		2,34
1840	29,48	35,83	49	17	32	1,5	5,5		2	8,5	2,5	6	5	17	14	7	1		2,48
1842	42,81	42,36	78	16	62	,5	6,5	,5	1,5	1	10,5	3,5	7	13	18	6,5	3	,5	2,50
1843	26,04	30,09	60	5	55		8	1	,5	1	6	2,5	12	15	16	,5	4	1	3,28
1844	36,20	33,12	59	12	47		15	,5	,5	2,5	7	4,5	1	11,5	19,5	8	2	1	1,17
1845	40,62	40,71	70	20	49		6,5		4	1	12,5	1	6	16,5	14,5	2	4,5	,5	
1846	35,69	45,39	57	8	49	5,5	5,5	,5	,5	3	6	5,5	4,5	22	9	4,5	1		3,00
1847	31,84	34,49	56	19	37	4,5	3,5	,5		5,5	3	13,5	,5	19	12	5	1		,50
1848	30,33	41,53	70	6	64	7,5	4	4	2	4,5		2	7	13	18		1		,60
1849	33,70	40,43	61	10	51	5,5	12	1	1	7		2,5	2	15	16	6	3		3,16
Mean.	33,57	38,63				2,44	6,53	,61	1,19	4,09	6,97	3,61	5,56	13,86	17,14				2,25
Total.						44	117,5	11	21,5	73,5	125,5	65	100	308,5	349,5				38,27

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	41,95	48,22	62	29	33	11	5,5	1	,5	3,5	3	2	3,5	18	12	3	1	1	3,05
1829	43,42	50,53	82	34	48	4	5,5	,5	,5	5	6,5	2,5	5,5	17,5	12,5	4		1	3,59
1832	48,00	52,23	85	26	59		13		1,5	1,5	10	1,5	2,5	14,5	15,5				2,95
1833	52,52	62,08	92	32	60	1	6,5		1,5	7	7	,5	6,5	20,5	9,5	2,5			1,13
1834	50,41	49,86	83	28	55	1	13,5			6	4,5	,5	4,5	15	15	3,5	,5		2,80
1835	47,18	44,92	75	24	51	1	9,5		2	8	2,5	4	3	15,5	14,5	4	1		3,07
1836	39,56	50,96	83	20	63		,5		1	4	12,5	1,5	5,5	23	7	4,5	,5	,5	,42
1838	43,89	44,23	71	29	42	2,5	7,5	2	1	1	6	4	6	20,5	9,5	2,5		,5	1,26
1839	38,68	48,34	73	21	52	4	6,5		3	4	2,5	5	5	17	13	11			1,04
1840	40,43	43,69	60	32	28	2	3,5	1,5	3,5	10	5	2,5	2	13	17	13			3,09
1842	48,31	52,31	86	19	67	2	11		4	1,5	6	1	4,5	14,5	15,5	9		,5	2,42
1843	43,89	53,04	78	22	56		10,5	,5	5	3	3	1	7	12	18	11,5	,5	,5	2,12
1844	52,68	54,48	83	20	63	,5	7		5,5	5	8,5	2,5	1	15	15	6,5			,82
1845	45,45	50,97	72	29	43		6,5	1	3	4	4	1,5	10	16,5	13,5	6,5	,5		
1846	49,27	56,49	72	30	42	8	2,5	4,5	2	8,5	2,5	4,5	2,5	22,5	7,5	4,5	,5		1,73
1847	43,63	47,91	80	16	64	5	2			7,5	4	8,5	3	24,5	5,5	4			1,64
1848	49,97	53,88	80	25	55	7	4,5			2,5	5	8,5	2,5	20	10			1	,90
1849	47,29	44,51	69	26	43	8,5	3	,5	1	4	4	3	6	16	14	3			,79
Mean.	45,92	50,48				2,96	6,83	,64	1,97	4,76	5,36	3,02	4,46	17,53	12,47				1,93
Total.						53	123	11,5	35	86	96,5	54,5	80,5	315,5	224,5				32,82
MAY.																			
1828	58,39	59,66	79	39	40	5	2,5		,5	10,5	1,5	6	5	20	11	4			5,37
1829	53,99	67,34	90	36	54	3,5	2,5		,5	3,5	15	3	3	23	8	5			2,06
1832	59,98	56,97	76	41	35	2	9		1	7	10,5	,5	1	16	15				4,05
1833	61,09	63,06	83	40	43		11,5		1	7	6	3	2,5	14,5	16,5	6			3,79
1834	51,45	65,31	89	30	59	2	6,5	,5	3	8	6,5	1,5	3	15	16	4	,5		2,96
1835	54,35	64,83	92	40	52	1	10,5		,5	8	5	1,5	4,5	18,5	12,5	4,5		,5	1,83
1836	59,63	62,38	90	40	50	2	7	1	4,5	5	8,5		3	19,5	11,5	8			2,50
1838	51,78	59,95	80	39	41	2,5	7		2	4,5	8	2,5	4,5	10,5	20,5	6			6,17
1839	51,45	57,20	76	36	40		6,5	1	2	8,5	3,5	5,5	4	20,5	10,5	7			3,60
1840	50,86	61,19	78	40	38	1,5	5,5		1	11,5	3	5	3,5	13,5	17,5	13			7,00
1842	52,77	57,65	82	35	47	3	4	,5	3,5	4,5	10,5	2	3	14,5	16,5	11,5			2,80
1843	58,38	59,42	85	36	49	1	7,5	,5	6	4,5	5,5	2	4	16	15	5			2,21
1844	66,10	61,13	89	36	53	1	3		6	3,5	9	6	2,5	16	15	12			5,91
1845	62,81	57,46	98	38	60		10		1,5	4	5	5	5,5	20	11	5,5			
1846	60,54	64,01	82	43	39	,5	4	4	8,5	6	,5	6,5	1	16,5	14,5	8,5			5,51
1847	58,59	61,72	84	34	50	1,5	7	1	1	3	3	13	1,5	16,5	14,5	6			2,12
1848	59,49	68,67	94	40	54	8,5	2,5		2	11	5,5		1,5	14,5	16,5	10			6,05
1849	54,53	60,81	90	38	52	8,5	3,5	8,5	3	5,5	1,5		,5	14,5	16,5	9			5,56
Mean.	57,01	61,59				2,42	6,11	,94	2,64	6,42	6,00	3,50	2,97	16,64	14,36				4,08
Total.						43,5	110	17	47,5	115,5	108	63	53,5	299,5	258,5				69,49

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	68,65	73,90	98	52	46	1			,5	9	9,5	4	6	25,5	4,5	3			1,94
1829	67,40	64,70	86	46	40	3,5	1		,5	,5	16,5	4	4	20,5	9,5	4			3,50
1832	64,57	72,85	93	51	42	3,5	3,5			8	12,5	2	,5	19	11				1,76
1833	62,91	63,62	83	45	38	,5	3,5		1	4,5	13	,5	7	20	10	4			4,34
1834	64,69	66,94	93	50	43	2	6		2,5	9	4	2	4,5	16,5	13,5	8			6,92
1835	69,61	64,38	89	48	41		5	,5		11	8	2,5	3	16,5	13,5	5,5			3,59
1836	63,59	64,88	88	44	44		15,5	2	1,5	2,5	6,5	1	1	13,5	16,5	11,5			5,20
1838	68,46	69,48	92	52	40	1	3,5		2,5	10,5	7,5	1	4	23,5	6,5	4,5			6,60
1839	62,47	69,42	88	48	40	4,5	3		2	6	8	3,5	3	21,5	8,5	6			2,36
1840	68,35	71,78	87	52	35	2	1,5		3,5	11	3	6	3	17,5	12,5	5,5			2,53
1842	60,95	70,68	91	33	58		2		6,5	4	12,5	1,5	3,5	15	15	7,5			2,80
1843	62,23	70,68	94	32	62		6		1,5	2,5	15,5	2,5	2	16,5	13,5	10,5			2,40
1844	63,87	72,02	90	48	42		8		4,5	2	11,5	2	2	18,5	11,5	7,5			3,11
1845	72,29	68,86	94	52	42		,5	1	2,5	4	12,5	6	3,5	22,5	7,5	4,5			
1846	70,47	68,78	84	54	30	1,5	3,5	1,5	12,5	3,5	4	1,5	2	19	11	7,5			2,12
1847	60,44	71,16	92	40	52	10,5	3,5		2	4,5	3	4,5	2	17	13	6			1,35
1848	67,48	75,16	101	44	57	12,5	1	1		3	4	1,5	7	18,5	11,5	7			5,81
1849	67,21	80,09	102	51	51	9	2,5	5		3,5	1,5	3,5	5	23	7	5			1,42
Mean.	65,87	69,96				2,86	3,86	,61	2,42	5,50	8,50	2,75	3,50	19,67	10,33				3,39
Total.						51,5	69,5	11	43,5	99	153	49,5	63	354	196				57,75
JULY.																			
1828	69,12	73,61	99	55	44	2	1			5	9,5	10	3,5	24	7				7,08
1829	66,96	72,59	93	49	44									21,5	9,5	5			4,45
1832	72,53	71,00	95	55	40	3	3,5		1,5	8,5	13,5	,5	,5	19	12				5,14
1833	70,00	69,80	95	51	44		4		2	3,5	17,5	,5	3,5	21,5	9,5	3			3,80
1834	76,01	74,72	100	58	42		6,5		3	12,5	7,5		1,5	21	10	3			2,09
1835	71,07	72,71	92	49	43		9	,5	1,5	5,5	12	1,5	1	19	12	5			2,36
1836	73,79	62,48	91	52	39		11		6,5	6	5,5	,5	1,5	18	13	7,5			4,68
1838	75,97	72,37	93	55	38	5,5	1		1,5	6	9,5	3	4,5	23	8	3,5			2,59
1839	71,93	72,12	87	56	31	3	6		1,5	6,5	3,5	7,5	3	20,5	10,5	7			4,12
1840	70,86	75,85	89	61	28	3	1,5	1	3,5	7	3	4,5	7,5	19	12	6,5			2,95
1842	67,35	74,04	98	52	46		7		6,5	5	9	2	1,5	17,5	13,5	9			3,90
1843	70,60	73,68	97	50	47		3,5	,5	3	2	11,5	4	6,5	21	10	5,5			1,01
1844	67,61	71,28	91	52	39		5,5		8,5	4	8,5	2	2,5	17	14	9			7,76
1845	75,36	74,00	98	54	44	1,5	1,5	1	2	5,5	7	7,5	5	21,5	9,5	4			
1846	75,37	72,35	92	58	34	1	2	5,5	3,5	3,5	4,5	7,5	3,5	20,5	10,5	7,5			5,64
1847	74,80	73,83	97	50	47	2	4,5	1		11	4,5	8		21,5	9,5	7			1,55
1848	72,18	76,35	99	48	51	3	3	4	5		7	2,5	6,5	18	13	5			3,95
1849	77,61	76,85	105	52	53	3,5	3,5	2		12,5	2,5	4,5	2,5	14	17	3			1,04
Mean.	72,16	72,93				1,63	4,35	,91	2,91	6,53	7,73	3,74	3,20	19,86	,14				3,77
Total.						27,5	74	15,5	49,5	111	131,5	63,5	54,5	357,5	200,5				64,11

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1828	72,14	73,86	93	60	33	2,5	,5	,5		4	8	11	4,5	28,5	2,5				1,46
1829	72,05	68,28	95	53	42	6	1,5		,5		18,5	3,5	1	26	5	2			3,06
1832	74,19	61,94	90	46	44		6		,5	8,5	15		1	17	14				7,30
1833	68,81	66,37	89	43	46	3,5	6,5		,5	3	13,5	1,5	2,5	24	7	2			5,25
1834	74,80	63,99	93	37	56	1	4,5	1	2,5	3	7,5	3	8,5	24,5	6,5	,5			,31
1835	69,95	69,56	88	44	44	1	5,5		3	6	11	2,5	2	19,5	11,5	3,5			1,64
1836	65,66	64,91	88	44	44	,5	3,5	,5	2	12	4,5	6,5	1,5	17	14	3,5			1,30
1838	70,91	66,11	90	50	40	1,5	3		5	4	10,5	,5	6,5	23,5	7,5	4			2,17
1839	73,17	69,31	88	54	34	4	1,5		4	6,5	3,5	3	8,5	25,5	5,5	3			2,76
1840	69,58	68,40	83	56	27	1,5	5		2,5	7,5	2	8	4,5	19,5	11,5	10			3,68
1842	69,93	77,57	89	44	45	,5	12		7,5	1,5	5,5	1,5	2,5	12	19	10,5			4,41
1843	70,64	72,76	89	56	33	1	10		7	1	9,5	1,5	1	14	17	9,5			7,41
1844	72,40	69,65	94	53	41		4,5		6	4,5	12	1	3	19,5	11,5	8,5			2,49
1845	76,71	76,25	94	57	37		1,5	4	11,5	4	9	1		23	8	4,5			
1846	74,67	70,20	86	60	26	3	8	1	5	2	6	4	2	21,5	9,5	6			3,46
1847	74,58	71,41	92	50	42	2,5	3,5	3	6	3	5	4	4	20,5	10,5	3			1,05
1848	76,95	72,91	98	52	46	8,5	2		,5	11,5	4	1	3,5	23	8	2			,91
1849	73,30	75,46	96	50	46	5,5	3	2		15,5	3	,5	1,5	17	14	6			5,10
Mean.	72,25	69,94				2,36	4,55	,67	3,56	5,42	8,22	3,00	3,22	20,86	10,14				3,16
Total						42,5	82	12	64	97,5	148	54	58	375,5	182,5				53,76
SEPTEMBER.																			
1828	64,20	62,03	97	48	49	5	7,5		1,5	1,5	5	7	2,5	17	13				9,21
1829	60,86	56,67	94	34	60	6,5	1	,5			11,5	6,5	4	23	7	4			2,40
1832	63,02	66,45	85	41	44	1	5,5		2	6	13	1	1,5	17	13				1,07
1833	61,54	64,01	88	38	50	4,5	2,5			3	14	2,5	3,5	23,5	6,5	3,5			3,96
1834	63,90	61,73	87	30	57	1	6,5			10,5	9,5		2,5	17,5	12,5	4			3,73
1835	63,85	56,24	87	35	52	1	8		4	2,5	12	1,5	1	16	14	2			,94
1836	62,48	60,31	83	35	48		8	1	6	6	7		2	12	18	7,5			1,10
1838	65,29	62,30	88	41	47	2,5	7,5	,5	1	6	6,5		6	22	8	5			7,60
1839	64,39	58,99	81	43	38	3	7		2	5,5	2	7	3,5	19	11	9			5,23
1840	66,44	62,71	85	46	39	2	2,5		3,5	6,5	2,5	8	5	19	11	7			4,08
1842	67,28	55,90	96	32	64	1	11		1		10	2	5	14,5	15,5	8,5			1,75
1843	64,74	65,34	89	34	55		7,5	1,5	3	3,5	7,5	1	6	16,5	13,5	7			2,25
1844	69,50	60,28	89	62	47		14	1	2,5	6	3	1	2,5	23	7	3			2,95
1845	66,71	62,36	84	41	43	,5	1	2	1,5	6,5	6,5	10	2	18	12	4			
1846	76,07	64,47	94	47	47		7,5	,5	,5	7,5	8	4	2	25	5	1,5			,25
1847	75,87	59,64	89	40	49	5	10	2		5	1	1,5	5,5	12,5	17,5	8			6,85
1848	68,46	58,59	95	32	63	13,5	,5	1		2	3	8	2	15,5	14,5	4			2,06
1849	68,81	65,26	94	44	50	10	4	8	,5	3	,5	2,3	1,5	20,5	9,5	3			1,39
Mean.	66,24	61,29				3,14	6,20	1,00	1,61	4,50	6,80	3,53	3,22	18,42	11,58				3,34
Total						56,5	111,5	18	29	81	122,5	63,5	58	331,5	208,5				56,82

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	54,38	48,14	78	26	52	2	2,5			3,5	11	8	4	25	6				,96
1829	53,22	50,75	74	24	50	2	4			2	12	2,5	8,5	21	10	3			3,60
1832	57,50	50,53	76	29	47	1	9,5		2	3	10		5,5	14,5	16,5				4,36
1833	54,60	44,61	73	26	47	1,5	4,5	,5	1,5	1,5	13	4,5	4	13	18	6			8,74
1834	54,20	44,32	79	28	51	5	2,5			8,5	6,5	3	5,5	19,5	11,5	5,5			2,91
1835	53,76	59,49	77	35	42	,5	5,5		4,5	2,5	17		1	19	12	3			1,65
1836	47,95	40,75	70	24	46	2	3,5	1	2,5	2,5	7	2	10,5	16,5	14,5	3,5	,5	,5	2,25
1838	56,53	46,26	76	32	44	2	5		1,5	6	6	2,5	8	21,5	9,5	7			3,45
1839	57,20	48,84	70	30	40	2,5	3,5		2,5	4,5	6	8	4	22	9	8			4,08
1840	54,50	46,96	76	33	43		11,5		2	5	3	5	4,5	13,5	17,5	10			1,87
1842	53,91	47,67	78	31	47	1,5	2,5		1,5	2	9	5	9,5	18,5	12,5	2,5			2,29
1843	52,90	47,00	74	30	44		7,5		2	2	7	5	7,5	16,5	14,5	8,5	,5		6,46
1844	52,67	47,22	72	33	39	3	6		4,5	4	3	6,5	4	11,5	19,5	3,5			,45
1845	60,14	56,11	80	31	49	2	2,5	1,5	5,5	2	8,5	6	3	20,5	10,5	4			
1846	56,52	46,86	75	28	47	2	6,5	1,5	3	2,5	7,5	6	2	21,5	9,5	4			3,29
1847	53,65	47,09	71	20	51		10,5	1,5	1	4,5	1	10	2,5	20,5	10,5	3			1,98
1848	55,57	51,55	74	32	42	10	8	3		3	1	3	3	13,5	17,5	4			5,16
1849	51,66	52,26	80	32	48	12	4,5	1	2	5,5		3,5	2,5	5,5	25,5	7			8,75
Mean.	54,49	48,69				2,72	5,55	,55	2,00	3,60	7,14	4,47	4,97	17,42	13,58				3,66
Total.						49	100	10	36	64,5	128,5	80,5	80,5	313,5	244,5				62,25
NOVEMBER.																			
1828	46,17	38,97	69	24	45	1,5	6			2	12,5	5,5	2,5	15,5	14,5				5,62
1829	40,38	37,53	57	18	39	3	4	,5		2	11	5	4,5	15	15	5	2		2,46
1832	45,03	41,40	66	19	47	4	2			2	12,5	3	6,5	11,5	18,5				1,94
1833	44,24	34,07	63	20	43	1	6,5		,5	,5	16	3	2,5	16	14	2		,5	2,79
1834	42,68	37,41	60	20	40	2,5	12,5		1	3,5	6,5	1,5	2,5	14,5	15,5	2	1	,5	1,10
1835	48,40	36,06	70	14	56	1	8		1,5	1	10	2,5	6	14	16	3,5	1,5		2,41
1836	36,20	35,59	65	24	41		4,5	1	4,5		6	10,5	3,5	11	19	5	2	,5	1,72
1838	42,44	33,87	53	21	32	3	2		1,5	8,5	5,5	3	6,5	17,5	12,5	4,5			5,05
1839	36,92	30,56	56	17	39	,5	6,5		3,5	3,5	3,5	7,5	8,5	20,5	9,5	7			4,61
1840	42,36	34,67	65	17	48		7		1	3	6	6,5	6,5	14,5	15,5	10			3,89
1842	41,93	30,46	65	13	52	,5	8		1,5		12,5	2	5,5	18	12	6	2,5	,5	2,07
1843	42,18	39,06	60	18	42	1,5	9		3,5		4	2	10	13	17	5,5	6,5		2,23
1844	43,78	34,41	57	20	37	1,5	6		4,5	2	6	6	4	14	16	4	2		1,60
1845	46,74	40,55	72	16	56	1	3		1	1	10,5	8	5,5	19	11	6		,5	
1846	50,15	40,75	58	22	36	,5	14	3,5	2		4	5,5	,5	11,5	18,5	7,5	,5	1	6,47
1847	50,08	41,51	73	8	65	3,5	2	1	1		1	16	5,5	12	18	2			1,50
1848	38,15	36,50	60	16	44	9	3	1	1	2	4	8	2	14	16	1	2		2,48
1849	48,44	42,26	69	23	46	7	3,5	8,5	3	1	2,5	2,5	2	13	17	4			2,18
Mean.	43,68	36,98				2,28	5,97	,86	1,53	1,78	7,44	5,44	4,70	4,69	15,31				2,95
Total.						41	107,5	15,5	27,5	32	134	98	84,5	264,5	275,5				50,12

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPRATURR.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	42,19	33,28	57	12,45	2					7	13,5	3,5	5	24	7				,42
1829	38,64	37,10	69	14,55	4,5		4,5			1	13,5	3	4,5	17,5	13,5	3	1		1,69
1832	36,47	30,17	47	14,33	5		12		,5	3	4	2,5	4	11	20				3,76
1833	31,26	29,86	49	12,37	5		16				3	3	4	12,5	18,5		3	1,5	2,12
1834	33,51	28,83	53	7,60			12			1,5	13,5	1	3	10,5	20,5	2	4,5		2,80
1835	20,50	23,86	42	15,57	9,5					6,5	7,5	3	4,5	13,5	17,5	3	3	,5	1,20
1836	35,36	24,35	52	4,48	6,5		2		2	1	8,5	5	6	16,5	14,5	4	2,5	1	3,28
1838	23,05	23,26	46	6,52	3		2	,5		2	11,5	5,5	6,5	16,5	14,5		2,5		,22
1839	25,28	16,41	40	3,37	2,5	15,5				4	1,5	4	3,5	18	13	5	4		5,01
1840	26,73	21,33	43	6,37	,5		5		1	6	6,5	5	7	16	15	3	6		1,60
1842	30,27	27,36	52	8,44	2		8		,5		6	4,5	10	9,5	21,5	3	4,5	1	2,66
1843	26,21	32,24	40	6,34			7,5		2,5		8,5	,5	12	11	20	3	7,5	,5	1,85
1844	32,20	29,30	56	10,46	2		9		4,5	1	5	3	6,5	14,5	16,5	3	3	,5	2,34
1845	21,99	23,04	40	2,38	9		4		2	,5	1	10	4,5	17	14	3	3,5		,90
1846	31,36	29,95	50	14,36	2,5		3		,5	5	16,5	3,5		19,5	11,5	4	2	1	1,98
1847	43,01	28,48	60	7,53	3	10				1	8,5	4,5	4	10	21	2	2		3,32
1848	39,82	32,08	66	8,58	11	4		2		2	2	8	2	8,5	22,5	3	7		2,35
1849	30,46	22,94	47	0,47	13	9		2	1,5	2	,5	1	2	11	20	1	2	1	
Mean.	31,07	27,43				4,50	6,86	,25	,80	2,17	6,64	4,64	5,14	14,28	16,72				2,20
Total.						81	123,5	4,5	14,5	39	119,5	83,5	92,5	257	301				37,50

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.	
	First Half.	Seco'd Half.																					
January, --	28.08	20.88	58	-10	68	8.61	5.75	.86	.89	3.00	6.89	4.85	5.65	N 69° 55' W	81	9.23	15.80	15.20				2.58	46.56
February, --	25.54	28.72	66	-11	77	8.30	6.05	.80	1.03	2.42	5.47	3.88	5.75	N 54° 34' W	28	7.98	14.58	13.75				2.12	35.98
March, ---	33.57	38.63	72	-2	74	2.44	6.53	.61	1.19	4.09	6.97	3.61	5.56	N 55° 18' W	26	7.78	13.86	17.14				2.25	38.27
April, ----	45.32	50.43	92	10	82	2.96	6.83	.64	1.97	4.76	5.36	3.02	4.46	N 72° 17' W	11	3.27	17.53	12.47				1.93	32.11
May, -----	57.01	61.53	98	27	71	2.42	6.11	.94	2.64	6.42	6.00	3.50	2.97	S 86° 17' W	15	4.58	16.64	14.86				4.08	69.49
June, -----	65.87	69.96	102	32	70	2.86	3.86	.61	2.42	5.50	5.50	2.75	3.50	S 50° 13' W	27	8.05	19.67	10.33				8.89	59.60
July, -----	72.16	72.75	105	48	57	1.63	4.35	.91	2.91	6.53	7.73	3.74	3.20	S 87° 17' W	31	9.20	19.86	10.14				3.77	64.11
August, ----	72.25	69.94	98	44	54	2.36	4.55	.67	3.56	5.42	8.22	3.00	3.22	S 89° 37' W	26	7.48	20.86	10.14				3.16	53.76
September, --	66.24	61.29	94	30	64	3.14	6.20	1.00	1.61	4.50	6.80	3.53	3.22	S 81° 21' W	14	4.12	18.42	11.58				3.84	56.82
October, ---	54.49	48.69	80	20	60	2.72	5.55	.55	2.00	3.60	7.19	4.47	4.97	N 89° 31' W	24	7.21	17.42	13.58				3.66	62.25
November, --	43.68	36.93	76	8	68	2.28	5.97	.86	1.58	1.78	7.44	5.44	4.70	N 82° 9' W	24	7.25	14.69	15.81				2.95	50.12
December, --	31.07	27.43	69	-15	84	4.50	6.86	.25	.80	2.17	6.64	4.64	5.44	N 52° 9' W	31	9.22	14.28	16.72				2.20	37.50
Mean, ----	49.65	49.56	105	-15	120	2.85	5.72	.64	1.88	4.18	6.93	3.85	4.36	N 69° 7' W	21	6.23	16.96	13.48				2.95	50.55

Highest degree, July 12, 1849, - - - - - 105°
 Lowest degree, December 16, 1835, - - - - - 15°
 Extreme range in 18 years, - - - - - 120°
 Greatest monthly range in December.
 Least monthly range in August.

Mean monthly range, 69°.
 Driest month, April.
 Wettest month, May.
 Total fall of rain and snow in 17 years, 50 feet 6,57 inches.

OBSERVATIONS AT NEWBURGH ACADEMY.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1828	32.10	37.52	39.91	45.08	50.12	71.27	71.36	73.00	63.11	51.26	42.57	37.78	52.00	99	-4	95	57	January 24,	July 7,	September 25,	November 17.
1829	26.92	21.62	34.24	46.97	60.66	66.05	69.77	70.16	53.76	51.98	38.95	47.77	48.66	95	-3	98	60	February 5,	August 5,	November 30.	December 8.
1830	25.68	24.48	37.06	50.50	57.32	65.11	72.37	69.47	59.93	59.01	47.06	34.68	50.25	94	-10	104	57	February 7,	July 21,	November 1.	November 25.
1832	27.07	29.16	39.71	50.11	58.47	63.71	71.77	68.06	64.73	54.01	43.21	33.52	50.71	95	-5	100	59	January 27,	July 1,	October 11,	November 30.
1833	32.86	27.51	36.45	57.30	62.07	63.26	69.67	59.62	73.50	11.38	15.30	56	49.96	97	0	97	68	January 19,	July 22,	November 23.	December 8.
1834	25.19	35.95	38.47	50.13	53.33	65.82	75.37	71.90	62.81	49.26	40.05	29.17	50.20	100	-7	107	59	December 14,	July 8,	November 1.	November 23.
1835	23.65	23.23	35.90	46.05	59.59	66.99	71.89	69.75	60.64	56.62	42.23	22.18	48.17	92	-27	119	78	January 4,	July 13,	October 4,	November 14.
1836	25.41	18.35	29.17	45.26	61.00	64.23	68.13	65.28	61.39	44.35	35.89	29.55	45.78	91	-14	115	64	February 5,	July 8,	September 26,	October 12.
1837	22.90	26.58	31.54	45.90	57.38	67.51	63.83	67.41	53.54	48.85	43.78	32.36	47.82	92	-6	98	56	February 18,	June 15,	October 4,	November 14.
1838	36.59	29.20	38.77	44.06	55.86	68.97	73.67	63.51	63.79	51.39	38.15	23.15	48.82	93	-6	99	52	December 16,	July 10,	October 4,	November 14.
1839	26.78	29.08	32.90	43.51	54.32	65.74	72.02	71.24	61.64	53.02	33.74	20.89	46.57	88	-5	98	53	February 2,	July 14,	October 13,	December 16.
1840	24.36	24.66	32.65	42.06	56.02	70.06	73.35	63.99	64.57	50.73	38.51	24.03	47.49	89	-6	95	48	January 1,	July 21,	December 8.	December 16.
1842	31.26	34.85	42.58	50.31	55.21	65.81	70.69	73.75	61.59	50.47	36.19	23.51	50.12	98	-1	99	67	January 13,	July 27,	September 23,	November 16.
1843	32.54	22.42	29.06	43.46	58.90	66.45	72.14	71.70	65.04	49.95	40.62	22.56	54.97	97	0	97	62	December 13,	July 1,	September 23,	October 23.
1844	19.37	26.12	34.66	53.58	63.61	67.94	69.40	71.02	64.89	49.94	39.04	30.76	49.19	94	-5	99	63	January 27,	August 9,	October 23,	November 24.
1845	31.09	31.89	40.66	48.21	60.13	70.57	74.63	76.48	64.53	58.12	43.64	22.51	46.12	98	-2	96	62	December 12,	July 21,	October 14,	November 30.
1846	27.42	27.47	40.54	52.88	62.27	69.62	78.80	72.48	70.28	51.69	45.47	30.65	52.08	94	0	94	49	January 18,	July 11,	October 20,	November 25.
1847	28.52	27.68	33.16	45.77	60.15	65.80	74.31	72.99	67.75	50.37	45.79	35.74	50.66	97	-5	102	65	February 24,	July 19,	October 12,	December 17.
1848	32.30	25.45	35.93	51.92	64.08	71.32	74.26	74.93	63.52	53.56	37.32	35.95	51.96	101	-4	105	64	January 11,	July 26,	September 27,	November 11.
1849	24.43	22.95	37.06	45.91	57.67	74.15	77.23	74.38	67.03	51.96	45.35	26.70	50.40	105	-11	116	61	January 11,	July 12,	October 15,	December 8.
Mean.	27.81	26.58	35.90	48.19	59.18	67.76	72.25	70.95	63.33	51.83	40.83	29.84	49.67								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1828	48.5	34	4.5	5.5	69.5	87.5	73.5	43	S 76° 22' W	36	131.30	249.5	116.5			
1832	27.5	81	0	9.5	61	137.5	18	31.5	S 56 55 W	24	87.77	175.5	190.5			
1833	21	78.5	.5	12.5	38	131.5	21.5	61.5	S 81 34 W	24	86.41	210	155	31.5	9.5	3
1834	17.5	100	1	13.5	84.5	93	14	41.5	S 32 55 W	13	48.65	204.5	160.5	39	11	.5
1835	19	99.5	1	18	66	102.5	26	33	S 45 35 W	15	53.91	202.5	162.5	39	11.5	2
1836	13	78.5	7	30.5	41.5	89.5	40.5	65.5	S 80 05 W	18	66.95	195	171	61	23	2.5
1837	53	39	8	19	82.5	48	70.5	45	S 78 40 W	24	88.97	215	150	51.5	15	1.5
1838	34	56.5	4	21	57	90	35.5	67	S 80 49 W	22	81.08	234	131	39.5	10.5	.5
1839	39	69	2.5	21.5	55	52	61	65	N 71 13 W	22	80.81	239.5	125.5	71	10	1
1840	16	56.5	4	28.5	90	41	70	60	S 70 01 W	8	29.97	195.5	170.5	86	22	1
1842	13.5	78.5	1	35	20.5	116.5	30	70	S 88 20 W	20	73.94	175.5	189.5	80	17.5	5.5
1843	8	89	4.5	37	21.5	86.5	30	38.5	N 67 41 W	19	69.49	178	187	73.5	30	2
1844	8	99.5	1.5	47.5	36.5	82.5	39	51.5	S 62 15 W	8	30.64	194	172	69	15.5	3.5
1845	14	53.5	12	43	32.5	92.5	60.5	57	S 65 40 W	27	99.82	222	143	53	16.5	1
1846	27.5	64	23	38	39	55	87	31.5	S 80 30 W	16	58.91	232	133	57.5	11.5	2
1847	43.5	64	10.5	13	53.5	43	103	34.5	N 77 49 W	26	95.01	211.5	153.5	52	10	2
1848	115	38	16	11.5	50.5	40.5	45	49.5	N 32 45 W	29	106.53	187	179	38	12	2
1849	101.5	59	42.5	15	62.5	20.5	35.5	28.5	N 5 04 E	21	76.06	175	190	49	15	1
Mean.	34.42	68.77	7.97	23.30	53.42	78.28	47.80	51.33	S 84° 57' W	18	66.82	205.33	159.92			
Total.	619.5	1238	143.5	419.5	961.5	1409.5	860.5	924				3696	2880			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1828	2.75	3.15	2.29	3.05	5.37	1.94	7.08	1.46	9.21	.96	5.62	.42	48.80	December.	September.
1829	2.21	2.13	1.84	3.59	2.06	3.50	4.45	3.06	2.40	8.60	2.46	1.69	22.54	March.	July.
1830	2.54	1.76	2.39	1.92	4.21	5.55	3.94	.15	1.60	2.70	5.94	3.13	34.58	August.	November.
1832	4.67	4.00	2.17	2.95	4.05	1.76	5.14	7.30	1.07	4.86	1.92	3.76	43.16	September.	August.
1833	2.42	.81	2.52	1.13	3.79	4.84	3.80	5.25	3.96	8.74	2.79	2.12	41.17	February.	October.
1834	1.82	.54	1.02	2.80	2.96	6.92	2.09	.42	8.73	2.91	1.10	2.80	29.23	August.	June.
1835	3.05	1.15	2.15	3.07	1.53	3.59	2.36	1.64	.94	1.05	2.41	1.20	25.04	September.	June.
1836	2.92	4.50	7.46	.42	2.50	5.20	4.68	1.30	1.10	2.25	1.72	3.28	30.27	March.	June.
1838	4.35	1.50	7.23	1.26	6.17	6.60	2.59	2.17	7.60	3.45	5.05	.22	45.24	December.	September.
1839	4.01	5.88	2.34	1.04	3.60	2.36	4.12	2.76	5.23	4.08	4.61	5.01	44.54	April.	February.
1840	3.29	2.52	2.45	3.09	2.00	2.53	2.95	3.68	4.08	1.87	3.89	1.60	38.98	December.	May.
1842	1.63	2.39	2.50	2.42	2.50	2.50	3.90	4.41	1.75	2.29	2.03	2.66	30.63	January.	August.
1843	1.11	1.18	3.23	2.12	2.21	2.40	1.01	7.41	2.25	6.46	2.23	1.85	33.51	July.	August.
1844	3.18	.69	1.17	.82	5.91	3.11	7.76	2.49	2.95	.45	1.60	2.84	31.87	February.	July.
1846	1.35	1.03	3.00	1.73	2.51	2.12	5.64	3.46	2.25	3.29	6.47	.90	34.75	September.	November.
1847	7.10	2.20	.50	1.64	2.12	1.85	1.55	1.05	6.85	1.98	1.50	1.98	29.42	March.	January.
1848	1.18	2.30	.60	.90	6.05	5.81	3.95	.91	2.06	5.16	2.48	3.32	34.72	March.	May.
1849	.52	1.56	3.16	.79	5.56	1.42	1.04	5.10	1.39	8.75	2.18	2.35	33.32	January.	October.
Mean.	2.73	2.09	2.26	1.99	4.09	3.52	3.17	3.00	3.19	3.61	3.11	2.25	35.58		
Total.	49.10	37.74	40.66	34.74	73.70	63.30	67.05	54.08	57.42	64.95	56.05	40.63	640.42		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1828	25	23	21	12	28	4	28	4	4	2	25	9	26	13	26	4	1	9	9	16	4	17	4	18
1829	17	3	9	5	29	18	29	6	28	10	7	25	22	1	9	26	1	7	25	21	17	11	7	22
1830	3	30	20	6	22	9	22	3	14	7	15	20	25	8	8	17	22	16	4	25	16	30	31	21
1832	19	27	12	24	24	18	14	8	13	24	16	5	1	11	14	25	19	13	20	26	1	15	8	22
1833	5	19	18	10	19	4	27	14	18	3	15	26	22	3	7	28	4	14	16	31	9	20	5	12
1834	18	24	22	7	19	22	16	9	24	15	9	5	8	31	12	28	4	29	2	29	9	15	6	14
1835	26	4	22	8	16	1	9	17	20	14	12	20	13	1	13	4	5	30	19	31	4	29	25	16
1836	13	28	23	5	28	2	29	6	21	27	17	20	8	26	19	9	19	29	2	31	11	25	13	30
1837	31	26	15	18	13	1	30	4	31	1	5	13	1	3	2	31	10	20	23	29	21	26	3	22
1838	17	31	8	17	15	1	29	17	31	5	19	6	10	22	24	15	7	3	8	20	8	6	22	16
1839	16	1	25	2	26	10	30	1	14	4	23	4	14	1	8	18	9	22	14	30	1	23	3	31
1840	19	1	28	6	31	10	30	11	31	8	12	21	14	30	31	7	29	2	30	6	30	4	24	
1842	29	13	3	17	4	31	22	4	17	20	26	11	27	31	26	1	12	22	1	20	6	20	4	23
1843	21	4	1	16	28	2	24	1	15	31	27	2	1	3	31	11	24	27	2	31	18	30	17	13
1844	3	27	20	25	13	5	14	1	25	22	27	11	14	16	9	29	5	30	18	31	16	28	7	28
1845	24	31	25	2	31	20	24	16	12	17	9	30	12	1	26	30	3	24	9	21	1	28	9	12
1846	2	18	4	27	20	1	21	3	25	11	5	22	11	17	6	26	6	28	18	22	3	26	3	16
1847	1	21	9	24	25	16	22	18	25	2	28	2	19	27	13	19	4	23	8	27	3	29	10	26
1848	1	11	21	12	30	15	22	13	19	1	17	7	26	9	17	19	5	26	17	22	1	20	19	23
1849	24	11	28	18	13	2	4	16	21	5	20	11	12	2	2	12	6	12	17	31	5	1	16	25

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1828	58	4	61	10	72	15	62	29	79	39	98	52	99	55	93	60	97	48	78	26	69	24	57	12
1829	52	2	42	— 3	65	12	82	34	90	36	86	46	93	49	95	53	94	34	74	24	57	18	69	14
1830	47	— 2	47	— 10	66	15	83	32	80	38	88	46	93	51	88	56	80	38	77	35	76	34	56	8
1832	52	— 5	49	3	67	10	85	26	76	41	93	51	85	55	90	46	85	41	76	29	66	19	47	14
1833	68	0	54	3	68	2	92	32	93	40	83	45	97	51	89	43	88	38	73	26	63	20	49	12
1834	54	— 2	54	3	69	14	83	28	89	30	93	50	100	58	97	50	87	30	79	28	60	20	53	— 7
1835	51	— 27	52	— 4	65	3	75	24	92	40	89	48	92	49	88	41	87	35	74	35	70	14	42	— 15
1836	44	— 1	50	— 14	53	0	83	20	90	40	88	44	91	52	88	44	83	35	70	24	65	24	52	4
1837	46	— 6	44	2	52	— 2	76	29	83	27	85	52	86	54	92	47	79	37	71	29	69	16	59	14
1838	56	12	50	10	55	11	71	29	80	39	92	52	93	55	90	50	88	41	76	32	53	21	46	— 6
1839	48	— 5	50	— 3	56	11	73	21	76	36	88	48	87	56	88	54	81	43	70	30	56	17	40	3
1840	41	— 6	47	6	49	17	60	32	78	40	87	52	89	61	83	56	85	46	76	33	65	17	43	6
1842	56	— 1	61	9	78	16	86	19	82	35	91	33	98	52	89	44	96	32	78	31	65	13	52	8
1843	58	2	55	0	60	5	78	22	85	36	94	32	97	50	89	56	89	34	74	30	60	18	40	6
1844	40	— 5	46	— 3	59	12	83	20	89	36	90	48	91	52	94	53	89	42	72	33	57	20	56	10
1845	49	8	66	4	70	21	72	29	98	38	94	52	98	54	94	57	84	41	80	31	72	16	40	2
1846	50	0	45	6	57	8	72	30	82	43	81	54	92	58	86	60	94	47	75	28	58	22	50	14
1847	54	8	54	— 5	56	19	80	16	84	34	92	40	97	50	92	50	89	40	71	20	73	8	60	7
1848	54	— 4	50	0	70	6	80	25	94	40	101	44	99	48	98	52	95	32	74	32	60	16	66	8
1849	51	— 10	44	— 11	61	10	69	26	90	38	102	51	105	52	96	50	94	44	80	32	69	23	47	0
Highest.	68		66		78		92		98		102		105		98		97		80		76		69	
Lowest.		— 27		— 14		— 2		10		27		32		48		44		30		20		8		— 15
Range.		95		80		80		82		71		70		57		54		63		60		68		84

SUMMARY OF OBSERVATIONS

AT THE

NEW-YORK INSTITUTION FOR THE DEAF AND DUMB,

NEW-YORK CITY, DURING FIVE YEARS.

Temperature of months, 6 years; winds, weather and temperature of halos of months, 5 years; rain gage, 3 years;
mean temperature, 6 years.

Latitude N. 42° 45'; Longitude W. 74° 02'.

[Thermometer by B. Pike & Son, N. Y., replaced several times. The rain gage used was the conical one. During a part of the time, observations were made at five feet and at eighty-five feet above the ground with the following results: total at 85 feet from the ground, from February, 1845, to July 15, 1846, 44,687. During same period at 5 feet, 60,232. Excess of the latter 15,545. Prof. O. W. MORRIS.]

OBSERVER.

1844 to 1850, except 1845, Prof. ORAN W. MORRIS.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1844	28,03	20,87	42	4	38	1	6		1		2	3	18	16	15	4	2		
1846	35,66	27,39	49	6	43	2	3,5	,5	1,5		6	10	7,5	11,5	19,5	3	1	3	3,91
1848	21,99	34,94	53	3	50		3	,5	6	1	7,5	2,5	10,5	11,5	19,5				
1849	21,17	30,68	49	—2	51		3		2	,5	7	4	14,5	15	16	16	6	1	,65
1850	42,29	45,60	56	16	40		10	,5	2,5		4	2,5	11,5	6	25	7	1	3	5,09
Mean.	29,83	31,89					,60	5,10	,30	2,60	,30	5,30	4,40	12,40	12,00	19,00			3,22
Total.						3	25,5	1,5	13	1,5	26,5	22	62	60	95				9,65
FEBRUARY.																			
1844	28,00	35,28	48	11	37	3	4		1	1	2	9	9	14	10	2	3	1	
1846	28,72	22,58	47	3	44	2	5				4	7,5	9,5	14	14	1		3,5	8,22
1848	27,15	33,90	50	10	40	1	6,5		,5		3	7	11	15	14				
1849	24,30	24,42	41	2	39		10,5				4,5	1	12	10,5	17,5	3	8	2	2,60
1850	32,74	35,62	58	11	47		,5	3,5		3	,5	8,5	4,5	7,5	5,5	22,5	6	3	1
Mean.	28,18	30,36					1,30	5,90		,90	,30	4,40	5,80	9,80	12,80	15,60			4,54
Total.						6,5	29,5		4,5	1,5	22	29	49	64	78				13,62

MARCH.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1844	43,46	38,21	58	20	38	3	7	1	4	1	1	8	6	10	21	7	1		
1846	33,04	40,82	59	14	85	2	5,5	,5	3,5	,5	2,5	5	11,5	18	13	4,5		,5	3,42
1848	30,18	41,80	62	10	52	,5	8		4,5		4	2,5	11,5	14,5	16,5				
1849	37,84	42,00	55	22	33	2	9	,5	3,5	1,5	2,5	3,5	8,5	11	20	10	3	2	5,19
1850	38,29	35,50	55	17	38	1,5	3	1,5			5,5	6,5	13	7	24	6	8	1	6,35
Mean.	36,56	39,67				1,80	6,50	,70	3,10	,60	3,10	5,10	10,10	12,10	18,90				4,98
Total.						9	32,5	3,5	15,5	3	15,5	25,5	50,5	60,5	94,5				14,96
APRIL.																			
1844	51,89	54,10	73	29	44	3	10	2	2	1	1	8	3	12	18	4			
1846	43,03	52,05	70	28	42	1,5	6	1,5	7	1	3,5	4	5,5	17	13	3,5		5	2,22
1848	48,17	49,93	68	30	38	1	2,5	1	8		4,5	3,5	9,5	17,5	13,5				
1849	45,89	45,72	62	24	38	1	3	1	5		4,5	6	9,5	14,5	15,5	6	1	1	1,05
1850	41,67	48,50	67	35	32	2	5,5	1	2	3	7,5	4	5	6,5	23,5	10	1	1	2,36
Mean.	46,13	50,06				1,70	5,40	1,30	4,80	1,00	4,20	5,10	6,50	13,5	16,5				1,88
Total.						8,5	27	6,5	24	5	21	25,5	32,5	67,50	83,50				5,63
MAY.																			
1844	61,73	63,00	76	47	29	1	2		6	1	10	5	6	17	14	6			
1846	53,66	58,54	77	39	38		1,5	1	8,5	,5	2,5	3	4	9,5	21,5	9,5			9,75
1848	57,02	64,26	79	44	35		6		12		2,5	6	4,2	11,5	19,5				
1849	50,98	57,73	77	38	39	,5	12	,5	8	,5	4,5	2,5	2,5	13	18	13			3,60
1850	62,50	73,29	79	43	36	4	8	,5	1,5	4,5	5,5	3,5	3,5	3	5	27,5	21		6,66
Mean.	57,18	63,36				1,10	5,90	,40	7,20	1,30	5,00	4,00	4,10	10,90	20,10				6,67
Total.						5,5	29,5	2	36	6,5	25	20	20,5	54,5	100,5				20,01
JUNE.																			
1844	64,30	71,15	80	54	26	1	7		2	2	8	5	5	19	11	2			
1846	65,15	64,79	78	50	28		9	,5	6	,5	5,5	5,5	3	8,5	21,5	7,5			2,06
1848	63,77	74,83	89	52	37		3	,5	8,5		3,5	10,5	4	10	14				
1849	62,91	74,95	90	52	38	1,5	4	1,5	7,5	1	4,5	7	3	16,5	13,5	5			,66
1850	67,76	73,29	88	50	38	1	3		1	3,5	6	10,5	5	10	20	12			2,60
Mean.	64,76	71,80				,70	5,20	,50	5,00	1,40	5,50	7,70	4,00	12,80	17,20				1,77
Total.						3,5	26	2,5	25	7	27,5	38,5	20	64	70				5,32
JULY.																			
1844	73,06	73,22	82	64	18		5	1	2	1	5	6	11	19	12	3			
1846	73,57	71,10	91	62	29	1	7		7,5		8	3	4,5	13,5	17,5	6			7,19
1848	69,36	73,53	86	58	28	1,5	5,5	1,5	11	,5	5	3	3	13	14				
1849	72,66	73,72	92	56	36	1,5	6,5		6,5	,5	7,5	6,5	2	11	14	4			2,56
1850	72,05	76,46	90	61	29	1,5	6	1,5	2,5	6	4,5	6	3	4	27	16			4,19
Mean.	72,14	73,69				1,10	6,00	,80	5,90	1,60	6,00	4,90	4,70	1,33	17,7				4,64
Total.						5,5	30	4	29,5	8	30	24,5	23,5	60,5	84,5				13,94

AUGUST.																			
YEARS	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1844	72,86	70,99	81	65	16		5		4	2	7	2	8	15	16	4			
1846	75,77	69,98	87	59	28	1,5	6,5	3	5		7	5	3	13	18	4			3,59
1848	73,44	68,27	81	56	25		6,5	3	8	2	3,5	4	4	17,5	13,5				
1849	71,65	72,59	82	60	22	,5	5		9,5	,5	3	6,5	6	15	16	6			2,84
1850	75,83	66,00	86	55	31	1,5	2,5		3		1,5	7	8,5	6,5	17,5	8			5,52
Mean.	73,91	69,57				,70	5,10	1,20	5,99	,90	4,40	4,90	5,90	13,40	14,20				3,98
Total.						3,5	25,5	6	29,5	4,5	22	24,5	29,5	67	71				11,95
SEPTEMBER.																			
1844	67,90	60,99	82	40	42	2	9		2	2	1	2	12	18	12	4			
1846	74,18	62,36	87	52	35	,5	4,5		4,5	3	7	5	5,5	20,5	9,5	2			,87
1848	66,24	56,99	84	38	46	2,5	,5		8,5		4,5	10	4	16,5	13,5				
1849	64,13	62,15	88	50	38	4	5,5	,5	4		6	2	8	17	13	5			3,31
1850	66,55	60,99	82	44	38	1	6	1	3	2,5	3,5	7,5	5,5	7,5	22,5	9			4,47
Mean.	67,80	60,69				2,00	5,10	,30	4,40	1,50	4,40	5,30	7,00	15,90	14,10				2,88
Total.						10	25,5	1,5	22	7,5	22	26,5	35	79,5	70,5				8,65
OCTOBER.																			
1844	54,49	51,49	66	39	27		13	1		2	3	3	9	13	18	7			
1846	56,97	46,81	79	40	39	1	4	,5	6,5	1,5	6	6	5,5	18,5	12,5	4			2,35
1848	52,76	50,64	71	36	35	,5	5,5		3,5	2,5	3,5	6,5	9	14,5	16,5				
1849	50,34	52,64	66	33	33	1,5	7	,5	6		3,5	5,5	7	11,5	19,5	10			5,98
1850	54,83	54,07	73	40	33		1,5	,5	2,5	1	8	8	9,5	8,5	22,5	12			1,44
Mean.	53,88	51,13				,60	6,20	,50	3,70	1,40	4,80	5,80	8,00	13,20	17,80				3,26
Total.						3	31	2,5	18,5	7	24	29	40	66	89				9,77
NOVEMBER.																			
1844	48,43	38,00	56	24	32	1	5		2		6	8	8	15	15	6		1	
1846	51,24	40,28	64	23	41	,5	13	,5	4		1,5	6,5	4	5	25	9,5	1		8,35
1848	37,58	37,82	52	20	32	,5	6,5		4	1	5,5	3	9,5	14,5	15,5				
1849	49,78	46,25	69	30	39	1	3,5		5,5		2	11	7	12,5	17,5	8			2,57
1850	48,83	43,08	62	24	38	4,5	4	,5	2,5	,5	6	5	7	8	22	10	1		3,95
Mean.	47,17	41,08				1,50	6,40	,20	3,60	,30	4,20	6,70	7,10	11,00	19,00				4,96
Total.						7,5	32	1	18	1,5	21	33,5	35,5	55	95				14,87
DECEMBER.																			
1844	34,89	33,65	53	16	37		9		1		1	8	12	16	15	5	2		
1846	33,34	32,56	50	18	32		5,5			,5	5,5	12,5	7	8,5	22,5	4,5	1,5	,5	3,32
1848	43,65	33,68	66	14	52	,5	12	1	3,5		5	6,5	2,5	8,5	22,5				
1849	33,17	32,39	50	9	41		7,5		,5		5,5	4,5	13	7,5	23,5	7	4	1	4,62
1850	37,43	29,78	53	14	39	2	6		1,5	,5	2	,8	11	2	29	6	7	3	4,88
Mean.	36,49	32,41				,50	8,00	,20	1,30	,20	3,80	7,90	9,10	8,50	22,50				4,27
Total.						2,5	40	1	6,5	1	19	39,5	45,5	42,5	112,5				12,82

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.	
	First Half.	Seco'd Half.																					
January, -	31, 89	31, 89	56	- 2	58	1, 60	5, 10	30	2, 60	30	5, 30	4, 40	12, 40	West.	14	4, 10	12, 00	19, 00				3, 22	9, 65
February, -	28, 18	30, 36	58	2	56	1, 30	5, 90	30	2, 90	30	4, 40	5, 50	9, 50	N 52° 52' W	45	13, 53	12, 80	15, 60				4, 54	13, 62
March, -	36, 56	39, 67	62	10	52	1, 80	6, 50	70	3, 10	30	3, 10	5, 10	10, 00	N 74° 19' W	40	12, 13	12, 10	18, 90				4, 98	14, 98
April, -	46, 13	50, 06	73	24	49	1, 70	5, 40	1, 30	4, 50	1, 00	4, 20	5, 10	6, 50	N 56° 29' W	16	4, 95	13, 50	16, 50				1, 88	5, 68
May, -	57, 18	63, 36	79	33	41	1, 10	5, 90	40	7, 20	1, 30	5, 00	4, 00	4, 10	N 23° 45' W	6	1, 91	10, 30	20, 10				6, 67	20, 01
June, -	64, 76	71, 80	90	50	40	1, 70	5, 20	50	5, 00	1, 40	5, 50	7, 70	4, 00	N 76° 24' W	23	6, 59	12, 80	17, 20				1, 77	5, 32
July, -	72, 14	73, 60	92	56	36	1, 10	6, 00	80	5, 90	1, 60	6, 00	4, 90	4, 70	N 67° 26' W	12	8, 52	13, 30	17, 70				4, 64	13, 90
August, -	73, 31	69, 57	87	55	32	70	5, 10	1, 20	5, 90	90	4, 40	4, 90	5, 90	N 84° 50' W	11	8, 22	14, 00	17, 00				3, 98	11, 95
September, -	67, 80	60, 69	83	33	50	2, 00	5, 10	30	4, 40	1, 50	4, 40	5, 30	7, 00	N 65° 57' W	23	6, 94	15, 90	14, 10				2, 88	8, 65
October, -	53, 88	51, 13	79	33	46	1, 60	6, 20	50	3, 70	1, 40	4, 80	5, 80	8, 00	N 66° 17' W	27	8, 03	13, 20	17, 80				8, 26	9, 77
November, -	47, 17	41, 03	69	20	49	1, 50	6, 40	20	3, 60	30	4, 20	6, 70	7, 10	N 53° 49' W	33	10, 06	11, 00	19, 00				4, 96	14, 87
December, -	36, 49	32, 41	66	9	57	1, 50	8, 00	20	1, 30	30	3, 50	7, 90	9, 10	N 49° 24' W	46	13, 80	8, 50	22, 50				4, 27	12, 82
Mean, -	51, 34	51, 30				1, 13	5, 90	53	4, 04	90	4, 59	5, 63	7, 39	N 61° 39' W	25	7, 44	12, 50	17, 90				3, 92	12, 60

Highest degree, July 13, 1849, - - - - 92°
 Lowest degree, January 11, 1849, - - - - -2
 Extreme range in 5 years, - - - - - 94
 Greatest monthly range in January.
 Least monthly range in August.

Mean monthly range, 47°.
 Driest month, June.
 Wettest month, March.
 Total fall of rain and snow in 3 years, 12 feet 7,21 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1844	24, 45	31, 64	40, 83	52, 99	62, 86	67, 72	73, 14	71, 92	64, 44	52, 94	42, 21	34, 27	51, 57	82	4	78	44	January 27,	July 22,	October 31,	November 28,
1846	31, 39	25, 65	36, 93	47, 54	56, 18	64, 97	72, 30	72, 79	68, 27	51, 73	45, 75	32, 98	50, 54	91	3	58	45	February 26,	July 11,	October 19,	November 25,
1847	30, 13	30, 45	34, 37	47, 10	56, 98	67, 01	73, 48	70, 19	62, 41	50, 80	46, 23	38, 05	50, 60	88	11	77	56	January 12,	July 19,	October 28,	November 28,
1848	33, 52	30, 41	36, 68	49, 05	60, 75	69, 30	71, 51	70, 77	61, 62	51, 67	37, 70	33, 51	50, 96	89	8	86	52	January 10,	June 16,	October 9,	November 11,
1849	26, 08	24, 36	38, 05	45, 81	54, 37	63, 93	73, 21	72, 13	63, 19	51, 53	48, 02	32, 77	49, 86	92	2	94	51	January 11,	July 13,	October 15,	December 2,
1850	44, 98	34, 18	36, 52	45, 05	55, 49	70, 35	74, 97	71, 22	63, 77	54, 43	45, 98	33, 19	52, 55	90	11	79	47	February 5,	July 80,	October 9,	November 17,
Mean.	31, 76	29, 45	37, 28	47, 93	57, 63	65, 07	73, 10	71, 50	63, 94	52, 19	44, 31	34, 95	51, 01								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1844	15	82	5	27	13	47	67	101	N 49° 59' W	34	122, 52	189	174	54	8	2
1846	12	81	3	54	7, 5	59	73	70, 5	N 64° 21' W	20	73, 34	157, 5	207, 5	59	3, 5	8
1848	8	65, 5	7, 5	78	7	52	65	83	N 74° 25' W	14	52, 51	170	196			
1849	13, 5	76, 5	4, 5	58	4, 5	55	60	93	N 53° 08' W	22	81, 44	181	204	83	17	5
1850	19, 5	59	7	25	22	62, 5	73	90	N 70° 17' W	33	121, 45	75	283	123	21	9
Mean.	13, 60	72, 80	5, 40	48, 40	10, 80	55, 10	67, 60	87, 50	N 60° 57' W	24	88, 47	150, 5	212, 9			
Total.	68	364	27	242	54	275, 5	338	437, 5				752, 5	1064, 5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1846	3.91	8.22	3.42	2.22	9.75	2.06	7.19	3.59	8.77	2.35	8.35	3.32	55.29	September. January. October.	May. October. May.
1849	5.65	2.60	5.19	1.05	8.60	2.66	2.56	2.84	8.34	5.98	2.57	4.62	35.63		
1850	5.09	2.50	6.35	2.36	6.66	2.60	4.19	5.52	4.47	1.14	3.95	4.83	47.86		
Mean.	3.22	4.54	4.99	1.88	6.67	1.77	4.64	8.98	2.88	3.26	4.96	4.27	46.26		
Total.	9.65	13.62	14.96	5.63	20.01	5.82	13.94	11.95	8.65	9.77	14.87	12.82	138.77		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1844	17	27	21	1	25	31	15	1	25	22	28	11	22	16	4	26	18	29	10	31	8	28	7	28
1846	2	18	5	26	20	1	21	4	26	11	19	22	11	17	6	26	6	28	9	23	3	26	3	23
1848	1	10	21	11	31	15	10	3	20	2	16	7	26	7	17	24	5	23	1	22	4	10	8	23
1849	26	11	24	18	31	3	8	15	23	7	22	10	13	4	30	1	17	27	22	31	4	2	20	25
1850	27	1	9	5	15	4	30	14	28	16	30	1	30	30	6	28	6	30	17	30	2	23	4	31

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1844	42	4	48	11	58	20	73	29	76	47	80	54	82	64	81	65	82	40	66	39	56	24	53	16
1846	49	6	47	3	59	14	70	28	77	39	78	50	91	62	87	59	87	52	79	40	64	23	50	18
1848	53	3	50	10	62	10	68	30	79	44	89	52	86	58	81	56	84	38	71	36	52	20	66	14
1849	49	2	41	2	55	22	62	24	77	38	90	52	92	56	82	60	88	50	66	33	69	30	50	9
1850	56	16	58	11	55	17	67	35	72	43	88	50	90	62	86	55	82	44	73	40	62	28	53	14
Highest.	56		58		62		73		79		90		92		87		88		79		69		66	
Lowest.		2		2		10		24		38		50		56		55		38		33		20		9
Range.		58		56		52		49		41		40		56		32		50		46		48		57

SUMMARY OF OBSERVATIONS AT NORTH SALEM ACADEMY,

NORTH SALEM, WESTCHESTER COUNTY, N. Y., DURING NINETEEN YEARS.

Latitude N. 41° 26', Longitude W. 73° 33'.

[Situated on the N. bank of the river Titicus, a tributary of Croton river, about 20 miles from Peekskill, 861.39 feet above tide, as determined very accurately by recent railroad surveys. The valley of the Titicus is from a half mile to a mile and a half wide, and is bordered by hills a hundred to three hundred feet in height. These are often rocky, containing rocks of micaceous granite, and in several places coarsely crystalline limestone crops out and crosses the valley. Near the Academy the valley extends from N. W. to S. E., but is so wide that the winds must be slightly if at all modified by it. The thermometer, in use in 1840-42, was by Pike of N. Y. This was then replaced by one purchased of Roach and Warner of N. Y., which is half a degree above the standard now used. It was placed outside of a second story window, on the north side of the Academy, protected from the morning sun in summer. In the afternoon several observations were made between 1 and 4, and highest recorded. In the evening it was observed at 9. The conical rain gage was used, at an elevation of 5 feet from the ground, on a post and at a distance from the building. No change was made in these arrangements during the last 10 years. JOHN F. JENKINS.]

OBSERVERS.

1829, (except Rain gage,) Rev. HIRAM TELLEFF, Principal.
1830, '31, '32, '33, Rev. HIRAM TELLEFF, Principal.
1834, H. TELLEFF and JOHN C. JONES, Principals.
1835, JOHN C. JONES, Principal.
1838, WILLIAM S. TOZER, Principal.
1840, JOHN F. JENKINS, Principal.

1841, '42, '43, '44, JOHN F. JENKINS, Principal, and Jno P. JENKINS, Student.
1845, '46, JOHN F. JENKINS, and J. W. BYINGTON, Student.
1847, JOHN F. JENKINS, Principal.
1848, '49, J. F. JENKINS, Principal, and JAMES H. JENKINS.
1850, JOHN F. JENKINS, Principal.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	25,10	31,81	49	—	150	3,5	4	1	2,5		6,5	4	9,5	16	15	5	4		
1830	32,11	21,63	48	—	452	2	4		2	,5	7,5	2	13	19,5	11,5	2,5	2		2,18
1831	26,28	16,08	65	—	1277	4,5	4,5		4		3	1,5	13,5	18,5	12,5	2	6		2,09
1832	27,66	26,96	54	—	1165	1	2	2,5	4,5		3,5	5	12,5	18	13	5	3	,5	3,18
1833	32,51	28,37	65	—	659	2,5	4,5	,5	1	2	10	1,5	9	12,5	18,5	5	,5	,5	3,17
1834	22,16	24,52	55	—	156		4,5	,5	2	1	5	1,5	16,5	20,5	10,5	2,5	2,5	,5	1,52
1835	13,55	35,72	52	—	3183	2	2	1	3	1,5	4	5	12,5	25	6	5,5			6,12
1838	31,67	27,94	66	—	363	2,5		5,5	1,5	3	5	7,5	6	19,5	11,5	1,5	,5	,5	2,45
1840	17,86	18,86	47	—	1562	1	4	1	,5		7,5	3,5	13,5	15,5	15,5	2	4	1	1,46
1841	29,03	29,39	62	—	1880	3,5	4	2,5	2	2	4,5	3,5	9	9	22	9	3	2	6,20
1842	27,69	33,23	53	—	760	2	1	,5	,5	1,5	10,5	6,5	8,5	18,5	12,5	2	4	1	1,55
1843	34,15	33,72	56	—	662	1	3	2	3,5	3,5	7	4	7	14,5	16,5	6			2,51
1844	24,52	16,65	48	—	452	,5	1,5	4	3	1,5	2	3	15	19,5	11,5	4	2	2	2,77
1845	30,24	29,55	49	—	841	1	3,5	2,5	3	1	7,5	3	9,5	17	14	5	4	1	4,94
1846	32,56	24,82	49	—	150	1	2	1	2,5	1	9	6	8,5	16	15	2	2	1	4,07
1847	31,11	25,38	60	—	262	1,5	1,5	1,5	4,5	2,5	8	5	6,5	17	14	3	2	2	3,61
1848	29,60	33,19	56	—	258	2	2,5	,5	4	4,5	4	2	11,5	18	13	4	2		1,46
1849	18,29	27,61	52	—	456	3	,5	,5	3	6	3	4,5	10,5	21	10	4	1		1,55
1850	28,05	31,45	52	—	844	3	2,5	3	3,5	3,5	7	1	7,5	12,5	18,5	4	3	2	4,46
Mean.	27,06	27,20				1,98	2,71	1,58	2,66	1,84	6,02	3,71	10,50	17,26	13,74				3,07
Total.						37,5	51,5	30	50,5	35	114,5	70,5	199,5	328	261				55,29

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1829	23,10	22,64	40	— 3	43	,5	5	1,5		,5	6	4	10,5	18	10	1	4		
1830	16,99	34,10	55	—14	69	2,5	5		,5		2	1	17	17,5	10,5	1,5	1	,5	1,82
1831	15,95	28,08	42	—11	53	1,5	3	,5	1		5,5	11,5	5	22,5	5,5	2,5		,5	2,54
1832	28,55	27,68	49	—11	60	1	9	,5	4		3	1	10,5	16,5	12,5	4	2	1	1,61
1833	23,86	28,24	48	— 0	48	1	5,5	,5	2	,5	5,5	,5	12,5	15,5	12,5		3	1	1,13
1834	29,71	39,04	55	— 6	49	,5	4,5	,5	4,5		2	1,5	14,5	18,5	9,5	1	1		,82
1835	17,09	28,34	51	—12	63	1,5	4,5		1	1	5,5	6	8,5	17,5	10,5	1,5	3,5	1	,82
1838	19,74	11,01	48	—10	58	,5		2,5		,5	1,5	9	13	20,5	7,5	1	,5		,96
1840	23,48	36,97	72	—13	85	3	5,5	2	2	3	5	1	7,5	14	15	6	2	1	1,92
1841	17,81	26,29	52	—12	64	1,5	2,5	,5		,5	5,5	10	7,5	16	12	1	5		1,70
1842	38,81	31,66	56	—10	46	,5	1,5	1	2	1	6	6,5	9,5	18	10	10		2	4,78
1843	19,65	20,64	41	— 6	47	1	3	1	2	3,5	7	3	7,5	13,5	14,5	1	8		3,27
1844	24,60	29,83	53	—1	52	1	4,5	,5	1,5	1,5	9	6	5	18,5	10,5		4		,88
1845	17,34	39,47	59	— 4	63	,5	2,5	2,5	,5	3,5	6,5	5	7	18	10	2	3		2,87
1846	27,46	19,95	48	— 5	53	1,5	5,5	1,5	,5	1	7,5	4,5	6	17,5	10,5		5	1	2,65
1847	28,61	25,56	50	—10	60	,5	5,5	3	1,5	1,5	7,5	3	5,5	12,5	15,5	2	7	2	5,40
1848	21,54	29,13	48	—14	7	1	1	2	1	,5	3	5,5	15	17,5	11,5	1	4	1	1,60
1849	20,39	21,29	52	—15	67	2,5	8	,5	5	2	1	1,5	7,5	14	14	1	8	1	2,09
1850	30,63	32,52	56	— 2	54	1,5	,5	,5	5	1,5	6	6,5	6,5	16,5	11,5	3	2	1	4,67
Mean.	23,44	28,02				1,24	4,03	1,11	1,84	1,16	5,00	4,59	9,26	16,97	11,28				2,29
Total.						23,5	76,5	21	35	22	95	87	176	322,5	213,5				41,53

MARCH.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1829	34,86	35,06	62	—15	47	1,5	3	1	,5	2	8,5	3,5	11	22	9	2	4		
1830	34,18	43,13	68	— 9	59	1	8		3	,5	7,5	2	9	17	14	5	3		5,05
1831	38,80	43,32	65	—21	44	,5	1	1,5	2	4,5	8	2,5	11	19,5	11,5	6	1,5		2,38
1832	40,58	34,94	68	— 7	61	,5	1,5		8,5	1,5	5,5	,5	13	19,5	11,5	5,5	1		3,40
1833	25,45	41,87	66	— 0	66	2	7	,5	3,5		2	1,5	14,5	21,5	9,5	2	2,5	,5	3,34
1834	37,52	38,91	68	—18	50		1		4		9		17	21	10	3	2		1,28
1835	27,98	37,69	58	— 7	65	1	8	1	,5	4	7,5	3	6	23,5	7,5	1	2,5	2	1,77
1838	31,48	35,17	58	— 8	50		2	7,5	2,5	1,5	2,5	9,5	5,5	17	14	,5	2,5	2	1,52
1840	36,04	36,26	68	—12	56	1	2,5	2,5	4,5	3	6,5	3,5	7,5	14,5	16,5	3	1	4	2,45
1841	31,56	39,53	71	—10	61	5,5	5,5	1,5	1	2,5	4,5	2	8,5	17,5	13,5	2	6	1	2,51
1842	43,13	42,35	72	—16	56	2,5	2	1,5	2,5	1,5	9,5	3	8,5	14	17	6	3	1	1,50
1843	24,43	29,01	48	—24	6	1,5	2	2	2	2	4,5	3,5	13,5	15,5	15,5	3	5	1	5,53
1844	35,99	37,42	62	—12	50	2	2,5	1,5	5,5	3,5	7	,5	8,5	13	18	5	2	2	4,44
1845	38,58	39,98	76	—22	54	1	1,5	2	2,5	5,5	6,5	5	7	18	13	4	2	1	2,37
1846	32,40	40,40	61	— 2	59		3		5,5	3	6,5	4,5	8,5	21,5	9,5	4	1		3,71
1847	30,30	33,96	58	— 8	50	1	2,5	,5	4	5	3,5	5,5	9	16	15	5	2	1	3,76
1848	28,20	39,77	67	— 8	59	1,5	4	1	3,5	5	3	2	11	19	12	5	2		2,05
1849	33,08	41,05	62	—13	49	3,5	3,5	1	5	4,5	2,5	2,5	8,5	16	15	8	2	2	5,19
1850	34,86	31,27	67	— 3	64	1,5	2,5	1,5	1,5	1,5	4	7,5	11	18,5	12,5	2	6	1	3,68
Mean.	33,65	37,95				1,45	3,32	1,39	3,26	2,69	5,71	3,26	9,92	18,13	12,87				3,11
Total.						27,5	63	26,5	62	51	108,5	62	188,5	344,5	244,5				55,93

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1829	44,80	53,40	74	33	41	2,5	3	2,5	6	3	2,5	5,5	5	20	10	6	1		
1830	47,19	51,22	83	26	57	6,5	13	1,5	,5	2,5	1,5	1	3,5	18,5	11,5	5			1,76
1831	47,91	50,85	75	29	46	,5	6	3,5	4	1,5	5	2	7,5	16,5	13,5	8		,5	5,79
1832	44,22	45,47	82	22	60	,5	10,5	1	3,5		5	1	8,5	18,5	11,5	7		,5	2,97
1833	51,30	52,27	88	28	60	,5	6	3	5,5	1,5	2	2	9,5	23	7	3,5			1,57
1834	47,10	47,79	83	20	63	2	4,5	2	1,5	1,5	6,5	2,5	9,5	16	14	7,5			4,38
1835	44,86	42,55	69	26	43	,5	5,5	1	5,5	3,5	3,5	5,5	5	18	12	6,5	,5	,5	6,25
1838	38,21	38,89	71	22	49	1,5	1,5	4,5	,5	,5	3,5	9	9	18,5	11,5	2	1		2,04
1840	41,70	51,96	81	19	62	1	,5	1,5	5,5	5	6,5	3	7	18,5	11,5	5	1		4,18
1841	37,86	47,71	65	23	42	4	6	,5	1,5	1,5	6	1,5	9	13	17	14	2	1	4,38
1842	45,66	50,75	80	26	54	4,5	6	2,5	3	,5	5	2	6,5	16	14	13			4,95
1843	40,79	52,49	69	27	42	1	5	3,5	2,5	3	2	3,5	9,5	16,5	13,5	8		1	4,03
1844	51,10	53,60	82	23	59	1,5	2,5	2	7,5	4	7,5	2	3	18	12	4			1,73
1845	42,48	49,77	77	26	51	,5	3	2,5	5,5	2,5	4,5	4	7,5	15,5	14,5	6			1,62
1846	43,51	54,55	83	24	59	1,5	1	1,5	6	5	6	4	5	22	8	5			1,95
1847	42,41	47,22	83	15	68	2	1,5	1	2	5,5	7,5	3	7,5	22	8	4	1		1,28
1848	44,65	48,44	70	25	45	1	1,5	,5	3	7	3	4	10	21,5	8,5	4	1		1,23
1849	44,69	45,37	68	24	44	1	1	,5	7,5	4	1,5	3	11,5	20	10	4			1,35
1850	37,99	47,39	69	18	51		2		7	2	8,5	1	9,5	14,5	15,5	4	2	1	2,73
Mean.	44,13	49,04				1,71	4,21	1,84	4,11	2,84	4,61	3,13	7,55	18,24	11,76				3,01
Total.						32,5	80	35	78	54	87,5	59,5	143,5	346,5	223,5				54,19
MAY.																			
1829	55,50	70,30	85	41	44	3	2,5	1,5	4,5	7,5	6,5	2,5	3	19,5	11,5	8			
1830	58,50	56,36	78	32	46	4	7	3	5	1,5	3,5	1,5	5,5	20,5	10,5	7,5			3,29
1831	54,37	66,35	92	38	54		5	1	5,5	,5	7	3	9	20	11	5			3,41
1832	56,40	54,45	77	32	45	1	6		10,5	3	2		8,5	16	15	5,5			3,58
1833	60,57	62,72	82	32	50	2,5	10,5	6,5	4,5	1	3	,5	2,5	13,5	17,5	8,5			5,11
1834	48,23	59,47	82	26	56	1	2,5	3	8	3,5	4	1	8	17	14	5,5			4,44
1835	51,13	61,67	91	35	56		6,5	2	2,5	4	5	6,5	4,5	25	6	5			1,46
1838	47,31	59,83	86	30	56	,5	,5	4	4,5	2,5	8,5	8	2,5	19,5	11,5	4,5			3,48
1840	50,03	62,14	88	30	58	3,5	3,5	1,5	5,5	3,5	5	2,5	6	21	10	6		1	3,63
1841	47,14	61,81	89	24	65	1	3	,5	1	3	9,5	6,5	6,5	16,5	14,5	9		1	2,54
1842	51,16	56,09	79	28	51	1,5	2,5	1	6	2	8	3,5	6,5	16	15	11			4,99
1843	55,64	56,98	82	35	47	2	2,5	,5	7	3	5	4,5	6,5	17	14	6			2,06
1844	59,56	62,09	88	39	49	1	,5		4	7	10	4	4,5	18	13	13			5,49
1845	58,40	53,29	90	35	55	3,5	1,5		1,5	5,5	10,5	2,5	6	20	11	8		1	2,60
1846	57,25	60,10	91	35	56	1,5	,5	4	9,5	4	6,5	2,5	2,5	13,5	17,5	11			6,90
1847	54,63	58,77	87	32	55		9	2,5	10	1	3	2	3,5	17,5	13,5	6			2,05
1848	55,96	63,85	88	35	53	,5	2	,5	9	7	5,5	2	4,5	15,5	15,5	10			7,02
1849	50,39	57,44	84	36	48	,5	5,5	2,5	9,5	2	6,5		4,5	16	15	10			5,85
1850	51,61	52,56	82	29	53	,5	4	1	6,5	1	6	3,5	8,5	11	20	12			7,60
Mean.	51,77	59,80				1,45	3,95	1,84	6,03	3,29	6,05	2,97	5,42	17,52	13,48				4,19
Total.						27,5	75	35	114,5	62,5	115	56,5	103	333	256				75,50

JUNE.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	69,76	68,26	82	57	25		1,5	,5	6	1,5	7	3,5	10	21,5	8,5	5			
1830	64,19	66,32	89	46	43	2,5	4,5	2	5	1	5,5	2,5	7	18,5	11,5	9,5			5,97
1831	73,58	71,30	93	49	44		4	,5	8	1,5	10	1,5	4,5	20	10	5,5			3,31
1832	62,58	69,33	90	40	50	3,5	3		4,5	1	8	2,5	7,5	22	8	2			1,25
1833	62,06	63,66	84	37	47	5	3,5	3,5	5	1,5	3,5	2	6	21	9	6,5			3,89
1834	61,82	63,64	93	38	55	,5	1,5	3,5	2,5	6	4	6,5	5,5	20,5	9,5	7,5			7,02
1835	67,01	60,65	89	42	47	,5		3,5	4	2,5	4,5	10,5	4,5	25,5	4,5	3,5			1,96
1838	69,13	69,07	95	46	49		1,5	1	5	1	12,5	6	3	21,5	8,5	2			3,48
1840	61,04	65,32	92	41	51	,5	1	2	3	3	10	4,5	6	18	12	2			3,52
1841	67,97	70,00	94	48	46	1	1,5		3	5	7	6,5	6	20	10	8			2,93
1842	60,01	68,41	91	30	61	1	1,5	1,5	4,5	5	9,5	2,5	4,5	19,5	10,5	9			2,77
1843	61,52	67,97	91	36	55	1		,5	2	5	13	3,5	5	20	10	7			2,58
1844	60,60	69,72	93	45	48	,5	,5	,5	3	9,5	6	3	7	19	11	7			2,67
1845	68,44	65,40	93	41	52	1	,5	1	2,5	10,5	8	2,5	4	21	9	10			2,05
1846	66,38	64,50	87	46	41	1	2,5		6,5	5,5	10	1,5	3	17	13	11			3,43
1847	61,69	67,21	92	45	47	1	,5	,5	8,5	3	8	4,5	4	20,5	9,5	9			3,60
1848	60,26	72,05	93	40	53	,5	1	,5	3	7,5	7	3,5	7	19,5	10,5	8			4,41
1849	62,69	70,77	93	41	52	1	1,5	,5	7,5	3	11	2	3	20	10	5			1,09
1850	64,57	70,07	95	44	51	1,5	1,5	,5	3	3	11	3	6,5	19,5	10,5	9			5,41
Mean.	64,48	67,56				1,16	1,66	1,16	4,55	4,03	8,18	3,79	5,47	20,24	9,76				3,41
Total.						22	31,5	22	86,5	76,5	155,5	72	104	384,5	185,5				61,34

JULY.

1829	70,30	74,84	84	61	23		2	2	4,5	1,5	6	6,5	8,5	19,5	11,5	8			
1830	70,16	73,55	97	52	45	2,5	6	3,5	2,5		5,5	4,5	6,5	20	11	5,5			5,50
1831	71,16	75,80	89	46	43	2,5	1,5	2	5,5	2,5	9,5	2,5	5	19,5	11,5	5			4,39
1832	69,25	71,03	93	50	43	3	3,5	1	5	2	6,5	3	6,5	21,5	9,5	6			3,65
1833	70,39	69,67	94	50	44	,5	6,5	1	1,5	1	8,5	2	10	23,5	7,5	5			3,01
1834	74,82	76,98	97	50	47	2,5	1,5	1	3,5	1,5	12	8	1	21,5	9,5	7			4,45
1835	70,67	72,09	92	47	45	1,5		2	5	2,5	11	7,5	1,5	22,5	8,5	6,5			5,52
1838	77,54	72,41	101	50	51	,5	3,5	1,5	1,5	2,5	9,5	2,5	9,5	20,5	10,5	2,5			1,79
1840	70,86	75,85	89	61	28	3	1,5	1	3,5	7	3	4,5	7,5	19	12	6,5			2,95
1841	69,19	71,29	102	47	55	,5	,5	1	1	4	13	2,5	8,5	22	9	7			1,87
1842	71,96	71,76	96	50	46	2,5	1,5		2	4,5	14,5	2	4	19	12	11			5,56
1843	67,65	70,46	92	42	50	,5	,5	,5	4	6,5	9	4	6	18,5	12,5	8			3,99
1844	68,91	68,58	89	42	47	1	1,5	1	4	7,5	11,5	2	2,5	17,5	13,5	12			6,63
1845	71,29	70,50	100	48	52	,5	,5		2	6,5	11,5	4,5	5,5	25,5	5,5	7			2,36
1846	71,50	70,51	96	55	41	1,5	2,5	1,5	6,5	5	10	1,5	2,5	17,5	13,5	12			7,20
1847	72,42	72,23	95	46	49	2,5	2,5	,5	7	5,5	7,5	1,5	4	21,5	9,5	8			5,00
1848	67,87	71,50	92	48	44	,5	1	1,5	6,5	6	12	2,5	1	18	13	9			4,27
1849	69,35	70,49	95	44	51	1	3,5	,5	8,5	4,5	6,5	2,5	4	24	7	5			1,32
1850	70,58	73,64	93	51	42	0	2,5	,5	5,5	4,5	12,5	1	4,5	18,5	12,5	7			6,81
Mean.	70,83	72,27				1,39	2,24	1,14	4,18	3,95	9,50	3,42	5,18	20,50	10,50				4,23
Total.						26,5	42,5	22,5	79,5	75	179,5	65	98,5	389,5	199,5				76,27

AUGUST.																				
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1829	74,83	70,15	85	61	24	1	3	1	7	2,5	7,5	3	6	24,5	6,5	5				
1830	70,58	67,65	90	48	42	6,5	5	,5	4,5	1	5	2	6,5	23	8	2,5				,41
1831	71,48	72,82	91	45	46		6,5	2	4,5	1,5	5	2,5	9	22	9	5				3,22
1832	72,85	70,69	85	53	32	2	4	,5	6	2,5	10,5	,5	5	18	13	8				7,99
1833	69,01	63,76	86	37	49	3,5	3,5	2	2,5	,5	7	2	10	23	8	4				2,69
1834	74,80	63,99	93	37	56	1	4,5	1	2,5	3	7,5	3	8,5	24,5	6,5	,5				,31
1835	66,70	68,66	98	40	58	,5	,5	4	3,5	3	4,5	10	5	21	10	4,5				2,07
1838	71,62	69,03	97	44	53	1	1	1	2,5		10	3	12,5	23,5	7,5	2				1,73
1840	67,17	69,16	90	50	40	1	1		2,5	4,5	13,5	4,5	4	20,5	10,5	8				3,19
1841	71,76	69,47	98	49	49	2,5	3,5	1	,5	5	9,5	3,5	5,5	19,5	11,5	9				1,78
1842	67,93	70,31	91	49	42	4,5	5	2	9,5	3	3	,5	3,5	14,5	16,5	12				6,05
1843	68,97	71,07	86	52	34	1	3,5	,5	4	7	7,5	2	5,5	16	15	8				8,74
1844	69,45	66,72	87	49	38	1	1		7	8,5	9,5	1,5	2,5	20,5	10,5	6				1,59
1845	73,21	71,52	90	53	37		2,5	,5	8,5	8,5	7	1	3	23	8	7				3,40
1846	73,02	68,47	93	46	47	1	2	,5	8	4,5	10	2,5	2,5	20,5	10,5	9				5,11
1847	70,32	65,53	88	47	41		4	1,5	8	5	7	1,5	4	20,5	10,5	5				3,25
1848	70,21	66,23	88	47	41	2	2,5	1	11	4,5	5,5	1	3,5	27	4	4				1,27
1849	68,06	69,56	87	50	37	1	1	1	8,5	8	5,5	,5	5,5	16	15	9				7,24
1850	70,83	63,49	92	44	48	2,5	2,5	1	2,5	1,5	5	4,5	11,5	21,5	9,5	7				4,97
Mean.	70,67	68,33				1,63	2,97	1,11	5,42	3,89	7,37	2,58	6,03	21,00	10,00					3,61
Total.						31	56,5	21	103	74	140	49	114,5	399	190					65,01
SEPTEMBER.																				
1829	64,73	60,90	86	50	36		1		2	2	7,5	7	10,5	23,5	6,5	5				
1830	64,95	56,34	81	28	53	3,5	9,5	1,5	4,5	2	2,5	2,5	4	19,5	10,5	4				2,25
1831	67,46	58,60	88	35	53	3	6	1,5	1,5	1,5	6,5	3	7	20,5	9,5	4,5				4,50
1832	60,31	59,30	74	34	40	1	6	1	2,5	2,5	5	1	11	22,5	7,5	3,5				2,25
1833	59,19	58,63	87	30	57	,5	2	2,5	3		7	2	13	21,5	8,5	3,5				3,06
1834	61,14	60,25	86	23	63		6	4,5	2,5	4	2	8,5	2,5	19	11	4,5				4,75
1835	61,14	51,13	86	28	58	1,5	2,5	4,5	3	3,5	3,5	7,5	4	25	5	2,5				1,44
1838	61,83	60,81	94	36	58	1	4,5	2	4	,5	7,5	3	7,5	19	11	4				5,14
1840	57,13	52,38	78	30	48	,5	1,5		1	3,5	9,5	4,5	9,5	16,5	13,5	6				2,70
1841	67,65	62,45	90	40	50	3,5	4	1	2	2,5	8	2,5	6,5	16,5	13,5	5				2,06
1842	66,34	51,54	90	30	60	3	3,5		1,5	1,5	8,5	2	10	20	10	10				3,80
1843	63,22	62,20	88	34	54	1	3,5	2	5,5	2,5	10	1	4,5	17,5	12,5	7				5,00
1844	62,43	55,31	83	36	47	4	4	1	5	5,5	2,5	1	7	23	7	3				1,96
1845	62,44	57,20	83	34	49	1		,5	5,5	5	9	4,5	4,5	21	9	6				3,84
1846	72,33	57,94	92	37	55	,5	2	2	2	9,5	9	1	4	25	5	2				,35
1847	65,73	54,97	87	34	53	,5	6	1,5	6	3	8	1,5	3,5	15	15	8				5,33
1848	68,46	58,59	95	32	63	13,5	,5	1		2	3	8	2	15,5	14,5	4				2,06
1849	59,88	58,31	86	40	46	1,5	3	4	5,5	2,5	5,5	2	6	23	7	4				1,43
1850	63,51	56,40	81	33	48	2	2,5	1	3	5	6	1,5	9	17,5	12,5	6				6,63
Mean.	63,67	57,54				2,18	3,58	1,65	3,16	3,09	6,34	3,37	6,63	20,05	9,95					3,25
Total.						41,5	68	31,5	60	58,5	120,5	64	126	381	189					58,55

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	56,83	53,09	73	33	40		4,5	2	3,5	4,5	6,5	4	6	22,5	8,5	3			
1830	51,65	50,44	78	25	53	4	9	2,5	3	,5	4,5	1	6,5	19,5	11,5	5,5			4,81
1831	54,98	51,13	80	30	50		4,5	1	3,5	2	7,5	1	11,5	21,5	9,5	5			6,51
1832	54,53	48,87	75	26	49	5	5	1,5	4	2,5	4		9	18	13	5			3,78
1833	53,84	43,69	75	21	54	,5	4		6,5		8,5	1,5	10	16	15	8			9,90
1834	52,83	40,83	77	18	59		4		1,5	2,5	5,5	17,5		25	6	3,5			2,15
1835	50,25	56,96	75	24	51	4	4,5	2	5	3	7	1,5	4	19	12	3			3,42
1838	52,89	37,44	81	22	59		5,5	3	2,5		3,5	9	7,5	20,5	10,5	4	,5		3,42
1840	51,67	45,83	74	24	50	2	2,5	,5	2,5	2	9	4	8,5	14	17	7	1	,5	5,82
1841	47,13	41,60	68	17	51	2	1			,5	7	7	13,5	18	13	7		1	4,08
1842	51,03	44,71	71	28	43	3		1,5	4,5	2	8,5	4	7,5	20,5	10,5	5			4,57
1843	50,38	42,82	70	26	44	2	1	,5	2,5	4	10	4,5	6,5	15,5	15,5	8	1		5,80
1844	48,93	46,99	71	28	43	3	1,5	,5	6	2,5	9,5	2,5	5,5	16	15	9			4,33
1845	57,53	44,64	75	17	58	1,5	2	1	6	5	7,5	1,5	6,5	20,5	10,5	4			4,17
1846	52,51	42,89	81	24	57	4	,5	1	4	4,5	11,5	2	3,5	21	10	5			2,59
1847	48,51	45,13	71	20	51	2	1,5	2,5	6	3	7	1,5	7,5	23	8	4			3,61
1848	50,38	48,16	74	28	46	2	2	1,5	7	5,5	2,5	5	5,5	16,5	14,5	4			2,56
1849	47,71	50,27	68	28	40	4,5	2	4	5	4	4,5	2	5	13,5	17,5	9			7,88
1850	50,35	50,08	73	26	47	1	,5	1	3	4	9,5	1,5	10,5	19,5	11,5	4			1,64
Mean.	51,78	46,60				2,13	2,92	1,37	4,00	2,74	7,04	3,71	7,09	18,94	12,06				4,50
Total.						40,5	55,5	26	76	52	133,5	70,5	134,5	360	229				81,04

NOVEMBER.																			
1829	39,33	38,48	58	18	40	3	4	1	2	3	8	2	7	13	17	6	1	1	
1830	50,62	44,56	70	24	46	2,5	12	3,5	1,5		1	2,5	7	12,5	17,5	10,5			3,41
1831	42,89	35,64	60	21	39	,5	2		4,5		4,5	1,5	17	20	10	3	1,5	,5	3,02
1832	42,91	40,99	64	12	52	,5	3	1	4,5	1,5	5,5	1	13	14,5	15,5	5,5			3,60
1833	41,95	31,98	65	15	50	,5	2,5	,5	2	,5	8,5	4,5	11	21	9	3,5	,5		1,97
1834	37,59	34,43	51	14	37		10	,5	1,5	1,5	,5	10	6	21,5	8,5	1	3		,83
1835	45,95	32,34	74	8	66	2	6	1,5	2	,5	8	6	4	15	15	2	,5	1	1,88
1838	38,94	25,96	62	—	163	,5	2	3,5	4,5	,5	2	5,5	11,5	17	13	3	,5		3,91
1840	42,61	35,08	62	22	40	2,5	5,5	1	,5	1,5	3,5	3,5	12	17	13	6	1	2	2,81
1841	40,10	30,05	70	5	65	2,5	3	1	,5	1	5,5	5,5	11	15,5	14,5	5	2	2	4,17
1842	40,75	31,02	62	15	47	,5	5	2	2	1	4,5	5,5	9,5	18,5	11,5	5	3		2,53
1843	34,27	39,07	60	16	44	2	,5	1,5	2,5	2	9	3,5	9	16,5	13,5	7	2		3,90
1844	43,74	33,92	60	14	46		2	,5	4	6	6	4	7,5	16,5	13,5	6	1		1,23
1845	45,96	38,96	69	11	58		,5	3	2,5	2,5	10,5	3	8	18	12	6	1		5,48
1846	50,83	38,41	65	21	44	1,5	9,5	1,5	2	4,5	4	4	3	12	18	10	1	1	4,78
1847	46,99	39,63	72	7	65	2	,5	,5	3	5	7,5	4,5	7	18	12	2			3,02
1848	35,25	34,72	53	15	38	2	1,5	,5	4,5	4	6,5	3,5	7,5	20,5	9,5	2	2		2,81
1849	47,75	43,32	68	20	48	1	2,5	2,5	4,5	3	9	1,5	6	16	14	4			4,42
1850	44,29	38,67	61	21	40	4	3	,5	5	1	6,5	1	10	15,5	14,5	4			3,03
Mean.	42,77	36,17				1,35	3,94	1,37	2,81	2,05	6,02	3,75	8,71	16,76	13,24				3,16
Total.						27,5	75	26	53,5	39	114,5	71,5	167	318,5	251,5				56,80

DECEMBER.																				
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1829	38,72	38,73	64	15,49		4	6	5	2	2	7	1,5	8	17,5	13,5	4	1	1		
1830	35,77	33,11	56	10,66		1	5,5	2	5	1	4	4	8,5	16	15	7	2	5	6,92	
1831	15,82	18,10	38	15,53			5		1,5	1	4	1	18	17,5	13,5	5	4,5		60	
1832	35,41	30,13	49	4,45		4	5	2	3	1	2,5	4	9,5	13	18	6,5	2,5	1	3,67	
1833	29,98	29,75	40	9,31			14,5	2,5			2,5	1,5	10	15,5	15,5	4	1	5	4,21	
1834	31,51	25,43	52	9,61			5	5,5		5	1	6,5	4,5	12,5	23	8	2,5		1,57	
1835	22,91	22,50	49	17,66		1	4	5	1	1	2,5	5	11,5	17	14	4,5	2	5	2,78	
1838	24,95	16,60	43	14,57			5	3	1	2	5	4	2,5	17,5	22	9		3,5	9,5	
1840	29,40	24,00	49	6,55		3,5	3			5	4	8,5	11	15,5	15,5	1	7		3,91	
1841	37,42	25,64	57	3,54		3,5	3	1	3		5	4	5	11	14	17	6	5	5,56	
1842	29,59	27,87	46	7,39		3,5	2		2,5	2,5	1,5	7	6	6	12	19	3	3	2,67	
1843	25,69	29,94	44	0,44		2,5				1,5	4,5	8,5	6	8	4	27	1	12	1,50	
1844	30,85	28,30	58	6,64		2	3		5	5,5	3	8	2	7	17	14	4	2	3,57	
1845	24,72	24,92	44	1,43		2,5	1,5	4	1,5	1	5,5	6,5	8,5	18,5	12,5	3	4	2	3,80	
1846	29,49	30,04	50	3,47		1		5	2,5	4	2	7,5	4	9,5	15,5	15,5	4	2	2,93	
1847	44,93	28,04	63	5,58		1,5	2,5	1		1,5	8,5	9	2	5	11	20	7	5	4,88	
1848	40,19	29,90	63	4,59		3,5	4	1,5	9	4	4	3,5	1,5	12	19	3	5	1	3,88	
1849	30,28	29,28	49	4,45		2,5	3,5	1	4,5	3,5	5,5	6	4,5	12,5	18,5	4	4	3	3,24	
1850	32,15	24,98	50	4,46		2,5	5	1,5	2		5	7,5	2	10	8,5	22,5	8	5	1	3,39
Mean.	31,05	27,22				2,10	4,03	1,50	2,66	1,95	5,45	3,97	9,34	14,84	16,16				3,83	
Total.						40	76,5	28,5	50,5	37	63,5	75,5	177,5	282	307				60,03	

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.	
	First Half.	Seco'd Half.																					
January.	27.06	27.20	66	—31	97	1.98	2.71	1.58	2.66	1.84	6.02	3.71	10.50	N 87° 00' W	85	10.46	17.26	13.74				3.07	55.29
February.	23.44	25.02	73	—15	87	1.24	4.03	1.11	1.84	1.16	5.00	4.59	9.26	N 63° 47' W	35	10.51	16.97	11.23				2.29	41.53
March.	38.65	37.55	75	—7	83	1.45	3.32	1.89	3.26	2.69	5.71	3.26	9.92	N 77° 51' W	25	8.45	18.13	12.87				3.11	55.93
April.	44.13	49.04	88	15	73	1.71	4.21	1.84	4.71	2.84	4.61	3.18	7.55	N 75° 42' W	14	4.19	18.24	11.76				3.01	64.19
May.	51.77	59.80	92	24	68	1.45	8.95	1.84	6.03	3.29	6.06	2.97	5.42	S 29° 08' W	14	4.20	17.52	13.48				4.19	75.50
June.	64.48	67.56	95	30	65	1.16	1.66	1.16	4.55	4.03	8.17	3.79	5.47	S 49° 13' W	35	10.49	20.24	9.76				3.41	61.34
July.	70.83	72.27	102	42	60	1.39	2.24	1.14	4.18	3.95	9.50	4.42	5.18	S 55° 00' W	41	12.51	20.50	10.50				4.23	76.27
August.	70.67	68.38	98	37	61	1.63	2.97	1.11	5.42	3.89	7.37	2.58	6.08	S 45° 24' W	23	7.06	21.00	10.00				3.61	65.01
September.	63.67	57.54	94	22	72	2.18	3.58	1.65	3.16	3.69	6.31	3.37	6.63	S 86° 15' W	20	6.13	20.06	9.95				3.08	58.55
October.	51.78	46.60	81	17	64	2.13	2.92	1.37	4.00	2.74	7.01	3.71	7.09	S 80° 00' W	26	7.72	18.94	12.06				4.50	61.04
November.	42.77	36.17	74	—1	75	1.35	3.94	1.37	2.81	2.05	6.02	3.75	8.71	N 75° 20' W	27	8.29	16.76	13.24				3.16	56.80
December.	31.05	27.22	64	—15	79	2.10	4.03	1.50	2.66	1.95	5.45	3.97	9.34	N 71° 48' W	29	8.62	14.84	16.16				3.33	60.03
Mean.	48.02	48.12				1.65	3.29	1.42	3.12	2.77	6.44	3.52	7.59	S 84° 59' W	23	7.69	18.37	12.06				3.42	61.29

Highest degree, July 23, 1841.

Lowest degree, January 4, 1835.

Extreme range in 14 years.

Greatest monthly range in January.

Least monthly range in July.

Mean monthly range, 74°.

Driest month, February.

Wettest month, October.

Total fall of rain and snow in 19 years, 61 feet 3,48 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1829	28.45	22.87	34.96	49.10	62.92	69.01	72.57	72.49	62.82	54.96	38.90	28.72	50.64	86	- 8	89	50	February 5,	Sept. 2,	September 11,	November 14.
1830	26.87	25.54	38.65	51.22	67.43	65.25	81.85	69.11	60.64	51.44	47.59	34.44	49.96	97	-14	111	69	February 6,	July 21,	September 7,	November 30.
1831	21.58	21.51	41.06	49.88	60.86	72.44	73.48	72.15	63.03	55.05	39.26	16.96	48.65	93	-15	105	77	January 18,	July 20,	September 15,	November 21.
1832	27.31	25.11	37.87	44.84	55.42	65.92	70.14	71.77	69.84	71.70	41.95	32.77	48.97	93	-11	104	65	January 27,	June 16,	September 10,	December 2
1833	30.44	26.05	38.66	51.78	61.64	62.86	70.03	66.88	55.91	48.70	36.61	29.86	48.03	94	0	94	66	March 2,	July 28,	September 13,	November 25.
1834	23.31	34.87	38.21	47.44	58.89	62.73	75.90	67.39	60.69	47.14	36.01	25.47	48.13	97	-9	106	68	December 15,	July 8,	September 29,	November 2.
1835	21.63	22.71	32.83	43.70	56.40	63.32	71.88	67.68	63.13	53.60	39.14	22.70	46.22	98	-31	129	83	January 4,	July 14,	August 4,	November 23.
1838	29.81	15.37	33.83	33.55	58.69	107.4	97.70	92.61	32.45	16.32	45.20	78.45	39.101	-14	115	63	February 17,	July 10,	September 3,	October 30.	
1840	18.36	30.22	36.15	46.83	56.08	63.18	67.51	68.16	55.00	48.75	34.26	70.46	46.31	95	-15	110	85	January 17,	August 16,	September 14,	October 26.
1841	29.21	22.05	35.55	42.73	54.48	68.98	70.24	70.61	65.05	44.87	35.08	31.63	47.41	102	-18	120	80	January 4,	July 23,	October 1,	October 4
1842	30.45	35.23	42.74	48.20	53.63	64.21	71.86	69.12	58.94	47.87	35.88	23.23	43.44	96	-7	108	61	January 13,	July 30,	September 23,	November 24.
1843	33.99	20.15	26.72	46.64	56.81	64.74	69.06	70.02	62.71	46.60	36.67	29.21	48.90	92	-6	98	62	December 18,	July 1,	September 28,	October 23.
1844	20.58	27.22	36.71	52.35	60.82	65.16	69.80	68.08	58.87	47.96	38.83	29.21	47.91	98	-6	99	64	January 27,	June 27,	September 24,	November 25.
1845	29.59	23.41	39.28	46.13	55.84	66.92	70.89	72.37	59.82	51.09	42.46	24.82	48.99	100	-4	104	63	December 12,	July 18,	September 22,	November 30.
1846	25.69	23.70	36.40	49.03	58.68	65.44	71.00	70.75	65.14	47.70	44.62	29.77	49.24	96	-5	101	59	February 26,	July 10,	October 11,	November 25.
1847	22.25	27.09	32.13	44.82	56.73	64.45	72.33	67.93	60.35	46.82	43.31	36.48	48.39	95	-10	105	68	January 12,	July 19,	September 16,	November 13.
1848	31.40	25.34	33.95	46.55	59.91	66.16	69.69	68.22	57.52	49.27	34.99	35.05	48.17	93	-2	95	61	January 7,	July 26,	September 17,	November 12.
1849	22.95	20.94	37.07	45.03	58.97	66.73	69.92	68.81	59.10	48.99	45.54	29.78	47.40	95	-15	110	67	February 19,	July 13,	October 9,	December 2.
1850	29.75	31.58	33.07	42.69	52.14	67.32	72.11	67.16	59.96	50.21	41.45	28.57	48.00	95	2	93	64	December 30,	July 80,	September 30,	December 11.
Mean.	27.13	25.71	35.81	46.68	56.96	66.02	71.25	69.39	60.71	49.21	39.45	28.92	48.06								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1829	19	39.5	14.5	40.5	30	79.5	47	95	S 88° 27' W	27	103.33	238	127	58	14	2
1830	38.5	88.5	20	37	10.5	50	26.5	94	N 11 35 W	27	97.52	223	142	66	8	1
1831	13.5	49	13.5	45.5	16.5	75.5	27	124.5	N 68 51 W	26	94.57	237.5	127.5	52	13.5	0
1832	23	68.5	11.5	60.5	17.5	61	19.5	114.5	N 48 51 W	17	63.69	218.5	147.5	63.5	8.5	3
1833	19	70	23	37	8.5	68	21.5	118	N 61 50 W	24	88.04	227.5	137.5	53.5	7.5	3.5
1834	8	50	16.5	34.5	25.5	64.5	64.5	101.5	N 79 28 W	29	109.46	248	117	48	11	
1835	19	40	28.5	37	31	60.5	72	71	N 85 30 W	24	86.34	254.5	110.5	46	9	5
1838	8.5	25	37	32	13	70	74.5	105	N 78 37 W	34	123.30	239	126	27	9	2.5
1840	19.5	32	13	29	36.5	92	46.5	97.5	S 84 37 W	35	125.20	205	161	66	17	9
1841	31	37.5	10.5	15.5	28	84	56	102.5	N 77 15 W	37	133.16	197.5	167.5	82	23	8
1842	29.5	31.5	16	40.5	25	94.5	44	84	S 84 48 W	29	103.85	206.5	158.5	97	13	4
1843	14.5	28.5	15	40	47.5	91.5	39.5	88	S 67 17 W	29	109.50	193	172	73	20	3
1844	17.5	25	12	56	60	88.5	32	75	S 46 38 W	29	107.72	216.5	149.5	73	11	7
1845	13	19.5	19.5	41.5	57	94.5	43	77	S 67 35 W	29	110.06	236	129	68	14	5
1846	16	31.5	17	57	49.5	97.5	38	58.5	S 49 01 W	29	104.08	219	146	75	11	5
1847	14.5	37.5	16.5	62	48.5	83.5	35.5	67	S 48 50 W	23	83.66	214.5	150.5	66	17	5
1848	21	25.5	12	65	59	58.5	38	87	S 54 48 W	22	79.41	224.5	141.5	58	16	2
1849	23	35.5	18.5	74	47.5	62	28	76.5	S 25 52 W	14	47.96	212	153	67	18	6
1850	20	29	12	47.5	29	89.5	33	105	S 83 46 W	29	104.80	193.5	171.5	70	18	6
Mean.	19.36	39.66	17.19	44.84	33.69	76.66	41.39	91.71	S 84° 46' W	23	83.98	221	144			
Total.	368	753.5	326.5	852	640	1475.5	786	1742.5				4204	2735			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1830	2.18	1.82	5.05	1.76	3.29	5.97	5.50	3.41	2.25	4.81	3.41	6.92	43.37	August.	December.
1831	2.09	2.54	2.38	5.79	3.41	3.51	4.39	3.22	4.50	6.51	3.02	3.60	41.76	December.	October.
1832	3.18	1.61	3.40	2.97	3.58	1.25	3.65	7.99	2.25	3.73	3.60	3.67	40.92	June.	August.
1833	3.17	1.13	3.34	1.57	5.11	3.89	3.01	2.69	3.06	9.90	1.97	4.21	43.05	February.	October.
1834	1.52	.82	1.28	4.38	4.44	7.02	4.45	.31	4.75	2.15	.83	1.57	33.50	August.	June.
1835	6.12	.82	1.77	6.25	1.46	1.96	5.52	2.07	1.44	3.42	1.33	2.73	35.49	February.	April.
1838	2.45	.96	1.52	2.04	3.48	3.48	1.79	1.73	5.14	3.42	3.91	.95	30.37	December.	September.
1840	1.46	1.92	2.45	4.18	3.63	3.52	2.95	3.19	2.70	5.82	2.81	3.91	35.54	January.	October.
1841	6.20	1.70	2.51	4.38	2.64	2.93	1.87	1.73	2.06	4.08	4.17	5.56	39.75	February.	January.
1842	1.55	4.73	1.50	4.95	4.99	2.77	5.56	6.05	3.80	4.57	2.53	2.67	45.72	March.	August.
1843	2.51	3.27	5.53	4.03	2.06	2.58	3.99	8.74	5.00	5.80	3.90	1.50	43.91	May.	August.
1844	2.77	.83	4.44	1.73	5.49	2.67	6.63	1.59	1.96	4.33	1.23	3.57	37.49	February.	July.
1845	4.94	2.87	5.37	1.02	2.60	2.05	2.36	3.40	3.84	4.17	5.43	3.80	39.50	April.	November.
1846	4.07	2.65	3.71	1.95	6.90	2.43	7.20	5.11	.35	2.59	4.73	2.99	45.67	September.	July.
1847	3.61	5.41	3.76	1.23	2.05	3.00	5.00	3.25	5.33	3.61	3.02	4.58	44.80	April.	February.
1848	1.46	1.60	2.05	1.23	7.02	4.41	4.27	1.27	2.06	2.56	2.51	3.85	34.62	April.	May.
1849	1.55	2.09	5.19	1.35	5.55	1.09	1.82	7.24	1.43	7.88	4.42	3.24	42.65	June.	October.
1850	4.46	4.67	3.63	2.73	7.60	5.41	6.31	4.97	6.63	1.64	3.03	3.39	55.02	October.	May.
Mean.	3.07	2.27	3.11	3.01	4.19	3.46	4.23	3.61	3.08	4.50	2.29	3.30	42.41		
Total.	55.29	40.86	55.93	54.19	75.50	62.34	76.27	65.01	58.55	81.04	53.30	59.43	761.67		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1829	15	3	9	5	30	1	20	6	27	4	5	26	22	2	8	29	2	28	25	31	10	25	7	4
1830	7	30	20	6	30	9	22	4	14	22	15	21	25	12	7	26	7	17	2	26	1	30	31	22
1831	4	21	16	7	31	17	18	6	31	9	1	23	19	13	20	28	10	30	3	28	10	30	24	22
1832	19	27	12	24	12	18	26	8	14	24	16	5	1	13	15	25	19	13	13	29	18	15	15	22
1833	6	11	18	1	19	2	29	24	18	5	13	9	22	30	13	29	20	13	16	31	9	19	31	14
1834	18	24	15	7	21	23	15	19	21	15	23	1	8	31	12	28	4	29	2	30	5	15	6	15
1835	26	4	23	28	16	1	20	17	20	14	12	21	14	1	17	4	6	30	20	25	4	30	25	16
1838	18	31	8	17	24	1	30	16	21	1	11	6	10	24	24	27	7	2	1	31	4	25	1	27
1840	20	17	23	4	4	11	23	7	18	9	29	7	16	20	23	7	9	22	2	26	5	27	13	25
1841	7	4	22	11	27	5	24	10	25	3	30	18	23	3	20	24	3	30	31	25	1	30	11	22
1842	20	13	3	20	4	11	22	1	11	20	17	11	30	21	26	1	12	24	1	28	7	28	9	23
1843	10	4	11	9	28	3	24	2	15	31	9	1	1	3	18	6	4	27	21	31	17	27	21	13
1844	23	27	29	18	25	5	14	1	25	22	27	11	12	4	2	29	2	29	3	20	12	28	7	28
1845	24	31	21	22	28	19	24	8	12	16	8	30	13	24	21	29	2	22	11	22	1	28	14	12
1846	30	18	5	26	13	1	21	3	25	11	19	22	10	15	5	19	6	28	9	19	3	26	31	16
1847	1	12	3	23	25	16	22	18	29	2	28	15	19	27	10	19	4	16	8	27	9	29	14	26
1848	1	10	21	11	31	15	22	19	20	11	16	1	26	16	16	25	5	23	1	11	4	20	8	23
1849	14	11	24	19	31	4	4	15	21	6	22	12	13	15	5	15	17	24	16	13	5	1	20	25
1850	25	1	9	5	14	4	27	14	28	2	19	11	30	7. 10	4	18	1	30	17	7	27	24	4	30

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1829	49	— 1	40	— 3	62	15	74	33	85	41	82	57	84	61	85	61	86	48	73	33	58	18	64	15
1830	48	— 4	55	—14	68	9	83	26	78	32	89	46	97	55	90	48	61	28	78	25	70	24	56	—10
1831	65	—12	42	—11	65	21	75	29	92	38	93	49	89	46	91	45	88	35	80	30	60	21	38	—15
1832	54	—11	49	—11	68	7	82	22	77	32	90	40	93	50	85	53	74	34	75	26	64	12	49	4
1833	65	6	48	0	66	0	88	28	82	32	84	37	94	50	86	37	87	36	75	21	65	16	40	9
1834	55	— 1	55	6	68	18	83	20	82	26	93	38	97	50	93	37	86	22	77	18	51	14	52	— 9
1835	52	—31	51	—12	58	—7	69	26	91	35	89	42	92	47	98	40	86	28	75	24	74	8	47	—17
1838	66	3	42	—10	58	8	71	22	86	30	95	46	101	50	97	44	94	36	81	22	62	—1	43	—14
1840	47	—15	72	—13	68	12	81	19	88	30	92	41	95	43	90	50	78	30	74	24	62	22	49	— 6
1841	62	—18	52	—12	71	10	65	23	89	24	94	48	102	47	98	49	90	40	68	17	70	5	57	3
1842	53	— 7	56	10	72	16	80	26	79	28	91	30	96	50	91	49	90	30	71	28	62	15	46	7
1843	56	— 6	41	— 6	48	2	69	27	82	35	91	36	92	42	86	52	88	34	70	26	60	16	44	— 6
1844	48	— 4	53	1	62	12	82	23	88	39	93	45	89	42	87	49	83	36	71	28	60	14	58	— 6
1845	49	— 8	59	— 4	76	22	77	26	90	35	93	41	100	48	90	53	83	34	75	17	69	11	44	1
1846	49	— 1	48	— 5	61	2	83	24	91	35	87	46	96	55	93	46	92	37	81	24	65	21	50	3
1847	60	— 2	50	—10	58	8	83	15	87	32	92	45	95	46	88	47	87	34	71	20	72	7	63	5
1848	56	— 2	48	1	67	8	70	25	88	35	93	40	92	48	88	47	88	27	74	28	53	15	63	4
1849	52	— 4	52	—15	62	13	68	24	84	36	93	41	95	44	87	50	86	40	68	28	68	20	49	4
1850	52	— 8	56	2	67	3	69	18	82	29	95	44	93	51	92	44	81	33	73	26	61	21	50	4
Highest.	66		72		76		88		92		95		102		98		94		81		74		64	
Lowest.		—31		—15		—7		15		24		30		42		37		22		17		— 1		—17
Range.		97		87		83		73		68		65		60		61		72		64		75		81

SUMMARY OF OBSERVATIONS AT OGDENSBURGH ACADEMY

OGDENSBURGH, ST. LAWRENCE, COUNTY, N. Y., DURING ONE YEAR.

Latitude N. 44° 43'.

[The rain gage used was of delicate construction, the water being weighed instead of measured. The snow was also weighed instead of measured. The thermometer was swung briskly in the open air before an observation was made, whenever there was any reason to doubt its accuracy. It was of Kendall's manufacture, New Lebanon. The Academy at Ogdensburgh is on a plain, elevated about forty feet above the Oswegatchie, and near its entrance into the St. Lawrence. There are no hills or mountains within sight which could influence the course of winds, which partske of the general direction of the valley of the St. Lawrence. The winds were recorded by a self-registering apparatus that denoted the length of time which they prevailed, by night as well as by day. JAMES H. COFFIN.]

OBSERVER.

1838, JAMES H. COFFIN, Principal.

MONTHS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]				
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]
	First Half.	Second Half.																
January,	30,44	19,05	51	—	7,58	2	7	,5	1	6	8,5	2,5	3,5	10,5	20,5	6,5	5,5	
February, -	14,02	10,63	28	—	5,33	3	3,5		1	2	9	7	2,5	16	12		8	
March,	30,21	35,66	56		8,48	2	18			,5	8	1,5	1	18	13	2	5,5	,5
April, -	38,36	41,27	64		16,48	2,5	3,5	1	,5	1	11,5	7,5	2,5	19	11	2		
May,	51,13	53,96	76		40,36	3,5	5,5	,5	2	2,5	13,5	3	,5	15,5	15,5	7,5		
June,	65,48	67,59	82		50,32	,5	6,5		3	,5	15,5	3	1	19	11	7		
July,	75,10	68,23	92		49,43	1,5	5			1	17,5	3,5	2,5	21,5	9,5	7,5		
August, -	68,66	67,97	84		41,43	,5	4,5	2		2,5	9	6	6,5	20	11	6		
September,	60,28	58,17	77		37,40	2,5	7	1		2	9,5	7	1	19,5	10,5	4,5		
October,	49,54	39,62	71		24,47	1	4,5	1	,5	4,5	8,5	4,5	6,5	6,5	24,5	9	1,5	,5
November,	36,21	23,27	51		2,49	1	3	1		9	6,5	5,5	4	7	23	5,5	3,5	
December,	23,28	15,58	36	—	10,46	,5	2,5	,5		9,5	10	3	5	7,5	23,5	,5	11	,5
Mean	45,22	41,75				1,71	5,88	,62	,67	3,41	10,58	4,50	3,04	15,00	15,41			
Total						20,5	70,5	7,5	8	41	127	54	36,5	180	185			

MEAN TEMPERATURE, &c.

YEAR.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1838	24,75	12,38	32,94	39,81	52,54	66,58	71,66	68,81	59,22	44,58	29,74	19,43	13,49	92	-10	102	58	January 30,	July 4,	September 2,	October 13.

WINDS AND WEATHER.

YEAR.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1838	20,5	70,5	7,5	8	41	127	54	36,5	S 69°46' W	31	113,66	180	185	58	35	1,5

RAIN.

YEAR.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1838	2,86	,97	1,18	,40	4,81	8,57	1,88	2,55	1,01	2,73	2,07	1,08	24,61	April.	May.

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEAR.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1838	7	30	8	14	24	2	27	16	15	3	16	1	4	20	21	27	6	2	5	31	4	24	1	30

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEAR.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1838	51	-7	28	-5	56	8	64	16	76	40	82	50	92	49	84	41	77	37	71	24	51	2	36	-10

SUMMARY OF OBSERVATIONS AT ONEIDA CONFERENCE SEMINARY,

CAZENOVIA, MADISON COUNTY, N. Y., DURING EIGHTEEN YEARS. (RAIN GAGE NINETEEN YEARS.)

Latitude N. 42° 55'; Longitude W. 75° 46'. Elevation above tide 260 feet, and above canal at Utica 824 feet.

OBSERVERS.

1830, AUGUSTUS W. SMITH, Principal.

1831, J. W. TYLER and A. W. SMITH, Principala.

1832, J. W. TYLER and J. JOHNSTON, Teachers.

1833, JOHN JOHNSTON, Teacher.

1834, JOHN JOHNSTON, Professor of Mathematics, &c.

1835, Not stated.

1836, ORLANDO BLANCHARD.

1837, Not stated.

1838, '39, O. BLANCHARD, Teacher.

1840, ORLANDO BLANCHARD and GEO. W. HIND, Teachers.

1841, '42, '43, '44, HORATIO R. CLARKE, Professor Nat. Science.

1845, HORATIO R. CLARKE and EDWARD BANNISTER.

1846, '47, '48, '49, EDWARD BANNISTER, Professor.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	26,34	12,36	49	-16	65					12,5	4,5	4,5	9,5	10,5	20,5		8,5		2,49
1831	21,25	12,96	57	-22	79	1			3	4	2	8	13	7	24	,5	10		3,40
1832	23,77	20,04	51	-27	78	3		1,5		13	3,5	4,5	5,5	10	21		2		1,94
1833	30,22	22,69	60	-11	71		,5		2,5	5,5	7	3	12,5	13,5	17,5	,5	3,5		1,42
1834	19,48	20,26	44	-12	56				,5	7	6	10,5	7	11,5	19,5	3	2		1,56
1835	12,50	31,29	44	-26	70		,5			5	9,5	5,5	10,5	11,5	19,5	2	1,5		1,44
1837	12,17	19,47	45	-18	63				1	4	4,5	4	17,5	6,5	24,5		11		2,73
1838	32,94	24,57	56	-9	65			,5	,5	5,5	11,5	6	7	11	20	1,5	4,5		2,00
1839	27,74	14,30	52	-14	66	3			1	5,5	7	2,5	12	10,5	20,5	1,5	7		4,58
1840	12,40	16,63	47	-28	75			,5		3,5	6,5	12	8,5	8	23	1	5	1	1,70
1841	25,12	26,86	54	-10	64	,5		1,5	2,5	12	6	7	1,5	5	26	2	5		2,70
1842	20,94	29,35	55	-14	69				,5	14,5	3,5	4,5	8	10	21	4	8		1,82
1843	28,96	29,92	61	-4	65	2	,5	1,5	2,5	3,5	7,5	3,5	10	10	21	4	9		3,99
1844	20,54	8,69	41	-18	59	1,5			2,5	6	2,5	8,5	10	6,5	24,5	4	10	1	2,86
1845	24,78	23,89	47	-6	53	1		1	1,5	9	2	8,5	8	6	25	4	8		3,32
1846	25,17	15,86	40	-18	58		,5		3,5	3,5	9,5	10	4	8,5	22,5	5	12	2	2,41
1847																			1,85
1848	21,21	27,47	54	-17	71		1	,5	1,5	12	5,5	1,5	9	9,5	21,5	3	7		2,47
1849	13,85	19,36	46	-12	58				1,5	7,5	10,5	8,5	3	6	25	6	14	2	1,99
Mean.	22,19	20,88				,67	,17	,39	1,38	7,42	6,03	6,25	8,69	8,97	22,03				2,46
Total.						12	3	7	24,5	133,5	109	112,5	156,5	161,5	396,5				46,67

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	12,48	29,07	48	-22	70	1,5			1	7,5	2,5	4,5	11	12,5	15,5		3,5	,5	,91
1831	12,65	22,91	53	-11	64				2	5	3,5	7	10,5	11,5	16,5	,5	4	,5	2,01
1832	23,32	17,04	49	-17	66				,5	7,5	2,5	7	11,5	5,5	23,5	,5	5	1,5	3,10
1833	17,67	20,16	46	-10	56		1,5	,5	1,5	2,5	3,5	2,5	16	13	15		3,5		1,11
1834	27,83	37,25	57	-4	61				1	7,5	7	5	7,5	14	14	1,5	1,5	7,5	1,38
1835	10,30	23,18	40	-12	52		2	,5	1		9	7	8,5	10,5	17,5	,5	7	,5	1,61
1837	20,50	22,67	46	-11	57	1	1,5		1	3,5	8	2,5	10,5	5,5	22,5	1	10		2,25
1838	15,58	9,02	39	-7	46		1		,5	2,5	2,5	6,5	15	4,5	23,5		10		1,33
1839	15,52	33,20	48	-17	65	1			2	6,5	8,5	5	5	7	21	2	2	1	1,21
1840	25,54	34,95	57	-7	64	1		,5	1,5	7,5	6,5	2,5	9,5	7	22	5	4	1	2,35
1841	18,08	25,99	42	-8	50	2,5		,5	7,5		3,5	10	4	11	17		8		,55
1842	31,69	23,76	55	-0	55				2	10	1,5	2,5	12	6	22	3	8	2	5,08
1843	14,93	13,33	37	-16	53		,5	2	1	3,5	2,5	11	7,5	8	20		10		2,70
1844	19,43	26,32	54	-9	63	1		1,5	2,5	4,5	3,5	7	9	10,5	18,5		11	1	2,86
1845	12,73	35,85	59	-12	71				1	7	4,5	9,5	6	4,5	23,5	2	9		3,07
1846	18,92	11,77	40	-16	56	,5	3	1	2	4	7	4,5	6	9	19		13		2,56
1847																			3,59
1848	17,75	23,43	43	-14	57	,5			3,5	1,5	10	3	10,5	15,5	13,5	1	9	1	1,70
1849	14,15	19,30	42	-17	59				5	9,5	8,5	4,5	,5	12,5	15,5	1	10		,89
Mean.	18,28	23,84				,50	,53	,36	2,03	5,00	5,25	5,64	8,92	9,33	18,90				2,12
Total.						9	9,5	6,5	36,5	90	94,5	101,5	160,5	168	340				40,26

MARCH.

1830	27,80	38,27	67	-2	69	2	,5	2,5	5	5	3,5	3	10,5	12,5	18,5	2	4		3,92
1831	31,77	37,98	64	-10	54				,5	13	4	6	7,5	7,5	23,5	2	2,5	,5	1,88
1832	31,32	31,58	63	-6	69	2			,5	13	2,5	2	11	15	16	1	6		1,31
1833	20,22	37,09	63	-4	67		,5	1	1	7	5	4,5	12	15,5	15,5	1	3,5	,5	1,85
1834	32,81	33,60	62	-5	57	,5	1	1	,5	4	9,5	2,5	12	14	17	2,5	4,5		2,51
1835	26,00	33,04	50	-11	61	,5	3		1	3	5	7	11,5	14,5	16,5	,5	,5		,86
1837	22,69	32,36	58	-19	77	,5			2,5	7,5	5	2	13,5	13	18	5	4		2,85
1838	30,61	36,16	65	-10	75	,5	2,5	,5	2,5	4	5	3	13	14,5	16,5	1	2,5	1,5	1,29
1839	25,17	34,83	60	-0	60	2	,5		1,5	2,5	7,5	6	11	15,5	15,5	2,5	1,5	1	2,52
1840	32,41	32,72	64	-6	70	,5		2	5	6,5	1,5	15,5	12	19	7	4	1		3,11
1841	21,41	30,30	62	-14	76	1	1,5	1,5	2	3	2	10	10	13,5	17,5		8	2	4,35
1842	34,58	36,68	62	-0	62			2	2	5,5	3	10,5	8	10	21	8	7		2,84
1843	17,64	21,86	45	-12	57	1	,5	1,5	2,5	2	2,5	7,5	13,5	9,5	21,5	1	15		3,70
1844	34,30	27,08	54	-0	54	,5	1		2	6,5	4	5	12	9,5	21,5	9	9		2,50
1845	33,19	35,82	76	-8	68	,5			1	8	5,5	7	9	10,5	20,5	6	12	1	3,81
1846	27,59	32,32	52	-9	61	1	,5	1	4	4	7	8,5	5	13	18	7	5	1	2,23
1847																			1,81
1848	19,60	33,16	66	-11	77		,5		3,5	5,5	6	3,5	12	10,5	20,5	6	10	2	3,49
1849	26,28	34,55	54	-3	51	1	1	,5	2	7,5	7,5	8,5	3	10	21	8	4	1	2,66
Mean	27,52	33,30				,75	,72	,69	1,88	5,89	5,07	5,44	10,56	12,22	18,78				2,60
Total.						13,50	13	12,5	34	106	91	98	190	220,5	337,5				49,49

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	44,60	54,85	81	25	56	3	1,5	2	3	1,5	6,5	2,5	10	17,5	12,5	1,5		,5	2,10
1831	41,34	45,01	74	24	50	2,5	,5	1	3	5	2	4	12	14	16	4,5	1		4,81
1832	37,72	43,56	77	13	64	3	5	,5	,5	2,5	4,5	5	9	15,5	14,5	4,5	,5		2,42
1833	46,48	52,43	83	24	59	,5	,5		2	4	5	4,5	13,5	22	8	1,5		,5	1,98
1834	49,07	44,06	78	25	53	1	2,5	1,5	5,5	,5	3	2,5	13,5	15	15	3	1		2,48
1835	44,83	36,31	75	18	57		2,5	1,5	3	4,5	4,5	8	6	15	15	2,5	4,5		4,60
1837	40,02	40,89	66	22	44	2	,5		1	,5	4,5	6	15,5	16	14	3,5	1		,64
1838	33,74	35,23	61	12	49	,5		2,5	2,5	2,5	1,5	5	15,5	12,5	17,5	2,5	2,5		1,78
1839	48,43	47,28	76	20	56	2	1	,5	,5	4	4,5		17,5	16,5	13,5	4			1,73
1840	40,69	53,35	87	19	68		,5		1	3	10	2,5	13	16	14	6	1	1	10,46
1841	31,76	45,22	76	12	64	2,5		3	3	5,5	2,5	1	12,5	10	20	9	4	1	2,85
1842	43,19	47,47	90	25	65	1	,5	,5	3	4	3	3	15	13,5	16,5	11		1	2,29
1843	35,54	49,30	74	11	63	1	,5	2	5	5,5	2,5	6	7,5	10,5	19,5	7	5		2,27
1844	50,18	50,44	79	5	74	2			1,5	13	3,5	5,5	4,5	17,5	12,5	10			1,85
1845	31,80	51,42	73	16	57				1,5	7	6	8,5	7	9	21	11	5	1	3,79
1846	39,30	52,84	77	18	59	,5	,5		4	4,5	8	5,5	7	18,5	11,5	7	2		1,44
1847																			1,51
1848	41,36	42,96	72	25	47		,5		1,5	2,5	3	7	15,5	19	11	5	1	4	1,94
1849	39,06	38,70	69	17	52				2,5	5,5	8	10,5	3,5	12	18	7	3	1	1,99
Mean.	41,06	46,29				1,20	,92	,83	2,45	4,19	4,59	4,82	11,00	15,00	15,00				2,78
Total.						21,5	16,5	15	44	75,5	82,5	87	198	270	270				52,93
MAY.																			
1830	52,65	51,05	78	27	51	,5	,5	,5	1	9	3,5	4,5	11,5	14,5	16,5	1,5			3,51
1831	50,25	61,18	90	28	62	4	,5		1,5	5	6,5	4,5	9	18,5	12,5	2,5	1		2,21
1832	54,18	50,81	81	32	49	2		,5	1	8	2	3,5	14	19,5	11,5	3,5			3,06
1833	58,02	60,08	33	30	53	2	,5	,5	6,5	3	4,5	5,5	8,5	16,5	14,5	4,5			5,20
1834	44,13	62,10	88	23	65		1	,5	3,5	2	3	4	17	16,5	14,5	3,5	,5		3,42
1835	47,75	60,81	80	32	48		1	,5	1,5	1,5	4	3	19,5	25,5	5,5	2,5			2,77
1837	50,42	51,69	83	17	66	2	,5	,5	2,5	2,5	8,5	2,5	12	15,5	15,5	7,5	,5		3,53
1838	45,40	53,05	87	25	62	1		2	1,5	2	7	5	12,5	11,5	19,5	7			6,42
1839	51,41	57,01	80	29	51	,5	,5		,5	5,5	1,5	5	17,5	15,5	15,5	3,5			4,67
1840	47,44	64,02	86	30	56		,5	2,5	2,5	5,5	3	1	16	19	12	6		2	3,42
1841	41,50	60,24	95	25	70	,5			1	4,5	2,5	7,5	15	13	18	5	1		2,32
1842	47,18	51,13	80	30	50		,5	1	1	5	4	7,5	12	13,5	17,5	13			1,64
1843	53,05	51,21	88	30	58	2	,5	,5	1	4,5	1,5	6,5	14,5	13,5	17,5	10	1		1,50
1844	54,09	55,82	84	20	64	2,5			,5	7,5	6	9	5,5	10,5	20,5	19			7,60
1845	51,31	49,03	88	24	64	1			4	4	9,5	12,5	14,5	14,5	16,5	14	1	1	4,65
1846	54,33	59,73	83	26	57	,5	,5		6	6	3	5,5	9,5	16	15	13	1		4,43
1847																			1,82
1848	51,62	60,16	81	32	49		1		2	6	6,5	2,5	13	13	18	18			5,11
1849	44,20	53,99	79	28	51			1	6,5	7	3	6	7,5	10,5	20,5	15			4,25
Mean.	49,96	56,29				1,02	,42	,55	2,20	4,93	4,11	5,15	12,62	15,33	15,67				3,76
Total.						18,5	7,5	10	40	88,5	74	92,5	227	277	281				71,53

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	59,80	60,38	85	36	49		,5	,5	1	4	4	6	14	10,5	19,5	5			7,03
1831	70,49	68,85	92	47	45	1,5	2,5	1	,5	3,5	7,5	2	11,5	21	9	3			5,10
1832	58,55	65,31	84	36	48	,5	1	1,5	1	4,5	2,5	4,5	14,5	22	8	,5			2,20
1833	55,70	59,58	84	39	45		,5		1	3,5	5	7	13	17	13	2,5			2,78
1834	58,00	62,18	86	38	48	,5	1		4	1	4,5	7	12	16	14	6,5			5,10
1835	66,33	60,15	90	45	45				,5	5	5,5	5,5	13,5	18	12	3			5,97
1837	64,27	60,21	86	42	44	3	,5	1	1	4	5	7	8,5	14	16	8			5,53
1838	64,88	69,17	91	42	49	,5	,5		1	4	7,5	5	11,5	17	13	6,5			7,65
1839	55,80	58,90	82	35	47	1	,5	,5	1,5	2,5	3,5	4	16,5	13,5	16,5	7			4,80
1840	51,87	63,72	89	32	57	,5	1,5		1	5	4,5	2	15,5	16,5	13,5	10			4,61
1841	60,02	66,99	93	37	56	1,5			,5	7,5	2,5	8	10	17,5	12,5	9			3,90
1842	55,88	62,88	83	27	56	2		1,5		12	1,5	6,5	6,5	14,5	15,5	14			3,18
1843	55,30	65,21	89	34	55	,5	,5		,5	4,5	7,5	5,5	11	13,5	16,5	16	1		4,77
1844	55,77	64,83	86	31	55					10,5	5	4,5	10	16	14	12			3,34
1845	66,40	60,21	93	36	57	,5		,5	,5	5	7	12	4,5	21,5	8,5	10			3,38
1846	61,27	61,73	83	40	43			1	3	3,5	7,5	6	9	18	12	9			3,08
1847																			3,25
1848	66,06	69,01	84	34	30				1	2	9,5	4,5	13	21	9	12			4,24
1849	59,66	64,54	87	41	46		1		3,5	6	4,5	10,5	4,5	18	12	12			5,64
Mean.	60,33	63,55				,67	,55	,42	1,19	4,89	5,25	5,97	11,06	16,97	13,03				4,50
Total.						12	10	7,5	21,5	88	94,5	107,5	199	305,5	234,5				85,55
JULY.																			
1830	64,41	74,71	91	46	45		1	1	1,5	,5	6,5	7,5	13	14,5	16,5	2,5			5,09
1831	66,71	66,85	85	41	44		,5	,5	,5	6,5	9,5	9	3,5	18,5	12,5	3			4,54
1832	67,12	63,69	89	47	42	1			,5	3,5	5	5	16	17	14	3,5			4,35
1833	65,69	65,25	90	46	44					1	11,5	9,5	9	17,5	13,5	5			6,31
1834	70,46	68,81	93	37	56		1	1		1,5	7	8	12,5	24	7	1,5			1,80
1835	66,21	67,28	86	49	37					4,5	2	11,5	13	21,5	9,5	2,5			3,08
1837	63,34	63,31	87	39	48	,5				3	3,5	3,5	20,5	17,5	13,5	5			4,88
1838	72,88	68,37	97	47	50	1,5			,5	4	6	7	12	20	11	5,5			3,48
1839	63,93	70,34	89	48	41	,5				2,5	6,5	5,5	16	19,5	11,5	4,5			3,28
1840	65,97	68,42	92	40	52		,5		1,5	3	6,5	3,5	16	22	9	6			4,09
1841	61,33	66,01	96	40	56				1,5	1	7,5	13	8	22,5	8,5	10			2,78
1842	64,27	68,23	89	38	51					4	6,5	8	12,5	18	13	9			6,30
1843	62,81	67,60	92	40	52	,5			,5	2	5	9	14	18,5	12,5	11			4,08
1844	63,72	68,20	86	40	46	,5	,5	,5	1,5	4	5	11,5	7,5	16	15	14			5,92
1845	67,01	62,97	96	40	56		,5		1	3,5	5,5	13	7,5	17	14	6			3,29
1846	65,47	64,48	90	38	52		,5	1,5	6,5	2,5	7	5	8	17	14	11			4,97
1847																			3,25
1848	63,61	66,34	86	49	37		1		4	3	9,5	7	6,5	16	15	14			5,75
1849	65,82	68,25	90	45	45	1	1	,5	4,5	6	6	5,5	6,5	22	9	7			,80
Mean.	65,59	67,17				,36	,36	,28	1,33	3,11	6,45	7,89	11,22	18,78	12,22				4,10
Total.						6,5	6,5	5	24	56	116	142	202	338	220				77,99

OBSERVATIONS AT ONEIDA CONFERENCE SEMINARY.

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	64,44	62,85	90	39	51	,5				3	6	5	16,5	15,5	15,5	1			2,14
1831	64,08	65,90	89	38	51	3,5	1	2	,5	4,5	4	2	13,5	19,5	11,5	1,5			3,73
1832	68,74	63,79	88	42	46		,5			6,5	10,5	1	12,5	21,5	9,5	3			6,64
1833	65,73	61,51	84	41	43					,5	11	4	15,5	17	14	4,5			2,79
1834	69,67	60,26	91	36	55	2	,5			1,5	7	2,5	17,5	22	9	,5			2,32
1835	63,14	62,31	87	32	55				3	5	5,5	4,5	13	19,5	11,5	3,5			4,24
1837	65,03	60,44	86	35	51				,5	7	7,5	3,5	12,5	17,5	13,5	4			4,27
1838	67,65	68,82	92	38	54					2	6	3,5	19,5	19	12	5			5,91
1839	62,33	63,32	86	32	54	8	1	3		4,5	1,5	2,5	10,5	20	11	2			2,66
1840	63,05	48,32	89	44	45	1		1	1,5	10	5	9,5	3	13,5	17,5	8			2,56
1841	65,99	66,22	90	38	52	4,5		,5	2,5	6	3	3	11,5	17	14	10			2,20
1842	64,47	66,27	84	41	43	,5	3,5	4,5	2	5,5	2	4,5	8,5	13,5	17,5	9			2,49
1843	67,05	66,45	89	44	45	3		,5	1	4,5	4	7,5	10,5	17	14	13			6,01
1844	65,60	62,54	84	42	42	,5				5,5	6	14,5	4,5	17	14	10			3,13
1845	67,88	68,75	90	45	45	1,5	1	,5	1	5,5	8	7,5	6	15	16	3			2,40
1846	68,00	64,55	87	33	54	,5			2,5	4,5	12,5	5	6	20,5	10,5	8			4,34
1847																			1,72
1848	68,52	64,50	87	50	37		,5	,5	5	9	5,5	3,5	7	22,5	8,5	7			3,87
1849	63,75	67,86	86	42	44	,5		1,5	4,5	8,5	3	10,5	2,5	16	15	10			4,67
Mean.	65,84	63,59				1,44	,44	,79	1,34	5,19	6,00	5,22	10,58	17,97	13,03				3,58
Total.						26	8	14	24	93,5	108	94	190,5	323,5	234,5				68,09
SEPTEMBER.																			
1830	59,92	51,04	75	29	46	2,5	1		,5	9,5	4	1,5	11	9,5	20,5	3,5			4,00
1831	60,59	53,81	81	34	47	2	1			6,5	8,5	8	4	12,5	17,5	3			2,94
1832	56,33	61,98	83	32	51					10,5	7	4	8,5	20,5	9,5	,5			2,65
1833	54,73	58,25	77	30	47		,5	,5	1	1	7,5	,5	19	15,5	14,5	2,5			4,22
1834	62,17	57,50	93	27	66				2	4	9,5	2	11,5	19	11	4			4,45
1835	56,08	48,75	82	27	55	,5			2	5	8,5	4	10	17	13	3			1,97
1837	57,97	55,90	81	27	54	1,5		,5	1	9	7,5	2	8,5	16,5	13,5	6			2,63
1838	60,09	57,09	85	38	47	4		4	,5	2,5	3,5	1,5	14	19	11	1,5			2,31
1839	60,02	53,11	82	30	52	,5		,5	1,5	5,5	4,5	8,5	9	17,5	12,5	3,5			2,93
1840	57,63	50,76	80	30	50	2	1		1	7	3	12,5	3,5	13	17	8			3,86
1841	63,13	59,66	87	31	56	1,5			4	9,5	3	4,5	7,5	17,5	12,5	6			1,97
1842	62,09	49,51	84	26	58	1,5		1,5	1,5	1,5	2	6	16	12,5	17,5	16			6,27
1843	60,33	57,92	88	28	60	2			4	3,5	7,5	6	7	16,5	13,5	12			6,43
1844	65,01	52,25	88	27	61	3		,5	2	4	4,5	6	10	21,5	8,5	5	1		1,86
1845	58,25	52,79	76	31	45				2	4	7	7,5	9,5	14,5	15,5	16			3,53
1846	67,83	54,90	84	39	45		1	,5	2,5	6,5	7,5	7	5	21	9	9			4,56
1847																			5,30
1848	56,24	46,87	72	25	47				1,5	5	9	2	12,5	13	17	13		1	3,10
1849	57,59	55,52	81	33	48		1		2	5,5	10	8,5	3	19,5	10,5	8			2,53
Mean.	59,98	54,31				1,17	,31	,44	1,61	5,60	6,33	5,11	9,43	16,44	13,56				3,55
Total.						21	5,5	8	29	101	114	92	169,5	296	244				67,51

OCTOBER.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1830	50,99	48,11	73	28	45	1,5	,5	,5	1,5	9,5	2,5	4	11	18	13	3,5			2,27
1831	49,01	50,09	75	27	48	2,5	,5	1,5	1	7	8,5	4	6	17,5	13,5	3,5	,5		3,66
1832	48,39	47,03	70	19	51	1,5	1	,5	1,5	7	7,5	1,5	10,5	16,5	14,5	4,5			2,70
1833	50,39	40,49	70	24	46		,5	,5	3	5,5	7,5	3,5	10,5	5,5	25,5	2,5	2		4,80
1834	48,39	40,07	72	21	51	1		1	1,5	4	6	7	10,5	12	19	6	,5		3,94
1835	46,36	56,44	76	27	49	1			2	8	9,5	2,5	8	15	16	5,5			2,53
1837	43,55	44,60	78	15	63	1,5	1		1	6,5	4,5	,5	16	12,5	18,5	6			5,29
1838	48,91	37,29	75	24	51	1	1		,5	4,5	8	9	7	9	22	4,5	1,5	,5	4,44
1839	51,80	51,28	78	20	58	2		,5	1,5	5,5	10,5	3,5	7,5	18,5	12,5	2			1,36
1840	50,74	40,83	70	23	47	1,5			,5	14	,5	10	4,5	15	16	6			3,00
1841	41,56	38,60	66	16	50	,5	1,5		1	7	2,5	2,5	16	9	22	7	1	4	1,80
1842	48,73	43,31	70	23	47			1,5	,5	7,5	5	7,5	9	15	16	14	2		4,08
1843	47,41	36,88	71	18	53	1,5	,5	,5	,5	6,5	4,5	7,5	9,5	12	19	12	4		4,46
1844	45,52	40,11	65	19	46		1	,5	1	8,5	4	9	7	11,5	19,5	10	2		4,32
1845	50,91	42,23	66	18	48	,5	,5		1	6,5	11	9	2,5	15,5	15,5	8			3,26
1846	49,76	36,02	74	13	61				2,5	8	8	3,5	9	12,5	18,5	9	1	2	2,61
1847																			4,59
1848	47,73	42,38	67	24	43			1	1,5	7	6	3	12,5	12	19	12		3	2,11
1849	43,52	45,71	68	24	44	,5	1		6	5,5	9,5	4,5	4	11	20	14	1	1	6,96
Mean.	47,98	43,41				,92	,50	,44	1,56	7,11	6,42	5,11	8,94	13,23	17,77				3,58
Total.						16,5	9	8	28	128	115,5	92	161	238	250				68,18

NOVEMBER.

1830	47,03	38,21	60	25	35	,5	1	6	3	8,5	3,5	3,5	4	7,5	22,5	8	2	,5	4,86
1831	38,24	30,02	48	12	36	1,5			1	6,5	3	,5	13	5,5	24,5	1	3,5	1	2,76
1832	37,59	36,39	62	9	53			,5	2,5	4	11	4	8	10,5	19,5	5	1		3,92
1833	40,54	28,38	62	12	50	1	1		,5	5,5	9,5	5	7,5	10,5	19,5	,5	2		2,16
1834	35,98	30,57	53	11	42	1		1,5	2,5	3,5	4,5	3	14	10	20	3	1	1,5	2,38
1835	42,66	29,87	62	7	55	1			2,5	2,5	9,5	3	11	10	20	3	1,5		1,50
1837	36,12	38,21	65	15	51	1			,5	4,5	7,5	3,5	13	7	23	2,5	3,5		2,58
1838	36,68	23,27	56	1	55	1			1	5,5	5,5	7	10	8	22	3	3	,5	3,55
1839	34,90	27,81	51	6	45	3,5	,5		1,5	4,5	6,5	4	9,5	7	23	3,5	4,5	1,5	4,00
1840	39,80	30,44	60	21	39	1,5		1	2,5	3,5	4	10,5	7	10	20	4	3	1	1,46
1841	37,34	29,88	69	4	65	1,5	1	1	3	1,5	5	2	15	5,5	24,5	5	7	1	3,41
1842	37,83	24,82	57	8	49	,5	,5	1	1	5,5	6	8,5	7	11,5	18,5	4	9		2,39
1843	28,15	32,06	44	14	30	1,5	,5		1	6,5	5,5	6,5	8,5	5	25	7	9	1	4,68
1844	36,89	27,12	55	11	44				2	8,5	4	8,5	7	8,5	21,5	2	6	2	1,60
1845	37,74	32,42	58	4	54	1,5			1	4	10,5	8	5	8	22	11	5		2,60
1846	47,10	32,38	64	16	48	,5	3	,5	6,5	3,5	4	4,5	7,5	5,5	24,5	7	5	1	4,28
1847																			3,80
1848	30,02	31,59	44	9	35	,5			5	5	7	3	9,5	5	25	4	8	1	2,41
1849	45,62	37,79	61	21	40		,5		6	8	7,5	1,5	6,5	10	20	10	1		2,67
Mean	38,35	31,18				1,00	,44	,55	2,39	5,28	6,45	4,83	9,06	8,06	21,94				3,60
Total						18	8	10	43	95	116	87	163	145	395				57,01

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	31,76	27,55	53	6	47				1	10,5	6,6		11	2,5	28,5	1,5	2,5	1,5	3,27
1831	12,24	13,80	32	—	840	1		,5		7	7,5	6	9	9,5	21,5		3,5		,25
1832	31,75	24,57	44		836			1,5	5,5	5	4	4,5	10,5	13	18	3	3,5		3,50
1833	25,74	29,67	44		044		4,5	1,5	6	1,5	3,5	7,5	6,5	7	24		4		2,95
1834	26,94	19,17	44	—12	56	1,5	1	1	1	3,5	5,5	5	12,5	6	25	1	2,5	,5	2,30
1835	17,97	22,43	49	—19	68	2,5				4	12	10,5	2	4	27	2,5	7,5		3,83
1837	28,02		57	—12	69				2	3,5	5	4	16,5	5,5	25,5	,5	7		2,47
1838	24,16	15,79	38	—	240					4,5	12	7	7,5	5,5	25,5	,5	5,5		1,14
1839	31,78	19,95	45	—	651	4	5	5,5	2,5	3,5	3	4,5	3	15	16	3	7		2,36
1840	23,98	18,81	40	—	1822	2		1	,5	6	3,5	10	8	4	27	7	5		3,49
1841	33,94	18,21	45	—	2166		3		3,5	6,5	3	3,5	11,5	5	26	5	9	2	4,32
1842	25,01	20,79	42	—	438	2		1,5	2	3,5	2	9	11	5	26	1	12	1	2,33
1843	24,52	29,94	44		044	2,5			1,5	4,5	8,5	6	8	4	27	1	12		1,50
1844	36,44	22,55	52		052	,5				8	4	12	6,5	7	24	5	16	1	2,96
1845	15,06	16,88	34	—10	44	,5	,5		3,5	4,5	6,5	11	4,5	6	25	2	11		1,93
1846	23,25	25,09	45		243				3	4	5,5	2,5	16	3,5	27,5	5	14	1	2,29
1847																			3,23
1848	35,38	25,70	54	—	549				5,5	8,5	11	2,5	3,5	4,5	26,5	10	8	1	5,39
1849	23,85	20,77	43	—	447	,5			5,5	4	9,5	8,5	3	1	30	8	18	2	3,15
Mean.	26,21	21,86				,94	,77	,69	2,39	5,14	6,14	6,56	8,37	6,00	25,00				2,77
Total.						17	14	12,5	43	92,5	110,5	118	150,5	108	450				52,66

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	
	First Half.	Seco'd Half.																					
January, -	22.19	20.83	61	— 39	89	.67	.17	.89	1.38	7.42	6.03	6.25	8.69	68° 59' W	54	16.19	8.97	22.03				2.46	46.67
February, -	18.28	23.84	59	— 22	81	.50	.53	.36	2.03	5.00	5.25	5.64	8.92	77° 87' W	46	13.92	9.33	18.90				2.12	40.26
March, ---	27.52	33.80	76	— 14	90	.75	.72	.69	1.88	5.89	5.07	5.44	10.56	83° 49' W	47	14.20	12.22	15.78				2.60	49.49
April, ----	41.06	46.29	90	— 11	79	1.20	.92	.83	2.45	4.19	4.59	4.82	11.00	9° 10' W	39	11.65	15.00	15.00				2.78	52.93
May, -----	49.96	56.29	95	— 17	78	1.02	.42	.55	2.20	4.93	4.11	5.15	12.62	22° 10' W	48	14.58	15.33	15.67				3.76	71.53
June, -----	60.33	63.55	98	— 27	66	.67	.55	.42	1.19	4.89	5.25	5.97	11.06	27° 57' W	58	15.93	16.97	13.03				4.50	85.55
July, -----	65.59	67.17	97	— 37	60	.36	.36	.28	1.33	3.11	6.45	7.89	11.22	30° 12' W	63	18.90	18.78	12.22				4.10	77.99
August, ----	65.84	63.59	92	— 32	60	1.44	.44	.79	1.34	5.19	6.00	5.22	10.58	84° 24' W	58	15.87	17.97	13.03				3.58	68.09
September, -	59.98	54.31	98	— 25	68	1.17	.31	.44	1.61	5.60	6.33	5.11	9.43	77° 47' W	50	14.97	16.44	13.56				3.55	67.51
October, ---	47.98	43.41	78	— 10	68	.92	.50	.44	1.56	7.11	6.42	5.11	8.94	69° 59' W	49	14.80	13.23	17.77				3.58	68.18
November, -	38.85	31.18	70	— 6	76	1.00	.44	.55	2.39	5.28	6.45	4.83	9.06	70° 23' W	50	15.11	8.06	21.94				3.00	57.01
December, -	20.21	21.56	57	— 21	78	.94	.77	.69	2.39	5.14	6.14	6.56	8.37	74° 49' W	52	15.64	6.00	25.00				2.77	52.66
Mean, ----	43.16	43.73				.88	.51	.56	1.82	5.27	5.83	5.64	9.92	80° 34' W	48	14.93	13.19	17.25				3.23	61.82

Highest degree, July 4, 1838, - - - - - 97°
 Lowest degree, January 1, 1840, - - - - - —28
 Extreme range in 19 years, - - - - - 125
 Greatest monthly range in March.
 Least monthly range in July and August.

Mean monthly range, 74°.
 Driest month, February.
 Wettest month, June.
 Total fall of rain and snow in 19 years, 61 feet 3,86 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1830	19.87	20.87	33.20	49.73	51.88	60.09	69.73	63.80	55.48	49.57	49.62	29.59	45.87	91	-22	113	70	February 6,	July 21,	September 15,	November 3.
1831	17.10	17.78	34.87	48.17	55.71	63.18	66.78	64.99	57.20	49.55	84.13	13.62	43.43	92	-22	114	79	January 13,	August 21,	October 1,	October 27.
1832	21.90	20.18	31.45	40.64	52.49	61.93	65.40	66.27	59.15	47.71	86.99	28.16	44.86	89	-27	116	78	January 26,	July 1,	September 7,	October 27.
1833	26.45	18.91	23.63	49.45	59.06	57.64	65.47	63.62	56.49	45.44	84.46	27.70	44.44	90	-11	101	71	March 2,	July 23,	September 15,	October 20.
1834	19.87	32.54	33.20	46.56	53.11	60.09	69.63	63.96	59.83	44.23	83.27	23.26	44.97	93	-12	105	61	December 14,	July 8,	September 30,	October 10.
1835	21.39	16.74	22.54	40.57	54.83	63.19	66.74	62.72	52.41	51.40	86.27	19.74	42.96	90	-26	116	70	January 7,	June 16,	August 4,	November 23.
1837	15.82	22.08	27.82	37.51	51.05	62.24	63.82	62.73	56.93	44.07	37.17	25.46	42.16	87	-19	106	77	January 2,	August 2,	September 13,	October 13.
1838	28.75	12.30	33.85	34.48	49.22	62.02	70.62	65.23	58.59	43.10	29.97	19.97	42.97	97	-10	107	75	January 81,	July 30,	September 3,	October 29.
1839	21.02	24.36	30.01	47.85	58.50	67.35	67.13	62.82	56.56	41.54	31.35	34.89	44.03	85	-17	106	75	January 25,	July 30,	August 31,	November 1.
1840	14.62	30.25	32.56	47.02	55.73	57.79	67.19	50.68	54.19	45.78	35.12	21.89	42.69	92	-25	120	75	January 1,	August 22,	September 22,	October 24.
1841	25.99	22.03	26.35	33.49	50.87	66.50	63.77	66.10	61.89	40.08	39.61	26.08	43.27	96	-21	117	73	January 8,	August 22,	September 22,	October 24.
1842	25.14	27.72	35.63	45.33	49.15	69.66	65.25	65.87	55.80	46.02	31.32	22.90	44.17	90	-14	104	65	January 25,	July 19,	September 8,	November 19.
1843	29.44	14.13	19.75	42.42	52.13	60.25	65.20	66.75	50.12	42.14	30.10	21.23	42.39	92	-18	108	65	February 17,	July 25,	September 11,	October 14.
1844	14.60	22.57	30.69	30.31	54.95	60.30	65.96	64.07	58.63	42.31	32.00	29.49	43.80	83	-18	106	74	January 29,	July 9,	September 5,	September 29.
1845	24.33	24.29	34.50	41.61	51.61	61.63	60.64	63.81	55.52	46.07	35.08	15.97	43.80	96	-12	108	71	February 2,	July 13,	September 12,	November 9.
1846	20.51	15.84	29.95	46.07	57.03	61.50	64.97	66.27	61.36	42.89	39.74	24.16	44.15	90	-18	108	61	January 19,	July 10,	October 3,	October 17.
1847	22.47	22.47	26.79	37.18	56.08	59.64	67.81	64.21	55.46	42.99	38.05	27.95	43.42	90	-11	101	76	January 10,	August 15,	September 11,	October 26.
1848	24.34	20.59	27.88	46.16	55.89	62.53	64.97	66.51	51.55	45.05	30.80	30.54	43.90	87	-17	104	77	January 10,	August 15,	September 13,	November 5.
1849	16.60	16.72	30.41	33.88	49.09	63.10	67.03	65.80	56.55	44.61	41.73	22.31	42.73	90	-17	107	59	January 10,	July 12,	September 19,	October 31.
Mean.	21.58	21.16	30.33	43.33	53.33	61.68	66.47	64.88	57.48	47.63	35.15	24.19	43.65								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1830	12	6.5	12	18.5	81	49	53	133	S 85° 54' W	42	152.54	145.5	219.5	25	20.5	3.5
1831	20.5	6	7.5	13.5	78	66.5	65.5	112.5	S 81° 32' W	47	172.75	162.5	202.5	25	26	2
1832	13	7.5	6.5	13.5	85	62.5	46.5	131.5	N 76° 51' W	46	166.16	186.5	179.5	29.5	18	1.5
1833	3.5	10.5	4.5	25	40.5	80.5	57	143.5	N 86° 13' W	47	173.35	170.5	194.5	25.5	18.5	1
1834	7.5	8	7.5	22	40	72.5	60	147.5	N 82° 30' W	51	183.34	180	185	36	13.5	3.5
1835	5.5	9	2.5	16.5	48	84.5	73	126	S 84° 51' W	55	201.60	182	183	31	22.5	.5
1837	13	4	2	14	55.5	71	41	164.5	N 85° 06' W	53	193.60	143	222	47.5	40.5	
1838	10	5	9.5	11	43.5	76	65.5	144.5	N 86° 57' W	55	200.98	157.5	213.5	38.5	29.5	2.5
1839	27.5	4.5	7	14.5	53.5	63.5	49.5	145	N 82° 17' W	51	182.84	167.5	197.5	37	20.5	3.5
1840	10	4	8.5	13.5	73	59.5	77.5	120	S 81° 39' W	52	185.40	156	210	74	22	7
1841	16.5	7	8	32	64	43	72	122.5	S 86° 35' W	42	153.84	146.5	218.5	68	43	10
1842	7.5	5	15	15.5	78.5	40	78	125.5	N 87° 11' W	45	165.50	143	222	106	46	4
1843	17.5	4	8.5	21	61	59	82.5	121.5	S 89° 36' W	52	184.10	116	249	25		
1844	12	2.5	3	16.5	86.5	52	101	93.5	S 73° 53' W	54	195.76	152	214	100	55	5
1845	7	2.5	2	15	68	77.5	111	82	S 74° 52' W	59	217.10	142	223	93	51	3
1846	3.5	9.5	5.5	46	54.5	86.5	67.5	92	S 63° 55' W	45	165.86	163	202	90	53	7
1848	1	4.5	2	35.5	67	88.5	43	124.5	S 69° 04' W	47	174.86	161.5	204.5	105	43	13
1849	3.5	5.5	3.5	49.5	80.5	87.5	87.5	47.5	S 45° 52' W	54	195.84	148.5	216.5	106	51	7
Mean.	10.61	5.92	6.39	21.78	63.50	67.75	68.39	120.99	S 80° 07' W	47	175.98	156.53	208.69			
Total.	191	106.5	115	392	1143	1219.5	1281	2177				2817.5	3756.5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1830	2.49	.91	3.92	2.10	3.51	7.08	5.09	2.14	4.00	2.27	4.36	3.27	41.59	February.	June.
1831	3.40	2.01	1.58	4.81	2.21	5.10	4.54	3.73	2.94	3.66	2.76	3.25	37.29	December.	April.
1832	1.94	3.10	1.31	2.42	3.06	2.20	4.35	2.64	2.65	2.70	2.92	3.90	37.79	March.	August.
1833	1.42	1.11	1.55	1.98	5.20	2.78	6.31	2.79	4.22	4.70	2.16	2.95	37.57	February.	July.
1834	1.56	1.38	2.51	2.48	5.42	5.10	1.80	2.32	4.45	3.94	2.38	2.30	39.44	February.	June.
1835	1.44	1.61	.86	4.60	2.77	5.97	3.08	4.24	1.97	2.53	1.50	3.83	34.35	March.	June.
1837	2.73	2.25	2.55	1.64	3.53	5.53	4.88	4.27	2.63	5.29	2.58	2.47	40.64	April.	June.
1838	2.00	1.33	1.29	1.78	6.42	7.65	3.48	5.91	2.31	4.44	3.55	1.14	41.30	December.	June.
1839	4.58	1.21	2.52	1.78	4.67	4.80	3.28	2.66	2.93	1.36	4.00	2.36	36.10	February.	June.
1840	1.70	2.35	3.11	10.46	3.42	4.61	4.09	2.56	3.86	3.00	1.46	3.49	44.11	November.	April.
1841	2.70	.55	4.35	2.85	2.32	3.90	2.78	2.20	1.97	1.50	3.41	4.32	33.15	February.	March.
1842	1.82	5.08	2.54	2.29	1.64	3.18	6.30	6.01	6.27	4.08	2.39	2.33	40.71	May.	July.
1843	3.99	2.70	3.70	2.27	1.50	4.77	4.08	6.01	6.43	4.46	4.63	1.50	46.09	July.	October.
1844	2.86	1.86	2.50	1.85	7.60	3.84	5.92	3.18	1.86	4.32	1.60	2.96	39.92	November.	May.
1845	3.32	3.07	3.81	3.79	4.65	3.88	3.29	2.40	3.53	3.26	2.60	1.93	39.03	December.	May.
1846	2.41	2.56	2.23	1.44	4.43	3.08	4.97	4.34	4.56	2.61	4.28	2.29	39.20	April.	July.
1847	1.85	3.59	1.81	1.51	1.82	3.23	1.72	5.39	4.59	8.80	3.23	35.70	September.	April.	
1848	2.47	1.70	3.49	1.94	5.11	4.24	5.75	3.87	3.10	2.11	2.41	5.89	41.58	February.	December.
1849	1.99	.89	2.66	1.99	4.25	5.64	.80	4.67	2.53	6.96	2.67	3.15	38.20	July.	October.
Mean.	2.46	2.12	2.60	2.78	3.76	4.50	4.10	3.58	3.55	3.58	3.00	2.77	38.30		
Total.	46.67	40.26	49.49	52.98	71.53	85.55	77.96	68.09	67.57	68.18	57.01	52.66	737.76		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1830	16	30	20	6	30	6	30	3	4	7	15	8	21	9	24	26	13	17	27	25	15	26	3	22
1831	4	13	16	6	23	17	18	13	29	9	10	23	8	16	21	28	10	30	16	28	9	30	24	22
1832	18	26	2	24	25	1	25	8	13	2	16	9	1	13	20	25	19	13	*	28	1	15	8	22
1833	5	11	17	24	20	2	29	13	18	4	30	3	23	4	5	29	19	14	16	30	8	20	4	14
1834	17	24	22	7	20	21	14	25	23	15	23	2	8	29	7	27	4	29	17	24	7	15	1	14
1835	26	7	22	3	20	3	11	17	28	8	3	21	28	3	17	31	5	29	18	31	4	29	26	16
1837	31	2	16	13	7	3	29	4	14	1	30	21	18	3	2	23	10	23	23	29	20	25	2	22
1838	4	31	8	14	23	1	7	16	21	8	11	1	4	26	6	27	22	2	2	31	4	24	5	16
1839	11	23	22	9	28	3	6	17	21	3	8	1	30	4	26	30	9	28	18	31	14	21	7	31
1840	29	1	19	4	1	10	25	7	17	5	29	7	12	1	22	9	9	21	1	26	2	19	9	25
1841	7	3	26	11	26	17	25	14	23	2	30	3	24	3	29	31	3	30	31	25	1	29	10	22
1842	19	23	3	17	19	12	22	16	18	9	18	11	19	11	31	1	1	23	1	20	7	29	4	23
1843	21	26	19	17	28	7	22	1	14	2	9	1	28	5	9	1	3	28	2	31	24	14	16	12
1844	16	29	20	9	1	4	14	1	25	21	18	11	9	4	19	28	11	29	25	30	7	25	7	20
1845	28	31	21	2	30	16	26	8	13	29	8	17	13	24	20	31	2	22	11	22	1	28	14	12
1846	30	19	3	26	13	1	17	13	26	11	1	21	10	15	15	18	4	28	8	23	8	25	27	15
1848	1	10	20	11	31	15	11	1	29	12	16	7	11	16	15	18	4	27	16	18	24	10	7	21
1849	25	10	28	15	20	3	4	15	21	5	20	8	12	1	19	31	16	8	28	31	6	1	20	25

* 19 & 20.

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1830	49	-16	48	-22	67	-2	81	25	78	27	85	36	91	46	90	39	75	29	73	28	60	25	53	6
1831	57	-12	53	-11	64	10	74	24	90	28	92	47	85	41	89	38	81	34	75	27	48	12	32	-8
1832	51	-27	49	-17	63	-6	77	13	81	32	84	36	89	47	88	42	83	32	70	19	62	9	44	8
1833	60	-11	46	-10	63	-4	83	25	83	30	84	39	90	46	84	41	77	30	70	24	62	12	44	0
1834	44	-12	57	-4	62	5	78	25	88	23	86	38	93	37	91	36	93	27	72	21	53	11	44	-12
1835	44	-26	40	-12	50	-11	75	18	80	32	90	45	86	49	87	32	82	27	76	27	62	7	49	-19
1837	45	-18	46	-11	58	19	73	17	83	17	86	42	87	19	86	35	81	27	78	15	66	15	57	-12
1838	56	-9	39	-7	65	-10	61	12	87	25	91	42	97	47	92	38	85	38	75	24	56	1	38	-2
1839	52	-14	48	-17	60	0	76	20	81	30	82	35	89	48	86	22	82	30	78	20	51	6	47	-6
1840	47	-28	57	-7	64	-6	87	19	86	39	89	32	92	40	89	44	80	30	70	23	60	21	40	18
1841	54	-10	42	-8	62	-14	76	12	95	25	93	37	96	40	90	38	87	31	66	16	69	4	40	-21
1842	55	-14	55	0	62	0	90	25	80	30	83	27	89	38	84	41	84	26	70	23	57	8	42	4
1843	61	-4	37	-16	45	-12	74	11	88	30	89	34	92	40	89	44	88	28	71	18	44	14	44	0
1844	41	-18	39	-7	48	12	79	12	80	31	85	40	87	45	81	48	82	30	67	30	52	14	50	5
1845	47	-6	59	-12	76	8	73	16	88	24	93	36	96	40	90	45	76	31	66	18	58	4	34	-10
1846	40	-18	40	-16	52	-9	77	18	83	26	83	40	90	38	87	33	84	39	74	13	64	16	45	2
1847	48	-1	44	-11	62	2	75	14	80	29	84	38	90	37	88	39	84	32	66	10	70	-6	54	-9
1848	54	-17	43	-14	66	-11	72	25	81	32	84	34	86	49	87	50	72	25	67	24	44	9	54	5
1849	44	-12	42	-17	54	3	69	17	79	28	87	41	90	45	86	42	81	33	68	24	61	21	43	-4
Highest.	61		59		76		90		95		93		97		92		93		78		70		57	
Lowest.		-28		-22		-14		11		17		27		37		32		25		10		-6		-21
Range.		89		81		90		79		78		66		60		60		68		68		76		78

SUMMARY OF OBSERVATIONS

AT THE

ONEIDA INSTITUTE OF SCIENCE AND INDUSTRY,

WHITESTOWN, ONEIDA COUNTY, N. Y., DURING SEVEN YEARS.

Latitude N. 43° 08'; Longitude W. 75° 14'. Valley of the Mohawk, on the same level as the canal.

OBSERVERS.

1834, ISAAC T. PLATT.
1835, ISAAC S. PLATT.
1836, J. JUDD.

1837, JOSEPH CANFIELD.
1838, GEORGE GEMEL, Student.
1839, '40, Not stated.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1834	19,00	20,46	44	—	8 52			7,5	4		2	17,5		20,5	10,5				2,40
1835	11,51	30,73	43	—	33 76			12	1,5	,5	1	14	2	9,5	21,5	3	2	1	1,77
1836	27,43	14,87	36	—	18 54	2		9		2		10,5	7,5	12	19	,5	4	1	10,31
1837	14,25	16,74	44	—	17 61		1	7,5		2	1	19,5		12	19		5		1,73
1838	28,13	25,43	53	—	28 31	1	,5	2	3	4	6	8	6,5	9,5	21,5	4	2	,5	2,02
1839	27,18	14,27	49	—	34 6	,5	1	7	,5	6,5	1	13,5	1	7	24	2	6	3	,73
1840	10,90	15,11	40	—	24 64	3	1,5	4	4	5	3	8,5	2	13	18	1	4		,21
Mean.	19,77	19,66				,93	,57	7,00	1,85	2,86	2,00	13,07	2,72	11,93	19,07				2,74
Total.						6,5	4	49	13	20	14	91,5	19	83,5	133,5				19,17
FEBRUARY.																			
1834	26,30	36,53	55	—	6 61	,5	1	4,5	5	5	2,5	8,5	1	13,5	14,5	2	1		1,31
1835	12,39	23,41	46	—	12 58			5	,5	2	5	13	2,5	11	17	3	3	1	1,37
1836	10,95	18,86	44	—	18 62	2,5	1	7,5	,5		1	12	4,5	11,5	17,5	1	2	1,5	2,97
1837	18,25	22,33	41	—	32 73	1,5		10,5				16		11	17	5	5		2,00
1838	16,86	8,35	38	—	21 59		1		1	3,5	6	8	8,5	14	14		2,5		,83
1839	17,09	28,27	45	—	44 1	1,5	3	7		2		14,5		8	20	4	5	1	,36
1840	23,81	32,18	56	—	16 72	,5	1,5	3	7,5	7,5	5	4		18,5	10,5	2	,5		1,06
Mean.	17,96	24,28				,93	1,07	5,36	2,07	2,57	3,07	10,86	2,36	12,50	15,79				1,41
Total.						6,5	7,5	37,5	14,5	18	21,5	76	16,5	87,5	110,5				9,90

MARCH.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1834	26,27	32,74	61	45	57			3,5	4	8,5	3	11	1	16,5	14,5	3	2,5	,5	2,26
1835	27,08	32,07	53	—13	66	,5		10	,5	1,5	1	15	2,5	17,5	13,5	1	2	1	1,29
1836	19,81	25,35	50	—11	61	6,5		9,5		1		14		16,5	14,5	1,5	1	,5	,81
1837	21,52	32,31	47	—26	73	,5		8		2,5		20		16,5	14,5	2,5	2,5		,76
1838	29,61	36,35	56	—16	72	,5	1,5	9	1	,5	6	7	5,5	18	13	1	2		1,15
1839	25,56	35,40	60	2	58		,5	7,5		4	,5	15,5	3	16	15	4	3	2	,48
1840	32,27	30,51	54	0	54	2	1	4,5	7	5	5	4,5	2	13,5	17,5	4	4		2,61
Mean.	26,02	32,10				1,43	,43	7,43	1,79	3,28	2,21	12,43	2,00	16,36	14,64				1,34
Total.						10	3	52	12,5	23	15,5	87	14	114,5	102,5				9,36

APRIL.

1834	49,29	45,11	81	21	60	,5		11	2		1	10	5,5	17	13				2,50
1835	43,73	39,94	71	11	60	1		12,5		2	1	11	2,5	19	11	4	4		3,09
1836	34,63	46,19	77	12	65	2,5		11		4	1	11,5		17,5	12,5	4	2	1	2,40
1837	40,02	40,89	66	22	44			5		,5	2	22,5		16	14	3,5	1		,64
1838	36,74	38,19	65	15	50	1	1,5	4	3,5	1	6,5	5,5	7	15	15	2	1,5		1,08
1839	48,87	47,75	78	22	56	3	1	6,5		1	1,5	11	6	16,5	13,5	9			1,46
1840	42,31	59,44	80	25	55		,5	2,5	8	5	6,5	6,5	1	19,5	10,5	4	1		4,21
Mean.	42,23	45,36				1,14	,43	7,50	1,93	1,93	2,79	11,14	3,14	17,21	12,79				2,19
Total.						8	3	52,5	13,5	13,5	19,5	78	22	120,5	89,5				15,38

MAY.

1834	45,48	62,74	90	23	67	3,5		6	2,5		1	11	7	23,5	7,5				2,28
1835	49,27	61,21	83	31	52			9,5	,5	,5		18	2,5	26,5	4,5	2			,99
1836	58,53	57,96	90	30	60	3,5		12,5		2		12,5	,5	17	14	9			5,15
1837	51,81	54,78	80	20	60			13,5		,5	3	13	1	16,5	14,5	7,5			,88
1838	49,81	56,07	75	24	41	1	2	3,5	2,5	5,5	7	7,5	2	11,5	19,5	6			3,40
1839	50,96	57,01	80	29	51	1	1,5	9,5	2	,5	1,5	12,5	2,5	11,5	19,5	12			3,99
1840	58,34	76,05	90	6	84	,5	1,5	4,5	6	6	8,5	3,5	,5	24	7	2,5			2,54
Mean.	52,03	60,83				1,36	,71	8,43	1,93	2,14	3,00	11,14	2,29	18,64	12,36				2,75
Total.						9,5	5	59	13,5	15	21	78	16	130,5	86,5				19,23

JUNE.

1834	60,17	64,61	85	39	46	2	1	6	1		1	13	6	17,5	12,5				2,92
1835	68,45	60,29	90	41	49			4	,5	2	1,5	19,5	2,5	20	10	8			4,36
1836	66,25	63,36	82	43	39	1	1,5	15	,5	3	1,5	7,5		14	16	6			4,70
1837	67,61	63,26	88	47	41		,5	6,5	1,5	3,5	1	17		18	12	8			2,95
1838	60,71	68,27	92	50	42		,5	2	1	8	5,5	12	1	19,5	10,5	5			1,21
1839	56,69	59,51	84	35	49		,5	5,5		3	3	15,5	2,5	15	15	17			3,91
1840	67,26	76,21	95	45	50			3	6	10,5	6	4,5		13,5	16,5	4			3,69
Mean.	63,89	65,07				,43	,57	6,00	1,50	4,29	2,79	12,71	1,71	16,79	13,21				3,39
Total.						3	4	42	10,5	30	19,5	89	12	117,5	92,5				23,74

JULY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1834	70,71	70,18	97	41	56	3,5	1	3	1	2	2	9	9,5	29	2				3,35
1835	67,63	71,27	89	43	46			4,5	,5	3,5	2	14,5	6	22,5	8,5	9			1,98
1836	73,64	69,69	91	48	43	2	,5	6,5		4		17,5	,5	24,5	6,5	4			,69
1837	65,49	66,96	84	47	37	1		5		2	,5	22,5		18,5	12,5	3,5			3,50
1838	72,38	72,37	94	52	42	1,5	,5	3,5	,5	1	4,5	17	2,5	24	7	5			2,63
1839	63,96	71,72	96	47	49			3	,5	7,5	11	8	1	18	13	12			3,90
1840	78,81	80,23	96	48	48		,5	1,5	7,5	7	11,5	2	1	24	7	3,5			7,65
Mean.	70,37	71,77				1,14	,35	3,86	1,43	3,85	4,50	12,93	2,94	22,93	8,07				3,39
Total.						8	2,5	27	10	27	31,5	90,5	20,5	160,5	56,5				23,70

AUGUST.

1834	70,67	63,64	89	37	52	8,5	,5	3,5		2		6	10,5	29	2				1,42
1835	64,98	62,98	87	40	47	,5		3	,5	2,5	,5	18,5	5,5	22	9	7			2,66
1836	66,88	58,28	83	34	49	4		7,5	,5	3,5	,5	11	4	21	10	4,5			1,08
1837	67,65	56,83	88	44	44	2	1	10	,5	2	,5	14,5	,5	21	10	4			2,08
1838	70,65	70,95	93	41	52		1	5	1	1,5	1	10,5	11	22	9	6,5			3,63
1839	62,96	66,90	92	42	50			6,5	2,5	1,5	6,5	14		12	19	4			2,25
1840	68,81	73,71	98	48	50			7,5	4	4	5,5	10		22,5	8,5	9			7,60
Mean.	67,51	64,75				2,14	,36	6,14	1,29	2,43	2,07	12,07	4,50	21,36	9,64				2,96
Total.						15	2,5	43	9	17	14,5	84,5	31,5	149,5	67,5				20,72

SEPTEMBER.

1834	61,09	53,67	88	23	65	2		5	6	3	,5	9,5	4	25	5				1,23
1835	57,86	51,07	86	29	57			5,5	1	3	1	15,5	4	19,5	10,5	5			,84
1836	59,58	57,90	86	28	58	1	1	13		4,5		10	,5	17,5	12,5	7	1		4,20
1837	59,67	56,09	81	28	53	,5		12	,5	5	2	7	3	20	10	8			1,13
1838	62,36	60,07	86	30	56	1	,5	7,5	2,5	1,5	1,5	10	5,5	19	11	2,5			2,71
1839	63,46	55,11	88	33	55			6	5	,5	3	13,5	2	11	19	6			1,64
1840	63,55	58,61	88	32	56		1	3,5		3	7	13,5	2	19,5	10,5	8	2,5		6,05
Mean.	61,08	56,07				,64	,36	7,50	2,14	2,93	2,14	11,29	3,00	18,79	11,21				2,54
Total.						4,5	2,5	52,5	15	20,5	15	79	21	131,5	78,5				17,80

OCTOBER.

1834	50,13	40,26	75	19	56	2	,5	8		1,5	3,5	12	3,5	16	15	6,5	,5		2,60
1835	47,64	57,16	73	28	45	2	,5	8,5	,5	2	2,5	12,5	2,5	15,5	15,5	5			2,39
1836	43,04	37,33	68	18	50	4,5	,5	3		3	3,5	15,5	1	13	18	6	3		2,66
1837	43,91	45,78	74	16	58	3,5	1,5	5,5	3,5	2,5	2	7,5	5	15,5	15,5	5			3,92
1838	53,96	40,30	78	25	53		1	3,5	2,5	3	7,5	7,5	6	8,5	22,5	8	2		4,21
1839	51,89	47,24	81	16	65	7,5	2	10	2,5	2	2,5	4,5		18	13	4			,70
1840	54,39	46,44	78	20	58	1	2	5,5	3,5	2,5	1	14,5	1	21,5	9,5	5	1,5		6,45
Mean.	49,28	44,93				2,93	1,14	6,29	1,79	2,36	3,21	10,57	2,71	15,43	15,57				3,27
Total.						20,5	8	44	12,5	16,5	22,5	74	19	108	109				22,93

NOVEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1834	36,82	32,50	53	11	42	2		6	2,5	2	1	10	6,5	13	17	3,5	1,5	,5	1,42
1835	43,60	29,49	64	8	56	3	2	6	1,5	1,5	1,5	8	6,5	11	19	2	1	1	1,93
1836	38,47	28,24	59	10	49	,5		9			,5	19,5	,5	9	21	3	3		1,44
1837	35,50	38,66	70	16	54	1,5		3	2,5	,5	3,5	8,5	10,5	9,5	20,5	2			2,43
1838	37,17	24,80	54	-2	56			7	2	,5	8,5	10,5	1,5	7,5	22,5	4,5	5		2,14
1839	34,74	28,40	49	10	39	1,5	1	3		8,5	4,5	9	2,5	16,5	13,5	6	5		2,41
1840	42,38	33,98	60	20	40			9,5	1,5	4	3,5	9	2,5	21,5	8,5	2,5	3		3,01
Mean.	38,38	30,87				1,21	,43	6,21	1,43	2,43	3,29	10,64	4,36	12,57	17,43				2,11
Total.						8,5	3	43,5	10	17	23	74,5	30,5	88	122				14,78

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1834	27,63	18,72	44	-9	53	5	,5	9	1	1	1	7	6,5	21	10	2,5	3,5		1,79
1835	15,96	17,77	39	-18	57	5,5		5	2,5			3,5	14,5	11,5	19,5	2	9		2,33
1836	28,04	17,83	42	5	37	,5	,5	10		2	,5	16,5	1	10,5	20,5	1	5		1,60
1837	28,35	21,62	49	-12	61	1		2,5	5,5		,5	14	7,5	6	25	2	3,5		1,20
1838	23,09	21,36	39	-6	45		1	7,5	1,5	2,5	3	13	2,5	9,5	21,5	,5	6,5	,5	,43
1839	33,36	19,95	45	-6	51	4	5	5,5	2,5	3,5	3	4,5	3	15	16	3	7		2,36
1840	25,31	15,85	43	-10	53	1	1	8,5	1	3,5	6,5	8	1,5	12	19	1	7		4,03
Mean.	25,96	19,01				2,43	1,14	6,85	2,00	1,80	2,07	9,50	5,21	12,21	18,79				1,96
Total.						17	8	48	14	12,5	14,5	66,5	36,5	85,5	131,5				13,74

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	Rain gage, total fall.
	First Half.	Seco'd Half.																					
January, --	19,77	19,66	53	-33	86	,98	,57	7,00	1,85	2,86	2,00	13,07	2,72	S 75° 56' W	26	8,05	11,93	19,07				2,74	19,17
February, --	17,96	24,28	56	-32	88	,93	1,07	5,36	2,07	2,57	3,07	10,86	2,36	S 68° 15' W	25	7,67	12,50	15,79				1,41	9,90
March, ---	26,02	32,10	61	-26	87	1,43	,43	7,43	1,79	3,28	2,21	12,48	2,00	S 73° 00' W	22	6,70	16,36	14,64				1,84	9,36
April, ----	52,23	45,36	81	11	70	1,14	,43	7,50	1,93	1,93	2,79	11,14	3,14	S 68° 21' W	12	6,61	17,21	12,79				2,19	15,88
May, ----	52,03	60,83	90	6	84	1,36	,71	8,43	1,93	2,14	3,00	11,14	2,29	S 64° 51' W	17	5,06	18,64	12,36				2,75	19,28
June, ----	63,89	65,07	95	35	60	,43	,57	6,00	1,50	4,29	2,79	12,71	1,71	S 57° 48' W	33	9,96	16,79	18,21				8,39	23,74
July, ----	70,87	71,77	97	41	56	1,14	,35	8,66	1,43	3,85	4,50	12,35	2,94	S 70° 14' W	46	13,89	22,33	8,07				3,39	23,70
August, ---	65,71	64,75	93	34	64	2,14	,36	6,14	1,23	2,43	2,07	12,07	4,50	N 35° 34' W	33	9,85	21,36	9,64				2,96	20,72
September, --	61,08	56,07	88	23	65	,64	,86	7,59	2,14	2,93	2,14	11,29	3,00	S 69° 33' W	21	6,30	18,79	11,21				2,54	17,60
October, --	49,23	44,93	81	16	65	2,33	1,14	6,29	1,79	2,36	3,21	10,57	2,71	S 87° 54' W	22	6,50	15,43	15,57				3,27	22,93
November, --	38,38	30,87	70	-2	72	1,21	,43	6,21	1,42	2,43	3,29	10,64	4,36	S 83° 24' W	28	7,92	12,57	17,43				2,11	14,78
December, --	25,96	19,01	45	-18	63	2,43	1,14	6,85	2,00	1,80	2,07	9,50	5,21	N 65° 02' W	20	6,02	12,21	18,79				1,96	13,74
Mean. ---	45,22	44,56				1,89	,63	6,55	1,76	2,78	2,76	11,53	3,98	S 77° 18' W	25	7,48	16,87	4,01				2,50	17,52

Highest degree, August 21, 1840, - - - - - 98°
 Lowest degree, January 4, 1835, - - - - - -31°
 Extreme range in 7 years, - - - - - - - 131°
 Greatest monthly range in February.
 Least monthly range in July.

Mean monthly range, 71½°.
 Driest month, February.
 Wettest months, June and July.
 Total fall of rain and snow in 7 years, 17 feet 6,25 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1884	19, 78	31, 41	29, 50	47, 20	54, 11	62, 20	70, 44	67, 04	57, 38	45, 18	34, 66	33, 17	45, 17	97	-9	106	67	December 14,	July 8,	August 4,	November 1.
1885	21, 12	17, 80	29, 57	41, 83	55, 24	64, 87	69, 45	63, 98	54, 77	52, 40	36, 54	17, 58	43, 76	90	-38	123	76	January 9,	June 11,	August 4,	November 12.
1886	21, 14	14, 95	22, 58	40, 41	58, 24	64, 80	71, 66	62, 58	55, 89	40, 16	33, 35	22, 98	44, 31	91	-18	109	65	February 18,	July 9,	November 16.	November 16.
1887	15, 49	20, 29	26, 91	40, 45	58, 25	65, 43	66, 22	62, 24	57, 88	44, 84	37, 08	24, 98	42, 93	82	-32	120	73	February 19,	August 13,	September 4,	November 24.
1888	26, 78	12, 65	32, 98	37, 46	58, 25	64, 49	72, 37	70, 84	61, 21	47, 13	30, 98	22, 22	44, 96	94	-28	122	81	January 31,	July 19,	September 3,	October 13.
1889	20, 51	20, 84	30, 61	47, 96	54, 08	58, 10	70, 22	64, 99	59, 28	49, 49	31, 28	26, 87	44, 47	96	-6	102	63	January 29,	July 19,	October 1,	November 7.
1890	13, 00	21, 99	31, 39	50, 87	67, 19	71, 73	79, 52	70, 26	60, 08	50, 41	38, 18	20, 50	48, 83	98	-24	122	84	January 16,	July 16,	October 4,	October 25.
Mean.	19, 68	20, 85	29, 08	43, 74	56, 48	64, 53	71, 41	65, 99	58, 50	47, 09	34, 57	23, 97	44, 83								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1884	29, 5	4, 5	73	29	25	18, 5	124, 5	61	N 78° 25' W	24	85, 81	224, 5	140, 5			
1885	12, 5	2, 5	85, 5	10	21	17	163	53, 5	N 84° 13' W	32	119, 14	205, 5	159, 5	51	21	4
1886	30, 5	5	113, 5	1, 5	29	8, 5	158	20	N 76° 23' W	14	51, 52	184	182	47, 5		4
1887	11, 5	4	89	14	21	16	182	27, 5	S 85° 39' W	30	111, 37	180, 5	184, 5	49	17	
1888	6	11	54, 5	22	32, 5	63	116, 5	59, 5	S 73° 39' W	36	130, 57	178	187	45	21, 5	1
1889	19	15, 5	77	15, 5	38, 5	40	136	23, 5	S 69° 12' W	24	87, 71	164, 5	200, 5	83	26	6
1890	8	10, 5	57, 5	56	63	69	88, 5	13, 5	S 73° 32' W	12	44, 16	223	143	46, 5	23, 5	
Mean.	16, 71	7, 57	78, 57	21, 14	32, 85	33, 14	138, 36	36, 93	S 81° 40' W	25	91, 44	194, 29	171, 00			
Total.	117	53	550	148	230	232	988, 5	258, 5				1360	1197			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1884	2, 40	1, 31	2, 26	2, 50	2, 23	2, 92	3, 35	1, 43	1, 23	2, 60	1, 42	1, 79	25, 48	September.	July.
1885	1, 77	1, 37	1, 29	3, 09	5, 99	4, 36	1, 93	2, 66	1, 84	2, 39	1, 93	2, 83	25, 00	September.	June.
1886	10, 31	2, 97	81	2, 40	5, 15	4, 70	1, 08	4, 20	2, 60	1, 44	1, 60	38, 01	38, 01	July.	January.
1887	1, 73	2, 00	76	1, 64	3, 83	2, 95	3, 60	2, 14	1, 13	3, 92	2, 43	1, 20	23, 02	April.	October.
1888	2, 02	83	1, 15	1, 08	3, 40	1, 21	2, 63	3, 63	2, 71	4, 21	2, 14	43	25, 54	December.	October.
1889	73	36	48	1, 46	3, 99	3, 91	3, 90	2, 25	1, 64	70	2, 41	2, 36	24, 19	February.	May.
1890	21	1, 06	2, 61	4, 21	2, 54	3, 69	7, 63	7, 60	6, 05	6, 45	3, 01	4, 03	49, 19	January.	July.
Mean.	2, 74	1, 41	1, 34	2, 19	2, 75	8, 89	3, 39	2, 96	2, 54	8, 27	2, 11	1, 96	30, 06		
Total.	19, 17	9, 90	9, 36	15, 38	19, 23	23, 74	23, 70	20, 72	17, 80	25, 93	14, 78	13, 74	210, 43		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1834	17	24	22	12	18	3	16	10	27	15	21	2	8	12	7	27	4	29	18	25	4	15	8	14
1835	15	4	22	3	16	3	12	17	28	14	11	21	24	8	13	31	5	29	23	31	4	29	25	16
1836	13	27	24	18	12	28	26	5	16	25	17	20	9	26	4	30	13	20	3	26	11	25	16	30
1837	31	2	27	13	17	3	29	1	31	1	30	17	14	3	2	23	6	13	23	29	21	25	2	22
1838	5	31	9	20	24	2	29	20	29	10	17	8	9	11	23	27	22	2	2	31	4	25	1	30
1839	9	24	23	9	29	3	24	8	25	5	8	12	19	7	20	30	9	28	9	30	30	21	7	20
1840	21	16	20	3	5	22	25	1	18	8	24	1	16	21	21	9	9	21	19	27	4	27	15	25

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1834	44	— 3	55	— 6	61	— 4	81	21	90	23	85	39	97	41	89	37	88	23	75	19	53	11	44	— 9
1835	43	— 33	46	— 12	53	— 13	71	11	83	31	90	41	89	43	87	40	86	29	73	28	64	8	39	— 18
1836	36	— 18	44	— 18	50	— 11	77	12	90	30	82	43	91	48	83	34	83	28	68	18	59	10	42	5
1837	44	— 17	41	— 32	47	— 26	66	22	80	20	88	47	84	48	88	44	81	28	74	16	70	16	49	— 12
1838	53	— 28	38	— 21	56	— 16	65	15	75	24	92	50	94	52	93	41	86	30	78	25	54	— 2	39	— 6
1839	49	3	45	4	60	2	78	22	80	29	84	35	96	47	92	42	88	33	81	16	49	10	45	— 6
1840	40	— 24	56	— 16	54	0	80	25	90	6	95	45	96	48	98	48	88	32	78	20	60	20	43	— 10
Highest.	53		56		61		81		90		95		97		98		88		81		70		49	
Lowest.		— 33		— 32		— 26		11		6		35		41		34		23		16		— 2		— 18
Range.		86		88		87		70		84		60		56		64		65		65		72		67

SUMMARY OF OBSERVATIONS AT ONONDAGA ACADEMY,

ONONDAGA HOLLOW, ONONDAGA COUNTY, N. Y., DURING SIXTEEN YEARS.

Latitude N. 42° 59'; Longitude W. 76° 06'. On the west side of Onondaga creek, in Onondaga valley, about 50 rods from the same, and 20 feet above the level of its banks.

OBSERVERS.

1826, '27, '28, SAMUEL B. WOOLWORTH, Principal.

1832 to 1844, except 1834, J. L. HENDRICK, Principal.

1829, S. B. WOOLWORTH, Principal, R. DICKINSON and M. MARSH.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	30,82	20,68	58	-12	70	1			1	18,5	2	5	3,5	7	24	4	2,5		4,23
1827	13,02	15,22	42	-10	52	2	1	1,5	,5	2	1,5	13,5	9	19,5	11,5	1	10		7,86
1828	39,81	27,20	60	-15	75			2	1,5	13,5	1	9,5	3,5	9	22	7	2		1,55
1829	20,20	25,45	47	-	6,53	,5	1	,5	,5	8,5	,5	17	2,5	15,5	15,5		6		3,26
1832	25,94	23,89	52	-12	64	3	4		2	10	1,5	1	9,5	14	17	1,5	3,5		1,22
1833	34,57	27,99	64	-	5,69		1	1	2,5	10,5	3,5	5,5	7	7	24	3,5	2,5	,5	1,08
1835	16,00	35,39	49	-18	67	,5		2	4,5	5,5	4	8	6,5	11,5	19,5	3	2		,93
1836	30,99	21,32	45	-	1,46		3	2	3,5	1,5	3,5	10,5	7	5,5	25,5	1	11	3	6,29
1837	17,71	22,56	47	-16	63	2	1	,5	4,5	3,5	3,5	9	7	8	23		14		1,30
1838	38,71	28,12	62	-	5,67	1,5	1		,5	12,5	4,5	6,5	4,5	11,5	19,5	1	5		,71
1839	31,33	18,10	52	-10	62				5	10	,5	4	11,5	8,5	22,5	1	9		2,93
1840	17,98	20,94	52	-13	65	1	,5		1	6,5	6,5	9	6,5	6	25	2	6	1	1,95
1841	28,14	30,46	56	-	2,58			4	2	9,5	2	9,5	4	4,5	26,5	4	9	1	2,29
1842	24,14	30,90	52	-	8,60	2			,5	14	1	10	3,5	9,5	21,5	1	9		1,04
1843	20,27	30,52	60	-	5,65	1	1	1,5	2,5	7,5	2,5	9,5	5,5	9,5	21,5	3	7		2,40
1844	21,66	10,97	40	-12	52	2		4	2	3,5	1,5	7,5	10,5	4,5	26,5	3	11		1,35
Mean.	25,71	24,36				1,03	48	1,19	2,12	8,56	2,47	8,44	6,35	9,44	21,56				2,52
Total.						16,5	13,5	19	34	137	39,5	135	101,5	151	345				40,39

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	24,09	28,36	56	—22	78	3,5				12,5	1	8,5	2,5	13,5	14,5	1	2,5		2,23
1827	20,32	36,19	56	—7	63	2,5				15	5	3,5	2	13	15	4	3		2,69
1828	30,80	36,98	59	10	49		2,5	1	1,5	11		9,5	3,5	11,5	17,5	9	2		1,42
1829	21,61	23,99	42	—8	50				1,5	4,5	1,5	20,5		8,5	19,5		1		,51
1832	28,29	21,41	55	—13	68	2	1,5		7,5	1	2,5	2	12,5	7,5	21,5	1,5	4,5	,5	1,44
1833	23,28	25,75	50	—2	52		2	1	2,5	2	3	10	7,5	9	19	,5	7,5		1,43
1835	15,72	28,52	53	—6	59	,5	3	1	2	4,5	5	7,5	4,5	9	19	1	6,5		1,43
1836	16,40	23,19	50	—18	68		,5		4	5	1	8,5	9,5	10	19	2	14		2,07
1837	24,34	27,13	50	—5	55			1,5	1	6	3	8,5	8	7	21	3	10		2,13
1838	19,73	14,64	47	0	47	,5	1,5	1	1,5	4	3,5	10	6	3	25		12		,77
1839	20,34	36,53	50	—10	60			2,5	3,5	7	4	8,5	2,5	8,5	19,5	3	3		1,25
1840	29,06	39,38	60	—8	68	3				7	4,5	5,5	9	10	19	6,5	2,5	1	1,24
1841	21,81	29,26	50	5	45	,5		1	3	7	1,5	10	5	10	18		6		,49
1842	33,85	26,21	60	4	56	,5	,5	1,5	,5	8,5	2	10,5	4	8	20	2	9	1	1,80
1843	16,90	17,93	39	—5	44	,5		2	2	4	1,5	12,5	5,5	7,5	20,5		12	1	2,37
1844	23,67	28,70	50	—8	58	1,5	,5	3	2	6	2	7,5	6,5	9,5	19,5	1	8		,43
Mean.	23,70	27,76				,94	,75	1,00	2,03	6,56	2,56	8,94	5,53	9,11	19,21				1,48
Total.						15	12	16	32,5	105	41	143	88,5	145,5	307,5				23,70

MARCH.

1826	39,18	33,99	67	9	58	10,5				14		5	1,5	13,5	17,5	3	2		3,16
1827	32,04	43,19	74	3	71	2	1	,5	1	10,5	2	10,5	3,5	21	10	2	2		2,32
1828	35,05	49,43	80	10	70	5	1	2	1,5	13		8	,5	17,5	13,5	5	2		1,10
1829	29,29	33,92	60	2	58					15		16		11,5	19,5		1	1	,39
1832	35,05	35,67	69	3	66	5,5	1	1	8	10	,5	3	2	13	18	1	2,5		,54
1833	25,02	42,22	70	0	70	,5	,5	,5	4	7,5	1,5	11	5,5	15,5	15,5	2	3,5		2,28
1835	30,23	37,21	58	—5	63		1,5	1	3	5	3,5	8,5	8,5	12	19	2,5	1	,5	1,31
1836	24,22	32,56	58	2	56		2	2,5	7	,5	16,5	2,5	16,5	14,5	2	6			,53
1837	27,04	35,33	60	—8	68	1	2	,5	4,5	7	1,5	8	6,5	14,5	16,5	7	2	3	2,01
1838	32,63	40,12	69	—10	79	1,5	1	3	2,5	8,5	1,5	5	8	14,5	16,5	3	3		,61
1839	29,79	38,21	69	4	65	2,5	1,5	,5	2	4,5	4,5	7,5	8	17,5	13,5	3	5	1	1,53
1840	35,76	35,65	64	4	60	2	2		,5	5	1,5	10	10	11	20	5	4	1	2,71
1841	27,33	35,14	73	—6	79	2	,5	3	4	4	2,5	6,5	8,5	14,5	16,5	4	6	1	2,42
1842	37,48	37,62	70	8	62		,5	3	1,5	7	5,5	8	5,5	10	21	7	5	1	1,87
1843	20,00	25,52	49	—9	58	,5		3,5	2,5	3	3	15,5	3	8,5	22,5	2	16	1	4,24
1844	35,93	30,14	52	7	45	,5		3	1,5	6,5		12	7,5	9,5	21,5	7	3	1	1,70
Mean.	31,00	36,62				2,09	,78	1,47	2,44	7,97	1,75	9,44	5,06	13,78	17,22				1,79
Total.						33,5	12,5	23,5	39	127,5	28	151	81	220,5	275,5				28,72

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	35,30	49,38	82	10	72	4		1,5		9	,5	9,5	5,5	16	14	3	1		2,18
1827	59,08	46,24	79	26	53	2,5	1,5	1,5	12	9,5	1	8	4	18,5	11,5	5			2,05
1828	41,55	47,74	80	23	57			1,5	2	9,5	1	11	5	15	15	6	2		1,25
1829	44,78	54,60	79	32	47			4	1	13,5		10	1,5	12,5	17,5	4		1	1,94
1832	44,85	48,04	75	18	57	6	5,5	1	3,5	6,5		1	6,5	12,5	17,5	7			,85
1833	47,86	54,11	90	20	70	1	,5		5	3	2	6,5	12	22,5	7,5	2			2,08
1835	48,43	42,84	76	20	56	,5	3,5	2	4	3,5	2,5	7	7	12	18	6	3	1,5	4,28
1836	36,88	49,15	78	19	59	1,5	,5	2,5	3,5	8	1,5	4	8,5	19,5	10,5	5	3	2	1,48
1837	39,44	42,14	78	19	59				1,5	4,5	1,5	10,5	12	11,5	18,5	5	3		1,08
1838	37,29	39,36	64	18	46		,5	2	2,5	3,5	3	7,5	11	11,5	18,5	4	4	1	1,50
1839	49,58	50,27	80	23	57	2	1,5	1	3,5	5,5	1	4	11,5	17,5	12,5	7			2,26
1840	43,17	53,19	86	19	67	1,5		1	2,5	8,5	2	8	6,5	17,5	12,5	7	1		3,54
1841	36,65	48,58	80	20	60	,5	1,5	3	3,5	4	,5	7,5	9,5	12	18	8	4		2,71
1842	43,17	47,97	86	18	68	1	,5	5,5	2	2	2,5	9	7,5	16	14	11	1		1,76
1843	37,89	49,54	74	14	60		,5	5	3,5	5		10,5	5,5	10	20	5	1	1	1,78
1844	51,47	50,89	80	0	80		1,5	3	2	8,5	1,5	5	8,5	20,5	9,5	7			1,56
Mean.	43,59	48,38				1,28	1,09	2,17	2,63	6,50	1,25	7,45	7,63	15,31	14,69				2,02
Total.						20,5	17,5	34,5	42	104	20	119	122	245	235				32,30
MAY.																			
1826	67,80	63,50	94	39	55	1,5				13,5	4,5	8,5	3	29	2	1			,50
1827	54,12	66,59	86	35	51	2,5	,5			15	4,5	7	1,5	24	7	5			1,77
1828	62,47	57,48	81	43	38	,5		2,5	2	12	1	12	1	12,5	18,5	5			,54
1829	58,52	69,44	91	40	51			1	3	8	2,5	10	6,5	21,5	9,5	3			1,39
1832	60,03	58,91	90	28	62	12,5	1,5		1,5	9		,5	6	20	11	4			1,86
1833	57,82	62,40	86	26	60	2	1	2,5	1,5	8	1,5	7	7,5	15,5	15,5	6,5			4,73
1835	51,44	64,37	84	36	48		4,5	,5	3	3	,5	8	11,5	20	11	4			1,07
1836	57,83	60,77	86	31	55	,5	1	3,5	1,5	8	1	5,5	10	17,5	13,5	11			6,73
1837	53,81	55,29	86	23	63		1	1,5	3,5	8	3,5	5	8,5	14	17	14			2,27
1838	50,11	57,11	88	30	58	1	2	1,5	2,5	2	4,5	6,5	11	12,5	18,5	12			5,81
1839	49,86	58,14	83	30	53	1,5	2		2	5,5	4	8	8	15,5	15,5	8			4,87
1840	51,25	67,03	89	31	58	3	,5	2,5	4	8,5	1	5,5	6	18,5	12,5	7		1	2,35
1841	45,88	68,27	92	30	62	2	1	1	2,5	7	1,5	8,5	7,5	18	13	8	1		2,01
1842	47,82	58,08	83	34	49	,5	,5	1,5	1	8,5	2,5	9	7,5	17,5	13,5	8			1,65
1843	54,35	51,85	88	29	59	1	3	2	3	6	1,5	6,5	8	22	9	5			1,73
1844	55,17	58,12	87	28	59	2,5		1,5		9	3,5	10	4,5	13,5	17,5	14			5,08
Mean.	54,89	61,08				1,94	1,16	1,34	1,94	8,19	2,34	7,34	6,75	18,22	12,78				2,77
Total.						31	18,5	21,5	31	131	37,5	117,5	108	291,5	204,5				44,36

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1826	68,92	68,54	90	44	46					13,5	3,5	10,5	2,5	18,5	11,5	5			4,75
1827	70,62	71,29	93	45	48					12	2	11	5	21	9	4			4,20
1828	67,96	76,84	99	50	49	1			,5	9,5	2,5	10	6,5	19,5	10,5	8			1,97
1829	68,54	62,82	91	45	46	1,5		,5	1,5	8	,5	7,5	10,5	20	10	7			4,46
1832	68,18	69,14	90	49	41	4,5	1,5	1	2	11	2,5	1,5	6	23,5	6,5	4			3,08
1833	58,26	63,85	88	39	49	1		3,5	2	6		11,5	6	19	11	4,5			2,05
1835	69,19	63,62	89	48	41	1		1,5	2	5	4	4	12,5	17,5	12,5	6,5			6,53
1836	66,14	64,11	85	46	39	1,5	2	9,5	4,5	3,5	2,5	,5	6	14	16	12			4,51
1837	66,46	63,51	86	48	38	2,5		,5	1,5	6,5	2,5	7,5	9	15,5	14,5	13			4,99
1838	67,09	69,65	92	49	43	1		,5	3	3,5	6	8	8	13,5	16,5	14			3,75
1839	58,02	61,34	84	38	46		,5	3	2	3	1,5	10,5	9,5	14	16	10			3,82
1840	61,59	65,70	88	40	48	1	,5	1	6	2,5	3	9,5	6,5	20	10	9			3,47
1841	68,76	70,15	96	46	50	1,5		,5	3	7	3	8	7	19,5	10,5	9			2,60
1842	55,91	63,59	86	34	52		,5	2	1,5	12	3,5	3	7,5	16,5	13,5	13			3,30
1843	55,22	67,01	92	36	56		,5		2,5	4,5	2,5	12,5	7,5	17,5	12,5	13			3,09
1844	57,59	66,13	87	39	48	1	,5	,5	1	8	3,5	11	4,5	19,5	10,5	7			2,60
Mean.	64,28	66,71				1,09	,37	1,50	2,06	7,22	2,69	7,91	7,16	18,06	11,94				3,69
Total.						17,5	6	24	33	115,5	43	126,5	114,5	289	191				59,17

JULY.																			
1826	74,13	69,30	99	52	47	2,5				6,5	2,5	11	8,5	24	7	1,5			1,22
1827	77,58	72,98	95	50	45	2			2	11,5	3	9	3,5	25	6	2			1,81
1828	65,69	70,98	88	51	37				1,5	5	2	9	13,5	7	24	20			10,23
1829	65,48	68,84	87	45	42	1,5	,5	1,5	3,5	5,5	2,5	5,5	10,5	18,5	12,5	7			5,00
1832	69,36	68,76	93	53	40	3			4	7	2	4	11	18	13	5			2,86
1833	66,98	68,01	92	50	42	,5	1	,5	4	1,5	3	14	6,5	19,5	11,5	7			3,48
1835	68,11	71,37	84	51	33	1,5	1		2,5	4,5	3	8	10,5	19,5	11,5	5			2,71
1836	72,11	68,43	89	52	37	2	,5	1,5	2,5	8	3	5,5	8	26	5	7			1,10
1837	65,05	66,01	88	50	38	1	,5	,5	1,5	7,5	1,5	9,5	9	20	11	10			4,29
1838	72,39	71,11	95	47	48	1,5	1	,5	1	4	7,5	7,5	8	16,5	14,5	11			2,64
1839	66,23	73,22	91	54	37		1,5		,5	5	8	8,5	7,5	20,5	10,5	12			3,05
1840	70,01	71,25	94	46	48	1,5	1	1,5	3,5	8,5	1,5	6	7,5	22	9	7			3,82
1841	65,64	70,88	97	50	47	1,5		,5	2,5	5,5	3,5	10	7,5	21,5	9,5	7			3,13
1842	63,86	67,68	88	45	43	1	1		1	9,5	4	7,5	7	22,5	8,5	8			5,13
1843	64,21	66,58	94	42	52	1		,5		6,5	2,5	12	8,5	24	7	6			2,10
1844	65,68	67,12	86	43	43	,5	1,5	1	,5	7	2,5	10,5	7,5	21	10	9			2,06
Mean.	68,28	69,53				1,31	,59	,50	1,91	6,44	3,25	8,59	8,41	20,34	10,66				3,41
Total.						21	9,5	8	30,5	103	52	137,5	134,5	325,5	170,5				54,63

OBSERVATIONS AT ONONDAGA ACADEMY.

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	72,43	78,96	94	44	50	5	5,5			9		5	6,5	29,5	1,5	,5			,34
1827	75,49	65,46	92	53	39					13,5	3,5	12		21,5	9,5	2			1,75
1828	72,59	74,46	93	54	39	2		1	1,5	13	1	10	2,5	22,5	8,5	10			6,65
1829	70,79	66,64	89	44	45	2	,5			13	,5	9	6	25	6	2			2,30
1832	72,86	67,11	95	44	51	5	1,5		7	11		,5	6	21	10	6,5			6,28
1833	68,51	65,40	90	45	45	1		,5	4	3,5	3	8	11	20,5	10,5	4,5			1,55
1835	67,23	64,78	87	42	45	2,5	1		4	2,5	4	8,5	8,5	18,5	12,5	6,5			5,69
1836	64,28	62,69	82	42	40	2	1	1	2	10	,5	5	9,5	22	9	6			1,98
1837	67,64	62,21	88	40	48	1		,5	1	11	1,5	7,5	8,5	14,5	16,5	10			4,41
1838	68,87	67,20	90	48	42	,5		1	,5	8,5	2	6	12,5	22	9	9			4,47
1839	64,91	66,95	90	40	50	,5	4,5	1,5	1	8	1	7,5	7	23,5	7,5	7			3,11
1840	65,76	72,32	91	50	41	4	,5	,5	4	8,5	1,5	8	4	20	11	11			4,31
1841	72,92	69,76	94	44	50	4,5	2,5	1,5	2	9	,5	2	9	22,5	8,5	5			1,00
1842	63,95	65,77	81	46	35	2	1	5,5	1	9	2	5	5,5	17	14	8			2,54
1843	66,33	66,49	87	48	39	3,5	2	2,5	1	8,5	1,5	3,5	8,5	19,5	11,5	11			1,90
1844	65,47	62,40	87	48	39	,5	,5	,5	,5	10,5	1,5	13,5	3,5	17,5	13,5	15			2,77
Mean.	68,75	67,41				2,25	1,28	1,00	1,84	9,28	1,50	6,94	6,91	21,06	9,94				3,19
Total.						36	20,5	16	29,5	148,5	24	111	110,5	337	159				51,05

SEPTEMBER.																			
1826	75,73	65,18	93	32	61	4,5	1,5			17	,5	3,5	3	23,5	6,5	1			1,99
1827	64,72	52,95	84	33	51	4	1,5	,5	,5	7	1,5	6,5	8,5	17	13	2			1,58
1828	68,97	59,12	89	40	49					12,5		12,5	5	14,5	15,5	9			3,63
1829	57,39	54,26	86	30	56	2				9	2	8,5	8,5	16,5	13,5	4			2,48
1832	57,86	60,24	88	40	48	2,5			3,5	15	2,5	1,5	5	19	11	3			2,16
1833	59,38	60,62	88	33	55	,5			,5	7	3	6	13	20,5	9,5	3			3,20
1835	59,28	52,99	80	32	48	1			5,5	5	6	8	4,5	18,5	11,5	4		,5	1,96
1836	60,63	59,96	85	31	54	1	,5	,5	2	8,5	5	6,5	6	14	16	10			3,25
1837	59,35	58,07	82	32	50		,5	,5	4,5	14,5	1	2,5	6,5	19	11	5			2,36
1838	62,41	59,66	84	37	47	1	2,5	4,5	1	5,5	3	6,5	6	21,5	8,5	3			2,17
1839	62,88	56,35	85	35	50	,5		1,5	6	5,5	2	10,5	4	16,5	13,5	8			1,80
1840	60,34	56,02	84	34	50	2		,5	4	6,5	3	8	6	19	11	10			4,03
1841	64,13	58,73	88	30	58	,5	1,5	1	5	7,5	2	5	7,5	20	10	7			1,88
1842	60,35	50,09	87	32	45	1,5		1,5	1,5	5,5	2	10	8	15,5	14,5	15			5,11
1843	60,48	59,16	87	32	55	4,5		1,5	1,5	9,5	4	5	4	19,5	10,5	8			5,06
1844	63,46	53,15	84	32	52		,5	,5	4	6	1	6	12	23,5	6,5	5			1,82
Mean	62,34	57,28				1,59	,53	,78	2,47	8,84	2,41	6,66	6,72	18,62	11,38				2,67
Total.						25,5	8,5	12,5	39,5	141,5	38,5	106,5	107,5	298	182				44,48

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	67,91	48,90	80	27	53	3,5				13,5		6,5	7,5	21	10	2,5			2,91
1827	50,04	43,79	70	30	40	1,5	3	2	3	6,5	1	4	10	11,5	19,5	4			4,97
1828	56,08	36,72	73	30	43					13	5	8	5	7,5	23,5	6		1	3,15
1829	51,15	52,77	73	22	51	1,5			4	12	1	6	6,5	16,5	14,5	3			2,13
1832	51,86	47,52	78	26	52	1	2		3	15,5	1,5	,5	7,5	18,5	12,5	6			2,22
1833	55,74	41,48	76	28	48			2,5	3,5	6	3	11	5	12,5	18,5	4	1		1,84
1835	48,92	59,01	77	30	47	2		1	4	12	2	7	3	15	16	5,5			3,27
1836	44,38	38,83	67	16	51	2,5	1,5		2,5	6	2,5	9	7	13	18	7	1	1	3,57
1837	45,12	46,66	80	17	63	3	2		4,5	5,5	,5	8	7,5	18,5	12,5	8			4,25
1838	51,66	41,69	76	26	50				4,5	6,5	6	9	5	9	22	7	2	1	4,43
1839	54,54	53,39	81	16	65	1,5		1	3	11,5	1	6	7	19,5	11,5	2			,92
1840	54,37	44,14	76	28	48	1	1,5	,5	3	9	1,5	9,5	5	13,5	17,5	9	1	1	3,23
1841	46,05	39,86	70	20	50	3,5		1	5	4	1,5	10	6	11,5	19,5	8	1		1,32
1842	49,25	43,16	70	27	43	,5		1,5	,5	10,5	1,5	14	2,5	17	14	10			3,87
1843	48,03	41,04	67	23	44	2		1,5		10,5	,5	12,5	4	9	22	15	1	1	5,19
1844	46,73	42,09	67	24	43		1		2,5	9	2,5	9,5	6,5	13,5	17,5	10	2	1	5,38
Mean.	51,36	45,07				1,47	,69	,69	2,69	9,44	1,93	8,16	5,93	14,19	16,81				3,29
Total.						23,5	11	11	43	151	31	130,5	95	227	269				52,65
NOVEMBER.																			
1826	42,89	37,40	69	25	44	3,5				11	4,5	4	7	11	19	1,5	2		1,20
1827	35,45	29,43	46	16	30	2				7,5	1	14,5	5	5,5	24,5	2	1		3,46
1828	34,91	35,34	47	19	28					14	4	8,5	3,5	,5	29,5	8			2,49
1829	38,69	35,32	52	20	32			,5	3	10	1	9	6,5	8	22	2			2,01
1832	42,50	41,12	68	18	50	6,5	1,5		,5	14	2		5,5	7,5	22,5	5	1,5		2,79
1833	44,63	32,88	68	15	53	,5	,5	1	2,5	7,5	3,5	7,5	7	16,5	13,5	1,5	2,5	,5	1,38
1835	46,14	34,29	66	10	56	1,5	1,5	1	3,5	8	2,5	9,5	2,5	10,5	19,5	2,5	3	,5	2,31
1836	38,96	34,12	61	12	45	1			2,5	8,5	2,5	12	3,5	7	23	4	7		1,97
1837	39,55	42,37	70	20	50	1			2,5	9	1,5	8,5	7,5	7,5	22,5	2	3	1	2,62
1838	40,19	27,21	55	5	50	1,5	1		4	6,5	3,5	10	3,5	8,5	21,5	6	7	1	2,65
1839	37,98	32,00	56	9	47	3		2,5	3	7	1,5	8,5	4,5	6,5	23,5	5	5	4	2,97
1840	43,26	34,54	66	26	40	1	,5	2	,5	4,5	1,5	11	9	13	17	6	3	1	1,81
1841	38,77	29,61	70	16	54	2	,5	2,5	2,5	5,5	1	11	5	4	26	6	8	2	4,10
1842	37,95	26,46	55	2	53	,5	1	3,5	2,5	6,5	5	8,5	2,5	11	19	7	3	1	3,94
1843	30,62	34,96	54	18	36	2		,5	1	7	4,5	11,5	3,5	5,5	24,5	6	7	1	2,72
1844	39,48	30,45	56	10	46			2	4,5	9		8	6,5	9,5	20,5	1	2		1,27
Mean.	39,50	33,59				1,62	,41	,97	2,03	8,47	2,47	8,88	5,15	8,25	21,75				2,48
Total.						26	6,5	15,5	32,5	135,5	39,5	142	82,5	132	348				39,69

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1826	25.75	26.27	36.5	42.34	65.55	68.73	71.71	75.69	70.45	58.40	40.14	26.88	50.71	99	-22	121	78	February 1,	July 12,	September 17,	November 22.
1827	14.12	25.25	37.61	52.66	60.35	70.94	75.29	70.47	55.83	46.90	32.44	31.42	48.27	95	-10	105	71	January 20,	July 12,	September 28,	
1828	33.50	38.39	42.24	44.64	60.47	72.40	68.33	73.52	63.04	46.40	35.12	32.79	50.90	99	-15	114	75	January 24,	June 27,	October 16,	October 15.
1829	32.82	22.80	31.60	49.69	63.98	65.73	67.16	68.21	55.82	61.96	37.00	36.97	47.81	91	-8	99	61	February 5,	May 24,	September 19,	December 8.
1832	24.91	24.35	35.36	44.59	47.68	66.69	66.69	98.59	05.50	49.41	31.83	04.50	21.95	-18	108	68		January 26,	August 13,		November 7.
1833	31.28	24.52	38.62	50.98	60.11	61.05	67.49	66.95	60.00	48.61	38.75	30.87	47.81	92	-5	97	70	January 19,	July 21,	September 28,	October 28.
1835	25.69	22.12	33.72	45.63	57.91	66.40	69.74	66.00	56.14	53.96	40.21	24.61	46.84	89	-18	107	67	December 16,	August 13,	October 12,	November 12.
1836	26.15	19.79	28.39	42.81	59.30	65.13	70.27	63.48	60.29	41.60	36.54	28.23	45.16	89	-18	107	68	February 18,	July 6,	September 6,	September 28.
1837	20.18	25.73	31.18	40.79	54.55	64.98	65.53	64.92	58.71	45.89	40.96	29.54	45.24	88	-16	104	68	January 14,	August 2,	September 14,	November 7.
1838	32.41	17.18	36.37	38.32	58.61	63.37	71.75	63.04	61.03	46.67	33.70	25.31	46.06	95	-10	105	79	January 31,	July 9,	September 16,	October 29.
1839	24.71	25.43	34.00	49.92	54.00	59.68	69.72	65.93	59.61	53.97	34.99	28.54	46.96	91	-10	101	65	January 23,	July 30,	September 28,	September 27.
1840	19.46	33.66	35.70	48.15	59.14	63.64	70.63	69.04	68.18	49.25	38.90	25.31	47.63	94	-12	112	67	January 16,	July 12,	October 17,	October 25.
1841	29.80	25.53	31.23	42.61	57.08	69.45	68.26	71.34	61.43	42.95	34.19	29.30	46.99	97	-14	111	79	December 21,	July 24,	October 2,	October 25.
1842	27.52	30.03	37.55	45.57	52.95	59.75	65.77	64.56	55.22	46.20	32.20	24.74	45.19	88	-8	96	68	January 23,	July 19,	September 25,	November 10.
1843	30.39	17.41	22.76	43.71	53.10	61.11	65.89	66.41	59.82	44.55	32.79	29.62	44.00	94	-9	103	65	February 17,	July 25,	September 12,	October 24.
1844	16.32	26.18	33.03	51.15	56.65	61.86	66.40	63.94	58.31	44.41	34.96	28.78	45.17	87	-12	99	80	January 27,	July 9,	October 23,	October 29.
Mean.	25.28	25.66	33.81	45.96	58.01	65.49	68.90	68.05	59.75	48.26	36.54	29.12	47.18								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Percent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1826	42	7.5	1.5	1	154	20	81.5	56.5	S 57° 30' W	42	151.80	219	146	24	16	
1827	21	8.5	6	10	122	32	108	57.5	S 61° 05' W	48	173.91	202	163	37	16	
1828	4	3.5	10	12	140.5	18	123	55	S 53° 28' W	53	195.35	150	216	96	8	1
1829	9.5	2	9.5	19	118	13.5	131	62.5	S 61° 51' W	49	182.08	185	180	34	9	2
1832	66.5	22	3	43	119	15	15.5	83	S 60° 35' W	11	41.13	180	186	44	13.5	5
1833	11.5	8.5	17	34.5	67	28.5	107	91	S 75° 40' W	39	142.78	186	179	39.5	20	1
1835	14	16	10	40	64.5	38	94	88.5	S 76° 39' W	38	137.57	167.5	197.5	48	23.5	8
1836	14.5	11.5	24	35.5	81.5	26	93	80	S 67° 32' W	33	119.85	175	191	69	50	6
1837	14	8	7.5	31	89	22.5	97	96	S 74° 55' W	42	151.00	157	208	78	36	5
1838	10	11	14.5	26.5	74.5	50	90	88.5	S 71° 49' W	42	154.56	148.5	216.5	71	44	3
1839	12	11.5	19.5	33.5	77.5	31	94.5	85.5	S 84° 19' W	34	126.36	175.5	189.5	68	33	6
1840	19	9.5	11.5	34.5	84	25.5	101	81	S 72° 00' W	38	140.58	173	193	81	28	6
1841	20	7.5	20.5	40	75	22	97	83	S 73° 26' W	32	122.20	162	203	71	41	5
1842	11	5.5	30	14.5	98	34.5	107	64.5	S 61° 30' W	42	151.30	165.5	199.5	90	39	5
1843	16	7	22	21	83	26.5	120.5	69	S 72° 14' W	42	153.60	154.5	210.5	78	51	5
1844	9.5	7.5	21	22.5	89.5	21.5	112	82.5	S 71° 40' W	41	150.98	170	196	82	33	3
Mean.	18.34	9.19	14.22	26.16	96.06	26.53	98.25	76.50	S 62° 42' W	23	85.05	178.16	192.15			
Total.	293.5	147	227.5	418.5	1537	424.5	1572	1224				2770.5	2074.5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1826	4.23	2.23	3.16	2.13	1.50	4.75	1.22	.34	1.99	2.91	1.20	1.96	26.67	August.	June.
1827	7.86	2.69	2.32	2.05	1.77	4.20	1.31	1.75	1.53	2.97	3.46	3.63	33.09	September.	January.
1828	1.55	1.42	1.10	1.25	1.54	1.97	10.23	6.65	3.83	3.15	2.49	1.31	35.79	May.	July.
1829	3.26	.51	.39	1.94	1.39	4.46	5.00	2.30	2.43	2.13	2.01	1.14	27.01	March.	July.
1832	1.22	1.44	.54	.95	1.86	3.03	2.36	6.23	2.16	2.22	2.79	2.90	23.20	March.	August.
1833	1.03	1.43	2.23	2.03	4.73	2.05	3.43	1.55	3.20	1.34	1.33	1.69	26.79	January.	May.
1835	.93	1.43	1.31	4.23	1.07	6.53	2.71	5.69	1.96	3.27	2.31	.94	32.43	January.	June.
1836	6.29	2.07	.53	1.43	6.73	4.51	1.10	1.93	3.25	3.57	1.97	.37	34.35	March.	May.
1837	1.30	2.18	2.01	1.03	2.27	4.99	4.29	4.41	2.36	4.25	2.62	1.14	32.35	April.	June.
1838	.71	.77	.61	1.50	5.57	3.75	2.64	4.47	2.17	4.43	2.65	.84	30.35	March.	May.
1839	2.93	1.25	1.53	2.26	4.31	3.32	3.05	3.11	1.30	.92	2.97	4.02	32.53	October.	May.
1840	1.95	1.24	2.71	3.54	2.35	3.47	3.32	4.31	4.03	3.23	1.31	2.59	35.05	February.	August.
1841	2.29	.49	2.42	2.71	2.01	2.60	3.13	1.00	1.33	1.32	4.10	2.49	26.44	February.	November.
1842	1.04	1.30	1.37	1.76	1.65	3.30	5.13	2.54	5.11	3.37	3.94	2.59	34.60	January.	July.
1843	2.40	2.37	4.24	1.73	1.73	3.09	2.10	1.90	5.06	5.19	2.72	1.33	34.41	May.	October.
1844	1.35	.43	1.70	1.56	5.03	2.60	2.06	2.77	1.32	5.33	1.27	.30	26.32	February.	October.
Mean.	2.52	1.43	1.79	2.02	2.77	3.69	3.41	3.19	2.67	3.29	2.43	1.95	31.59		
Total.	40.39	23.70	23.72	32.30	44.36	59.17	54.63	51.05	44.43	52.65	39.69	31.24	502.33		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1826	10	31	25	1	23	18	18	11	15	29	9	13	10	19	22	7	3	17	10	27	16	28	8	28
1827	26	17	24	11	26	3	5	16	27	6	13	2	14	3	26	23	14	29	9	26	1	22	13	22
1828	5	21	7	12	29	4	30	6	19	27	27	9	23	10	10	18	10	16	8	24	7	9	5	31
1829	15	3	7	4	30	6	29	6	24	12	6	29	14	12	9	2	1	27	23	21	2	11	7	17
1832	18	26	2	24	25	19	13	5	14	1	15	4	6	14	13	26	16	9	20	28	1	15	8	21
1833	4	11	18	24	21	2	29	14	18	3	30	3	21	16	2	29	4	13	16	30	8	20	31	14
1835	30	7	22	3	26	3	11	14	28	8	10	21	13	8	13	31	5	30	18	7	4	29	26	16
1836	13	28	23	18	28	10	26	10	16	13	10	15	8	26	28	9	19	28	1	25	11	25	9	27
1837	30	14	15	13	7	3	29	4	31	1	30	17	18	3	2	24	10	14	23	29	20	25	2	22
1838	4	31	8	14	23	1	25	16	21	8	11	1	9	12	6	26	22	3	2	31	4	25	11	30
1839	11	23	24	9	28	3	23	21	24	4	8	2	30	4	24	30	22	30	27	20	14	21	7	21
1840	30	16	19	4	4	10	25	7	17	5	28	7	12	2	21	7	9	21	9	26	3	27	9	25
1841	7	3	27	11	26	17	25	10	30	3	20	3	24	3	18	24	3	30	31	25	1	28	14	21
1842	29	5	3	17	4	12	22	1	18	9	30	11	19	31	17	1	1	23	1	27	1	29	3	23
1843	1	21	26	17	28	7	26	2	14	2	27	1	28	3	31	1	3	27	1	31	24	27	16	13
1844	16	27	20	9	31	23	1	25	21	18	11	9	4	16	26	20	20	29	2	30	10	27	7	28

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1826	58	-12	56	-22	67	9	82	10	94	39	90	44	99	52	94	44	93	32	80	27	69	25	69	-8
1827	42	-10	56	-7	74	3	79	26	86	38	93	45	95	50	92	53	84	33	70	30	46	16	58	-4
1828	60	-15	59	10	80	10	80	23	81	43	99	50	88	51	93	54	89	40	73	30	47	19	60	10
1829	47	-6	42	-8	60	2	79	32	91	40	91	45	87	45	89	44	86	30	73	22	52	20	65	4
1832	52	-12	55	-13	69	3	75	18	90	28	90	49	93	52	95	44	88	40	78	26	68	18	48	12
1833	64	-5	50	-2	70	0	90	20	86	26	88	39	92	50	90	45	88	33	76	28	68	15	48	4
1835	49	-18	53	-6	58	-5	76	20	84	36	89	48	84	51	87	42	80	32	77	30	66	10	46	-8
1836	45	-1	50	-18	58	2	78	19	86	31	85	46	89	52	82	42	85	31	67	16	61	16	54	-4
1837	47	-16	50	-5	60	-8	78	19	86	23	86	48	88	50	88	40	82	32	80	17	70	20	55	0
1838	62	-5	47	0	69	-10	64	18	88	30	92	49	95	47	90	48	84	37	76	26	54	5	44	4
1839	52	-10	50	-10	60	4	80	23	83	30	84	38	91	54	90	40	85	35	81	16	56	9	47	4
1840	52	-13	60	-3	64	4	86	19	89	31	88	40	94	46	91	50	84	34	76	28	66	26	45	-18
1841	56	-2	50	5	73	-6	80	20	92	30	96	46	97	50	94	44	88	38	70	20	70	16	47	-14
1842	52	-8	60	4	70	8	86	18	83	34	86	34	88	45	81	46	81	32	70	27	55	2	44	8
1843	60	-5	39	-5	49	-9	74	14	88	29	92	36	94	42	87	48	87	32	67	23	54	18	41	0
1844	40	-12	50	-8	52	7	80	0	87	28	87	39	86	43	87	48	84	32	67	24	56	10	56	10
Highest.	62		60		80		90		94		99		99		95		93		81		70		69	
Lowest.		-18		-22	-10		0		23		34		42		40		30		16		2		-18	
Range.		80		82	90		90		71		65		57		55		63		65		68		87	

SUMMARY OF OBSERVATIONS AT OXFORD ACADEMY,

OXFORD, CHENANGO COUNTY, N. Y., DURING SEVENTEEN YEARS.

Latitude N. 42° 28'; Longitude W. 75° 32'. Elevation above tide 961 feet. In the valley of the Chenango river.

OBSERVERS.

1829, '30, '31, WILLIAM D. BEATTIE, Principal.
1832, M. G. and S. McKoon, Principals.
1833, M. G. McKoon, Principal, and SAMUEL McKoon.
1834 to 1841, inclusive, MERRITT G. MCKOON, Principal.

1842, MERRITT G. MCKOON, Principal, and WILLIAM H. HYDE, Student.
1843, '44, '45, WILLIAM H. HYDE, Teacher.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	20,98	24,76	46	—15	61		5		,5	1	8,5	15,5	,5	9,5	21,5	3	8	1	3,71
1830	26,08	13,25	46	—15	61	2	,5			2	13,5	5,5	7,5	12	19	1	7	,5	2,07
1831	25,24	14,49	55	—13	68	2	5,5			2	4	4	13,5	11	20	1	6,5		2,71
1832			54	—30	84		3		1,5	4	12,5	6,5	3,5	10,5	20,5	,5	7,5		2,30
1833	28,06	23,33	64	—9	73	3	,5		1	5,5	11	4,5	5,5	11	20	2	6,5		1,85
1834	17,98	20,34	45	—14	59	3,5	,5			6	9	8,5	3,5	14,5	16,5	2	5,5		,92
1835	10,76	32,92	51	—35	86	9,5	1			3,5	7,5	8	1,5	15,5	15,5	4,5	3,5	1	2,35
1836	27,74	14,28	40	—36	76		4	1		3,5	3,5	14,5	4,5	5	26	,5	12	1,5	5,11
1837	14,32	19,22	52	—18	70	5,5	1			3	3,5	9	9	6,5	24,5		14,5		2,39
1838	31,76	25,02	53	—24	77	3,5	1,5			5,5	7	10	3,5	11	20	2,5	4	2	1,64
1839	27,67	16,60	50	—24	74	2	3,5			5,5	5,5	3,5	11	8,5	22,5	1	9,5	2	4,97
1840	15,60	18,95	47	—31	78	7	1			2,5	3,5	13	4	10	21	2,5	8,5	1	2,37
1841	24,52	27,67	52	—30	82	2,5	3	,5	,5	8	5	8	3,5	7	24	3,5	11	2	3,78
1842	23,15	27,87	52	—12	64	1				9,5	5,5	6	9	9	22	2,5	10,5	1	1,80
1843	27,98	29,76	59	—4	63	2	3		1	4	9	4	8	11	20	6	9	5	2,50
1844	19,64	10,92	36	—16	52	1	4,5			2	5	1	17,5	8	23	4	15	5	1,81
1845	26,62	24,44	50		0 50		3		1	2,5	8,5	3	13	10,5	20,5	5	12	3	2,57
Mean.	23,00	21,49				2,61	2,38	,09	,32	4,12	7,18	7,32	6,98	10,03	20,97				2,64
Total.						44,5	40,5	1,5	5,5	70	122	124,5	118,5	170,5	356,5				44,85

FEBRUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1829	19,66	18,20	48	-15	63	2	3,5			1,5	9,5	11	,5	14	14	1	5	1	2,46
1830	14,87	31,93	56	-11	67	1,5	,5	1,5	,5	1,5	8	9	5,5	16	12		3,5	1	,73
1831	13,10	23,51	49	-16	65	1,5	1			,5	7	10,5	7,5	16,5	11,5	1	2	,5	1,67
1832			55	-20	75		1		1,5	3,5	11	10	2	8,5	20,5	2,5	8,5		5,81
1833	19,21	22,86	42	-18	60	3,5	,5			2,5	5,5	10,5	5,5	11,5	16,5	,5	7,5	,5	1,65
1834	27,77	36,38	58	-	866	2,5	2,5			10,5	3,5	6,5	2,5	13,5	14,5	3	1,5	,5	1,29
1835	11,74	26,49	51	-13	64	3,5	2	,5		5,5	5,5	8,5	2,5	7,5	20,5	1,5	8	,5	1,68
1836	11,31	19,38	55	-33	88	4,5	,5	,5		4,5	4	9,5	5,5	7,5	21,5	2,5	11	,5	2,48
1837	21,77	23,77	48	-18	66	1,5	1		,5	3	3,5	11,5	7	7	21	1	7,5	2	1,74
1838	15,65	8,88	39	-15	54	3,5	2			1,5	2	8	11	8	20		15,5		1,05
1839	16,63	32,33	50	-23	73	1	1,5	,5		3,5	6	11,5	4	7,5	20,5	4	8,5	,5	1,23
1840	26,31	39,38	60	-	868	3				7	4,5	5,5	9	10	19	6,5	2,5	1	3,09
1841	18,65	27,70	46	-18	64	4,5	1			2,5	5	12	3	11,5	16,5		9,5		,49
1842	32,49	25,68	58	-	355	1,5	1,5			8	3,5	7	6,5	8,5	19,5	4	8	1,5	4,31
1843	15,51	13,72	36	-26	62		3			1	6	3,5	14,5	6	22	,5	16,5	,5	2,61
1844	21,04	26,84	45	-	853	1	6		,5	,5	8,5	2	10,5	10,5	18,5	2	16		,21
1845	13,49	35,41	59	-	665		4		1	2	7,5	2,5	11	10	18	4	10	2	1,22
Mean.	18,70	25,78				2,06	1,85	,18	,23	3,47	5,91	8,18	6,36	10,23	18,00				1,98
Total.						35	31,5	3	4	59	100,5	139	108	174	306				33,72
MARCH.																			
1829	29,84	29,30	63	-	467	3	3	,5	,5	,5	7,5	13,5	2,5	14,5	16,5	2	4	1	2,42
1830	29,34	39,26	74	-	478	4	2,5	1		6,5	5	10,5	1,5	13	18	5,5	4	1	3,93
1831	36,46	40,04	67	-	1057	2,5		,5	1	4,5	9	7	6,5	11	20	3,5	1,5	1	1,21
1832			65	-14	79				5	5,5	10,5	7	3	12,5	18,5	1,5	5		1,04
1833	21,71	36,44	60	-	363	3,5	2		,5	6,5	6	8	4,5	16	15	2	5		,80
1834	33,77	35,73	64	-	658	1,5		2,5	,5	7,5	6	8,5	4,5	15,5	15,5	2,5	6		,96
1835	27,43	34,65	57	-11	68	5	3	,5		3,5	5	9,5	4,5	12	19	1	4,5	1,5	1,93
1836	20,11	31,36	59	-10	69	1,5				3	6	12,5	8	13,5	17,5	2	6,5	1	,54
1837	25,48	36,25	62	-19	81	4	3		,5	7,5	3	4,5	8,5	13	18	5,5	4	1,5	3,30
1838	29,86	36,35	59	-14	73	4	4	1,5	,5	1,5	5	7	7,5	13,5	17,5	1	6	2	1,14
1839	25,99	36,33	69	-	271	5,5	2		,5	3	5,5	7	7,5	14,5	16,5	4,5	3,5	1,5	1,74
1840	34,52	35,39	65	-	469	3,5	1,5			6,5	5,5	5,5	8,5	8,5	22,5	6	8,5	1,5	2,80
1841	26,00	33,54	62	-10	72	10	3,5			2	3,5	7	5	13,5	17,5	2	8	2	3,86
1842	36,86	37,23	68	-	860		2,5		1	3,5	13	10	1	8,5	22,5	6	6,5	2	3,90
1843	17,31	22,03	49	-18	67	1	5		2	1,5	4	5,5	12	9	22	,5	14	1,5	4,01
1844	34,44	30,19	53	-	845	,5	6		2	2,5	7	,5	12,5	12,5	18,5	7	7	2	1,82
1845	35,53	35,27	71	-	467		3			3	9,5	1,5	14	12,5	18,5	8	12	2	2,87
Mean.	29,04	34,33				2,91	2,41	,38	,83	4,03	6,53	7,35	6,56	12,56	18,44				2,25
Total.						49,5	41	6,5	14	68,5	111	125	111,5	213,5	313,5				38,27

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	39,95	47,67	75	26	49	4,5	3,5			4	5,5	10,5	2	12,5	17,5	9		1	5,07
1830	45,09	54,60	84	27	57	6,5	6,5	3	1	1,5	8	2	1,5	18,5	11,5	5,5		1	1,56
1831	46,28	49,43	75	27	48	3	2	2,5	2	4,5	2	9,5	4,5	15	15	5,5	1,5	,5	1,93
1832			84	10	74	6,5	1	,5	2,5	,5	9,5	4	5,5	16,5	13,5	5	,5		1,71
1833	46,04	49,92	82	22	60	2,5				6	9	8	4,5	19	11	3	,5		,33
1834	48,72	46,03	81	19	62	3,5	6,5	1,5		3	3	4,5	8	15,5	14,5	5	1	1,5	1,57
1835	45,68	39,91	78	9	69	,5	4,5	1	,5	7	2,5	10,5	3,5	11,5	18,5	5,5	4	3	5,27
1836	35,44	47,39	74	9	65	4,5	,5			7	7,5	6	4,5	12,5	17,5	6	3,5	1	2,14
1837	38,91	39,66	70	20	50	2,5	2,5			2	6	11	6	11	19	2	3,5	3,5	,77
1838	37,37	37,80	66	13	53	5	1		,5	3,5	3,5	6,5	10	10,5	19,5	3,5	6	1,5	1,68
1839	48,03	47,14	78	18	60	4,5	4,5			3,5	4,5	5	8	17	13	8	,5		3,05
1840	41,77	53,85	84	20	64	5,5	,5			9	4,5	6	4,5	17	13	6,5	1,5	,5	4,40
1841	35,65	46,44	74	21	53	5,5	3,5		1	7,5	2,5	5	5	10,5	19,5	9,5	3,5	1,5	4,23
1842	43,54	48,69	81	15	66		8	,5	2	2,5	7,5	8	1,5	15,5	14,5	10	1		2,97
1843	36,44	48,83	74	10	64	1	7,5	,5	1	4	3	3,5	9,5	12,5	17,5	6	2,5	1	4,52
1844	51,38	51,73	80	11	69		3,5		1,5	2,5	11,5	1,5	9,5	20	10	10			1,33
1845	36,66	51,34	76	18	58		2,5		2,5	3,5	7	,5	14	13	17	13	5	1	2,77
Mean.	42,31	47,53				3,26	3,41	,55	,85	4,20	5,70	6,00	6,03	14,59	15,41				2,66
Total.						55,5	58	9,5	14,5	71,5	97	102	102,5	248	262				45,30
MAY.																			
1829	50,84	66,46	89	31	58	4	3,5	1,5		1,5	8,5	8	4	23	8	6			1,99
1830	55,94	53,25	81	34	47	7,5	2	1		1,5	9,5	5,5	4	20	11	5,5			3,43
1831	53,03	67,81	94	26	68	3,5	2,5	1,5	,5	6	5	9	3	15	16	4	1		1,23
1832			86	28	58	6	1,5	1	2,5	4,5	3,5	6,5	5,5	19,5	11,5	3		1	1,92
1833	57,36	59,57	82	31	51	3	5	1	1	10,5	4,5	4	2	15,5	15,5	6,5			6,15
1834	45,67	62,44	87	24	63	2	2	,5	1	5	8,5	5,5	6,5	14,5	16,5	8,5	1	1	3,27
1835	49,61	60,89	84	25	59	5,5	2,5	,5	,5	2,5	3	8	8,5	18,5	12,5	6,5			2,14
1836	56,23	60,34	86	25	61	4,5	4,5			6,5	9	2,5	4	14,5	16,5	10			3,70
1837	51,63	54,13	83	20	63	4	3		,5	7,5	4,5	7,5	4	11,5	19,5	9,5	,5		5,23
1838	46,40	55,25	86	22	64	5,5	3			3	4,5	10,5	4,5	9	22	12			6,15
1839	52,96	62,22	82	26	56	4	2			5,5	3	6,5	10	12	19	13	,5		4,96
1840	49,31	64,72	90	30	60	7,5	2	1	1,5	3,5	1,5	7	7	17,5	13,5	8,5	,5	1,5	4,66
1841	44,33	61,19	87	24	63	9	,5			7	2,5	7,5	4,5	16	15	8,5	1,5	,5	2,02
1842	47,92	54,82	78	28	50	,5	4,5		,5	5	5,5	12,5	2,5	17,5	13,5	7		1	1,49
1843	54,96	52,46	83	31	52	1	6	,5		3	6,5	2	12	19	12	6		1	1,04
1844	55,22	57,37	84	28	56		3			3	12	3	10	16	15	19			6,18
1845	53,25	49,69	86	28	58	,5	3,5				11,5	,5	15	19	12	12	1		2,44
Mean.	51,54	58,91				4,00	3,00	,50	,47	4,44	6,06	6,24	6,29	16,35	14,65				3,41
Total.						68	51	8,5	8	75,5	103	106	107	278	249				58,00

JUNE.																				
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1829	67,00	61,42	98	41	57	1	2,5	1	1	2,5	10,5	2,5	9	19,5	10,5	2			3,00	
1830	62,71	63,56	89	48	41	8				1	9	9	3	12,5	17,5	10,5			5,04	
1831	71,94	67,90	91	48	43	3,5	3,5	3	2,5	4	2,5	7,5	3,5	18	12	8			4,37	
1832			92	40	52	4	1	,5	,5	2,5	6,5	9,5	5,5	18,5	11,5	4,5			2,63	
1833	56,45	59,36	82	35	47	2	1	2	,5	5,5	6	9,5	3,5	17,5	12,5	5,5			2,47	
1834	59,03	62,74	90	32	58	3,5		,5	,5	4	5,5	7,5	8,5	14,5	15,5	11			4,73	
1835	67,81	59,60	92	40	52	2,5	1,5			7	4,5	9,5	5	13,5	16,5	9,5			5,72	
1836	64,08	63,30	87	40	47	2	7,5	5	2	4	2,5	2	5	9	21	12,5			5,84	
1837	66,27	62,73	87	43	44	3	6			5	5	8,5	2,5	11	19	13,5			4,12	
1838	64,97	69,21	94	39	55	4	1			2,5	8	8	6,5	13,5	16,5	10,5			3,72	
1839	58,83	61,71	84	42	42	4	5	,5		1	3,5	8,5	7,5	11,5	18,5	13			4,56	
1840	59,72	65,63	92	36	56	6,5			,5	2	6	8	7	16,5	13,5	10,5			4,10	
1841	66,08	68,73	90	34	56	4	,5			6	4	11,5	4	13	17	9			2,42	
1842	57,14	65,99	83	32	51	1	2,5	,5	1,5	6	10	7	1,5	16,5	13,5	11	,5		4,52	
1843	58,51	66,30	89	28	61	,5	3,5		,5	2	9,5	4	10	15,5	14,5	11	1		5,39	
1844	58,48	67,05	88	36	52		3		,5	3	11,5	2,5	9,5	19	11	15			1,63	
1845	65,64	60,22	90	38	52	,5	2,5		,5	,5	14,5		11,5	21,5	8,5	15			5,08	
Mean.	62,79	64,08				2,94	2,41	,76	,62	3,44	7,00	6,77	6,06	15,35	14,65				4,08	
Total.						50	41	13	10,5	58,5	119	115	103	261	249				69,34	
JULY.																				
1829	64,35	63,73	87	47	40	1,5	2		1	2,5	9	10	5	19,5	11,5	6			3,17	
1830	65,83	75,83	93	50	43	8	2	1	,5	3	7,5	4,5	4,5	21	10	8,5			4,50	
1831	67,53	69,64	90	47	43	1	,5		1,5	4,5	3,5	15	5	16	15	10			4,26	
1832			93	43	50	3	2			3,5	7,5	8	7	17,5	13,5	7,5			,70	
1833	64,84	65,09	88	44	44	2	1	1		7	7	8	5	19,5	11,5	6			3,66	
1834	71,11	70,73	95	40	55	5,5	3	,5		4	7	7,5	3,5	21,5	9,5	5,5			3,59	
1835	66,83	68,84	90	42	48	5	,5			4,5	10	7	4	14	17	8,5			3,46	
1836	71,93	67,14	91	47	44	9,5	1,5	,5	,5	4	4,5	7	3,5	20	11	7,5			6,96	
1837	67,34	66,06	87	45	42	2	1,5			3,5	5	9	10	11	20	10			4,68	
1838	72,36	69,70	96	46	50	4,5	,5			3	4	12,5	6,5	18	13	10			2,86	
1839	67,69	73,47	92	46	46	2,5	,5			4	9	9	6	11,5	19,5	15			5,20	
1840	67,37	69,89	93	44	49	4,5	1,5		,5	2,5	6,5	11	4,5	17	14	8,5			3,12	
1841	65,66	70,16	94	44	50	3,5	2,5		2	3,5	5	7	7,5	21	10	6			3,13	
1842	66,34	66,45	90	44	46		6		,5	2,5	13	6,5	2,5	21,5	9,5	7			4,20	
1843	64,94	65,71	93	43	50	,5	2,5			1	10,5	1	15,5	20	11	8			3,76	
1844	66,57	67,76	86	42	44	1,5	5		1	1	9	4,5	9	21,5	9,5	15			8,29	
1845	66,86	69,90	93	44	49	,5	1,5		,5	2,5	10	,5	15,5	19	12	13			3,04	
Mean.	67,66	68,76				3,23	2,00	,18	,47	3,32	7,53	7,53	6,74	17,94	13,06				4,08	
Total.						55	34	3	8	56,5	128	128	114,5	309,5	217,5				68,58	

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	69,05	64,64	93	43	50	4	1,5	,5	,5	1	12	7,5	4	24,5	6,5	3			3,84
1830	66,02	63,68	92	44	48	10	,5			,5	8	7,5	4,5	22	9	2,5			,86
1831	67,13	74,46	91	47	44	5	2	1,5		1,5	5	8,5	7,5	18,5	12,5	8,5			4,13
1832			92	30	60	4	2,5	,5		5,5	8,5	5	5	18,5	12,5	6			5,38
1833	64,09	61,32	86	42	44	7,5	,5	,5	2	5,5	5,5	5,5	4	19,5	11,5	5,5			3,48
1834	71,46	61,52	93	40	53	7,5			,5	4	4,5	7	7,5	22,5	8,5	3,5			3,43
1835	66,16	63,61	90	40	50	1	,5	1		5,5	3,5	14	4,5	18	13	6,5			5,88
1836	63,89	60,98	85	34	51	4,5	1			7	6,5	7,5	4,5	13,5	17,5	8			3,04
1837	67,92	62,37	86	40	46	5,5				3,5	11,5	7	3,5	14	17	9			3,37
1838	68,22	64,83	90	43	47	4	3,5			3	3,5	6,5	10,5	19	12	6,5			3,70
1839	65,47	66,37	84	42	42	13	1	1			9	4	3	18,5	12,5	5			2,12
1840	65,46	69,35	87	47	40	3,5	1			12	4,5	8	2	18,5	12,5	8			4,45
1841	69,46	68,43	90	42	48	8,5	2			9,5	2,5	6,5	2	17	14	10			3,90
1842	64,44	65,61	83	42	41	1,5	6,5	,5	2,5	5,5	5	5	4,5	18,5	12,5	10			4,93
1843	66,44	66,68	85	47	38	1	9			1	7	3	10	17,5	13,5	11			4,26
1844	66,79	62,48	83	46	37	,5	1,5			3	12	8	6	18	13	15			3,61
1845	66,89	67,59	86	46	40	1,5	2	1,5	5,5	3,5	6	2	9	23	8	10			1,61
Mean.	66,81	65,24				4,85	2,06	,41	,71	4,21	6,73	6,62	5,41	18,88	12,12				3,62
Total.						82,5	35	7	12	71,5	114,5	112,5	92	321	206				61,49
SEPTEMBER.																			
1829	56,18	51,58	89	29	60	1	1			2,5	9	11	5,5	14	16	6			2,69
1830	63,16	54,04	87	28	59	7,5	,5	,5		6	8	5	2,5	15,5	14,5	6,5			1,93
1831	62,89	54,13	85	31	54	11				5	3,5	6	4,5	13,5	16,5	6,5			3,75
1832			85	33	52	2	1,5			7	9	8,5	2	20	10	3,5			1,62
1833	55,24	58,93	81	34	47	4	,5			5,5	6,5	8	5,5	18,5	11,5	6			4,11
1834	60,93	57,66	87	17	70	4			1	10	5,5	6,5	3	14	16	7,5			2,03
1835	57,58	50,75	85	28	57	4,5	1			6	6,5	9,5	2,5	15	15	5	,5		1,79
1836	60,43	57,17	91	32	59	5,5				6	8,5	7	3	8,5	21,5	12,5	,5		2,93
1837	59,91	56,78	84	32	52	2	2	1	,5	8	3	6,5	7	15,5	14,5	7,5			2,55
1838	61,27	57,88	82	33	49	6	5	,5		2,5	1,5	9,5	5	19	11	5,5			3,50
1839	61,75	55,79	82	30	52	6	1	,5		4	5,5	10,5	2,5	13,5	16,5	8,5	,5		3,05
1840	59,15	53,83	82	29	53	4	1			1,5	6	10,5	7	16	14	12	,5		3,39
1841	63,99	59,37	86	35	51	9	2	1		6	2	7	3	17,5	12,5	9			2,94
1842	62,85	49,46	82	30	52	1	3,5		1	3	4,5	14,5	2,5	14,5	15,5	12	,5		6,96
1843	60,28	59,15	83	29	54	1	7,5		,5	2	9	3	7	18,5	11,5	9			4,41
1844	62,42	50,83	80	30	50	3,5	7		,5	1,5	9,5	1,5	6,5	24	6	5	1		3,21
1845	57,37	53,90	77	32	45	1				3,5	10	2	13,5	17	13	16			4,34
Mean.	60,34	55,08				4,24	2,03	,21	,21	4,70	6,32	7,44	4,85	16,15	13,85				3,25
Total.						72	34,5	3,5	3,5	80	107,5	126,5	82,5	274,5	235,5				55,20

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1829	46,91	48,36	68	19	49	1	3		,5	5,5	9,5	9,5	2	17,5	13,5	5	1		3,41
1830	49,25	46,91	71	25	46	1	3	3,5		4	13,5	4	2	18	13	5			2,21
1831	51,66	47,78	76	23	53	5,5	,5	,5	3	4	4,5	10	3	15,5	15,5	5			3,52
1832			71	15	56	7		1,5	,5	4	9,5	4,5	4	16,5	14,5	5,5			1,64
1833	49,67	38,94	68	21	47	3	1,5	,5	1	5,5	6,5	7	6	9,5	21,5	9,5	2,5		4,38
1834	49,51	39,59	71	18	53	3	1,5		,5	5	5,5	11,5	4	10,5	20,5	7	2,5	1	3,17
1835	47,81	57,55	77	31	46	2,5	,5			11	9	6	2	12	19	7,5			5,12
1836	43,13	36,57	66	15	51	5,5	3	,5	,5	5,5	4,5	7,5	4	9,5	21,5	4,5	4,5	1,5	4,35
1837	43,66	45,02	81	18	63	12	2			6	4,5	4	2,5	11,5	19,5	9,5	1		5,13
1838	49,00	38,69	74	26	48	3				5,5	4,5	9	9	10	21	10	2	2	3,65
1839	53,77	49,98	79	17	62	7	,5			10,5	5	5	3	17	14	4,5			,67
1840	51,41	41,67	77	14	63	6	1			8	5	6	5	14	17	10,5	1,5	1	4,99
1841	44,53	38,68	66	14	52	7	1			2,5	5,5	9	6	9	22	8	1,5	2,5	1,32
1842	48,13	42,26	64	26	38	,5	,5			4	9	13,5	3,5	17,5	13,5	5,5	,5	,5	2,67
1843	46,97	37,10	66	20	46		3,5	1,5	1	9,5	4	11		11,5	19,5	12,5	,5	2	4,79
1844	44,65	41,10	67	20	47	1	5,5	1,5	3,5	10	2,5	7		11,5	19,5	14	2	1	3,53
1845	52,28	40,45	69	18	51		2		,5	3,5	15,5	3	6,5	17,5	13,5	9	1		3,90
Mean.	48,27	43,23				3,82	1,74	,38	,56	5,23	7,71	6,82	4,74	13,44	17,56				3,44
Total.						65	29,5	6,5	9,5	89	131	116	80,5	228,5	298,5				58,45
NOVEMBER.																			
1829	37,55	33,17	56	4	52	1	1	,5			14,5	11	2	9	21	7	3		2,43
1830	40,99	41,26	63	31	32	2,5	7	2,5		5	1	6,5	5,5	9	21	5,5	2		4,59
1831	40,29	32,93	56	17	39	,5				5		11,5	13	4,5	25,5	4,5	2,5		,91
1832			62	10	52	1	,5	,5		6,5	8,5	9,5	3,5	11	19	4,5	3,5	,5	2,38
1833	39,71	29,48	63	8	55	3	,5			4,5	8,5	11,5	2	14	16	2	4,5	,5	2,20
1834	37,33	32,05	60	12	48	7	1,5	,5		2	5,5	6	7,5	9	21	3,5	4	1,5	1,79
1835	43,55	31,40	68	7	61	3	,5			7	7	9	3,5	7	23	4,5	3,5	,5	2,92
1836	36,85	29,35	57	14	43	3,5				5	7,5	9	5	6	24	2	7,5	,5	1,44
1837	36,97	37,62	70	12	58	4				4,5	5	9,5	7	7,5	22,5	6	4	,5	1,67
1838	37,57	24,79	54	2	52	4	1			6	5	7,5	6,5	9,5	20,5	4	7,5	1,5	3,10
1839	36,42	29,00	54	2	52	6,5	3,5			6	3	7	4	10	20	3	11	1	2,74
1840	41,12	33,47	61	22	39	6,5	2		1	4	1,5	9	6	11	19	4,5	4	2	1,40
1841	38,32	30,37	72	12	60	5,5	4			4,5	2,5	6,5	7	5,5	24,5	4,5	9,5	2,5	4,10
1842	37,35	23,93	56	2	54	,5	7		1	2,5	6,5	5,5	7	12,5	17,5	2	7,5	2,5	3,58
1843	28,64	33,17	60	8	52		2,5	1	3	8,5	3	12		6,5	23,5	5	9,5	2	2,12
1844	38,81	28,14	52	11	11	,5	1		3,5	12,5	1	11,5		10,5	19,5	10	7	2	2,07
1845	38,79	33,37	62	6	56	,5	4		1	1,5	12	3	8	10,5	19,5	7	6	2	2,20
Mean.	38,14	31,46				2,91	2,12	,24	,24	4,14	6,41	7,41	6,53	9,00	21,00				2,45
Total.						49,5	36	4	4	70,5	109	126	111	153	357				41,64

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1829	34.68	33.63	59	35.6	8	2				2.5	6	11	1.5	11	20	3	2	2	2.52
1830	33.24	29.33	57	— 3.60	2.5	2				4.5	8.5	7	6.5	4.5	26.5	4.5	4.5		2.94
1831	13.27	17.27	39	— 16.55	1	1		1	1	1	1	16	10	11.5	19.5		6.5		.94
1832			49	2.47	3.5	4.5			1.5	5.5	8.5	4.5	3	8.5	22.5	2	4.5	.5	3.87
1833	26.06	26.77	42	— 6.48	6	9	1.5		.5	2.5	5.5	4.5	1.5	8.5	22.5	.5	3		1.61
1834	28.00	23.61	46	— 8.54	10	1.5				2.5	7	7	3	6	25	1.5	9.5	1.5	2.79
1835	19.37	22.86	44	— 14.58	2.5	.5	.5			2.5	12	9	4	4.5	26.5	2.5	11.5		.90
1836	29.20	19.54	55	— 15.70	1.5				.5	4	8	4.5	12.5	9.5	21.5	2.5	7.5	1	2.67
1837	29.73	24.98	62	— 4.66	3.5	1.5				3	6	11.5	5.5	11	20	1.5	8		1.65
1838	21.66	15.31	39	— 20.59	2.5					2	10	11.5	5	7.5	23.5	.5	15.5	.5	1.03
1839	32.68	20.16	45	— 6.51	13	3.5				.5	1	3.5	9.5	7	24	2	15.5	.5	2.49
1840	24.32	20.38	47	— 10.57	4	1				4.5	5.5	11	5	6	25	2.5	12	1	2.35
1841	34.86	21.41	46	— 21.67	6.5	2.5	.5			4.5	5	10	2	5	26	6.5	10.5	1	4.27
1842	24.70	23.05	42	— 4.38	.5	6	.5	1		.5	8	10	4.5	7	24	2.5	11.5	1	3.97
1843	23.78	30.68	41	— 2.43		1		1	1.5	13	3.5	11		3.5	27.5	5	13.5	2	1.82
1844	27.77	23.60	52	— 4.56		4.5		1	2	12.5	1.5	9.5		9.5	21.5	4	12	3	1.18
1845	18.05	19.25	38	— 16.54	2	3.5			.5		15	3	7	7.5	23.5		16	3	1.28
Mean.	26.34	23.34				3.94	2.59	.17	.41	2.57	7.79	7.59	5.94	7.53	23.47				2.25
Total.						67	44	3	7	43.5	132.5	129	101	128	399				38.28

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gauge, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gauge. Monthly mean.	
	First Half.	Second Half.																					
January, -	23.00	21.49	64	— 36	100	2.61	2.38	.09	.82	4.12	7.18	7.32	6.98	S 59 17 W	51	15.34	10.08	20.47			2.64	44.55	
February, -	18.70	25.78	60	— 33	93	2.06	1.85	.18	.23	3.47	5.91	8.18	6.36	N 55 15 W	50	15.19	10.23	18.00			1.98	33.72	
March, - -	29.04	34.33	74	— 19	93	2.91	2.41	.88	.83	4.03	6.53	7.35	6.56	N 28 32 W	46	13.94	12.56	15.44			2.25	38.27	
April, - - -	42.31	47.53	84	9	75	3.26	3.41	.55	.85	4.20	5.70	6.00	6.08	N 51 02 W	38	11.58	14.59	15.41			2.66	45.80	
May, - - - -	51.54	58.91	94	20	74	4.00	3.00	.50	.47	4.44	6.06	6.24	6.29	N 53 10 W	49	12.01	16.35	14.65			3.41	58.00	
June, - - - -	62.79	64.08	98	23	70	2.94	2.41	.76	.62	3.44	7.00	6.77	6.06	N 86 38 W	41	13.15	15.35	14.65			4.08	69.84	
July, - - - -	67.66	68.76	96	40	56	3.23	2.00	.18	.47	3.32	7.53	7.53	6.74	N 85 27 W	62	15.70	17.94	13.06			4.03	68.55	
August, - - -	66.81	65.24	93	32	61	4.55	2.06	.41	.71	4.21	6.73	6.02	5.41	N 86 53 W	43	12.83	18.86	12.12			3.62	61.49	
September, -	60.84	55.08	91	17	74	4.24	2.03	.21	.21	4.70	6.32	7.44	4.85	S 89 04 W	15	13.50	16.15	13.85			3.25	55.20	
October, - - -	48.27	49.23	81	13	63	3.82	1.74	.38	.56	5.23	7.71	6.82	4.74	S 78 42 W	48	14.58	13.44	17.56			3.44	58.45	
November, - -	38.14	31.46	72	2	70	2.91	2.12	.24	.24	4.14	6.11	7.41	6.52	N 85 58 W	45	14.58	9.00	21.00			2.45	41.64	
December, - -	26.34	23.34	62	— 21	88	3.94	2.59	.17	.41	2.51	7.19	7.59	5.94	N 83 55 W	50	15.10	7.53	23.47			2.25	38.23	
Mean, - - - -	44.57	45.02				3.39	2.34	.34	.49	3.99	6.74	7.10	6.04	N 89° 03' W	44	13.80	13.50	16.89			3.01	51.09	

Highest degree, June 7, 1829.
 Lowest degree, January 24, 1836.
 Extreme range in 17 years, - - -
 Greatest monthly range in January.
 Least monthly range in July.

98°
 — 36
 134

Mean monthly range, 76°.
 Driest month, February.
 Wettest month, June.
 Total fall of rain and snow in 17 years, 51 feet 1.12 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1829	22.87	18.93	29.57	43.61	58.65	64.21	84.04	66.84	58.88	47.63	35.36	31.16	44.99	98	-15	113	68	February 5.	June 17.	September 8.	October 20.
1830	19.66	23.40	34.30	48.84	54.59	63.13	70.83	64.85	58.60	48.48	41.12	31.28	46.55	93	-15	103	70	January 26.	July 21.	September 17.	November 25.
1831	19.86	18.30	38.25	47.85	60.42	69.92	68.58	70.79	58.51	49.72	36.61	15.27	46.16	91	-16	107	68	February 6.	June 11.	September 30.	November 27.
1833	25.69	21.03	29.07	47.98	58.96	57.90	64.97	62.70	57.08	41.30	34.59	26.41	44.22	83	-18	106	73	February 1.	July 1.	September 14.	October 20.
1834	19.16	32.07	34.75	47.37	54.05	60.88	70.92	66.49	59.29	44.55	34.69	25.89	45.83	95	-14	109	70	January 25.	July 9.	September 12.	October 10.
1835	21.84	19.11	31.04	42.79	55.23	63.10	67.83	64.88	54.16	52.68	37.47	24.11	44.32	92	-35	127	86	January 8.	August 13.	September 15.	September 30.
1836	21.01	15.34	25.74	41.41	58.28	63.69	69.54	62.44	58.80	39.83	33.10	21.37	42.80	91	-36	127	88	February 2.	July 8.	September 6.	September 28.
1837	16.77	22.77	30.87	38.28	52.88	64.50	66.70	65.11	58.34	44.34	37.29	27.35	43.77	87	-19	100	81	January 2.	July 14.	September 14.	October 13.
1838	28.39	12.26	33.10	37.59	50.82	67.09	71.03	66.33	59.58	43.85	31.18	19.98	43.45	96	-24	120	82	January 2.	July 10.	September 14.	October 13.
1839	22.14	24.48	31.16	47.58	57.50	60.27	70.58	65.92	58.77	51.88	32.71	26.42	45.79	92	-24	116	74	January 31.	July 10.	September 8.	October 23.
1840	17.27	32.84	34.95	47.81	57.01	62.67	68.63	67.41	56.49	46.74	37.30	22.55	43.05	93	-31	124	73	January 16.	July 30.	September 14.	September 27.
1841	26.09	28.17	27.71	41.04	52.75	67.41	67.91	68.95	61.68	41.62	34.85	28.14	45.24	94	-30	124	82	January 16.	July 17.	September 12.	October 26.
1842	25.51	29.07	37.04	46.11	51.37	61.52	66.39	65.02	56.15	45.19	30.64	23.87	44.82	90	-12	102	66	January 13.	July 1.	September 23.	October 17.
1843	28.87	14.61	19.67	42.63	53.71	62.40	65.82	63.56	59.71	42.03	30.90	27.23	42.84	93	-26	119	67	February 17.	July 1.	September 23.	November 9.
1844	15.28	23.94	32.31	51.55	56.29	62.76	67.16	64.63	56.62	42.87	33.47	25.68	44.88	88	-16	104	69	January 27.	June 27.	September 23.	October 26.
1845	25.50	24.45	35.40	44.00	51.47	62.93	68.38	67.24	55.63	46.86	36.08	18.65	44.67	93	-16	109	67	February 1.	July 21.	September 12.	November 9.
Mean.	22.24	22.24	31.56	44.79	55.26	63.44	68.08	66.02	57.70	45.73	34.80	24.88	44.74								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1829	31	31.5	4	4	25	110	121	38.5	S 82° 44' W	55	196.89	188.5	176.5	53	23	6
1830	61	27	14	2	37	99.5	76	48.5	N 87° 48' W	40	146.28	182	183	60.5	21	3.5
1831	40	18.5	9.5	11.5	42.5	47	114.5	81.5	N 81° 16' W	48	176.85	166	199	57.5	21.5	2
1832	37	18.5	4.5	15.5	52.5	105	83.5	49.5	S 72° 14' W	47	172.47	178	188	46	29.5	2
1833	43	22	6.5	6.5	67	81.5	89	49.5	S 77° 03' W	44	159.03	180	185	49	29.5	1
1834	53.5	19	6	4	63.5	70.5	86.5	62	S 88° 03' W	43	158.04	171.5	193.5	60.5	31	7
1835	45	18	4	2	65.5	76	108.5	46	S 79° 42' W	48	178.07	149	216	63	35	7
1836	47	22.5	7.5	3.5	60	72	89.5	64	S 88° 08' W	44	159.85	129	237	70.5	52.5	7.5
1837	49.5	23.5	1	2	56.5	60.5	99.5	72.5	N 84° 32' W	48	175.34	130.5	234.5	75	43	7.5
1838	49.5	22.5	2	1	39.5	58.5	106.5	85.5	N 76° 42' W	53	195.62	148.5	216.5	66	56.5	9.5
1839	69	28.5	2.5	.5	47	60.5	81	76	N 71° 09' W	45	163.24	148.5	216.5	81.5	49	6
1840	61.5	12.5	1	3.5	63	54.5	100.5	69.5	N 84° 52' W	48	176.97	162	204	86.5	39	10
1841	75.5	26	2	3.5	63.5	45	97	52.5	N 84° 23' W	39	143.69	146.5	218.5	76.5	55	12
1842	8	48.5	2	11	52.5	91	46.5	105.5	S 86° 52' W	39	141.57	167	198	79.5	46	10
1843	8	54	1	8.5	25.5	95.5	40	132.5	N 75° 15' W	44	161.69	150.5	214.5	80.5	60.5	10.5
1844	9.5	50.5		8.5	28	121	29.5	119	N 86° 27' W	43	157.78	181	185	120	59	14
1845	5.5	32.5	1.5	13	26	127	21.5	138	N 89° 46' W	48	175.25	181	184	112	63	13
Mean.	40.79	27.97	4.05	5.91	47.91	80.88	81.79	75.91	N 88° 10' W	45	164.45	162.32	202.91			
Total.	693.5	475.5	69	100.5	814.5	1375	1390.5	1290.5				2759.5	3449.5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1829	3.71	2.46	2.42	5.07	1.99	3.00	3.17	3.84	2.69	3.41	2.43	2.52	36.71	May.	April.
1830	2.07	1.73	3.33	1.56	3.43	5.04	4.50	1.86	1.93	2.21	4.59	2.94	33.79	February.	June.
1831	2.71	1.67	1.21	1.93	1.23	4.37	4.26	4.13	3.75	3.52	.91	.94	30.63	November.	June.
1832	2.30	5.81	1.04	1.71	1.92	2.63	.70	5.38	1.62	1.64	2.38	3.87	31.00	July.	February.
1833	1.85	1.65	.80	.83	6.15	2.47	3.66	3.45	4.11	4.38	2.20	1.61	32.69	April.	May.
1834	1.92	1.29	1.96	1.67	3.27	4.73	3.59	3.43	2.03	3.17	1.79	2.79	29.54	January.	June.
1835	2.35	1.68	1.93	5.27	2.14	5.72	3.46	5.38	1.79	5.12	2.92	.90	35.66	December.	June.
1836	5.11	2.48	.54	2.14	8.70	5.54	6.96	3.04	2.93	4.35	1.44	2.67	41.20	March.	July.
1837	2.39	1.74	3.30	.77	5.23	4.12	4.68	3.37	2.55	5.13	1.67	1.65	36.55	April.	May.
1838	1.64	1.05	1.14	1.68	6.15	3.72	2.86	3.70	3.50	3.65	3.10	1.03	33.22	December.	May.
1839	4.97	1.23	1.74	3.05	4.96	4.66	5.20	2.12	3.05	.67	2.74	2.49	36.73	October.	July.
1840	2.37	3.09	2.80	4.20	4.66	4.10	3.12	4.45	3.39	4.39	1.40	2.35	40.92	November.	October.
1841	3.75	.49	8.86	4.23	2.02	2.42	3.13	3.90	2.94	1.32	4.10	4.27	36.46	February.	December.
1842	1.80	4.31	3.90	2.97	1.49	4.52	4.20	4.93	6.96	2.67	3.58	3.97	45.30	May.	September.
1843	2.50	2.61	4.61	4.52	1.04	5.39	3.76	4.26	4.41	4.79	2.12	1.82	41.23	May.	June.
1844	1.81	.21	1.92	1.38	6.18	1.63	3.29	3.61	3.21	3.53	2.07	1.18	84.87	February.	July.
1845	2.57	1.22	2.87	2.77	2.44	5.03	3.04	1.61	4.34	3.30	2.20	1.28	33.32	February.	June.
Mean.	2.64	1.98	2.25	2.66	3.41	4.03	4.03	3.62	3.25	3.44	2.45	2.25	36.05		
Total.	44.55	33.72	33.27	45.10	53.00	69.34	68.58	61.49	55.20	58.45	41.64	33.28	612.37		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1829	15	3	8	12	29	6	19	6	23	10	7	25	15	1	8	27	1	27	25	21	18	28	7	17
1830	16	30	20	13	30	4	30	3	4	7	15	8	21	9	23	26	6	17	2	3	9	26	25	22
1831	4	20	16	5	24	17	3	9	29	9	11	23	3	10	21	28	10	30	2	28	10	29	24	10
1832	18	26	2	24	11	18	26	5	14	24	15	4	1	13	13	24	20	13	19	28	4	15	8	21
1833	5	11	18	1	21	2	30	13	18	4	23	9	1	18	22	29	19	13	16	30	8	4	4	12
1834	17	24	22	12	20	3	16	27	23	13	23	2	9	11	12	27	4	29	1	29	10	15	1	14
1835	26	8	22	8	16	5	10	17	28	8	10	21	13	1	13	31	5	30	18	8	4	29	20	16
1836	5	28	23	2	28	2	26	6	16	13	18	20	8	21	8	20	19	28	1	26	11	25	9	30
1837	31	2	7	13	7	1	29	9	14	1	30	17	14	16	8	31	10	24	23	29	21	25	2	22
1838	4	31	8	17	23	2	28	3	21	3	10	6	10	22	21	27	22	23	2	31	4	25	1	27
1839	11	23	26	10	29	3	6	17	21	3	8	5	30	5	26	30	9	30	9	20	14	22	7	31
1840	30	16	20	4	4	11	25	7	18	9	29	7	17	12	22	9	9	21	1	26	1	27	15	25
1841	7	4	22	11	26	5	26	14	24	3	30	3	24	3	17	24	3	30	31	25	1	29	3	22
1842	29	13	4	17	4	12	25	1	18	9	30	11	1	31	18	1	12	22	1	20	7	29	21	23
1843	21	3	26	17	28	5	26	2	15	31	9	1	1	3	7	21	3	27	1	3	24	27	17	13
1844	16	27	29	9	13	4	14	1	25	21	27	11	10	4	1	22	12	29	4	31	12	27	7	28
1845	28	31	25	1	31	15	24	8	14	29	8	30	21	4	6	31	2	22	11	22	1	28	18	12

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1829	46	-15	48	-15	63	-4	75	26	89	31	98	41	87	47	93	43	89	29	68	19	56	4	59	3
1830	46	-15	56	-11	74	-4	84	27	81	34	89	48	93	50	92	44	87	28	71	25	63	31	57	-3
1831	55	-10	49	-16	67	10	75	27	94	26	91	48	90	47	91	47	85	31	76	23	56	17	39	-16
1832	54	-30	55	-20	65	-14	84	10	86	28	92	40	93	43	92	32	85	33	71	15	62	10	49	2
1833	64	-9	42	-18	60	-3	82	22	82	31	82	35	88	44	86	42	81	34	68	21	63	8	42	-6
1834	45	-14	58	-8	64	6	81	19	87	24	90	32	95	40	93	40	87	17	71	18	60	12	46	-8
1835	51	-35	51	-13	57	-11	78	9	84	25	92	40	90	42	90	40	85	28	77	31	68	7	44	-14
1836	40	-36	55	-33	59	-10	74	9	86	25	87	40	91	47	85	34	91	32	66	15	57	14	55	-15
1837	52	-18	48	-18	62	-19	70	20	83	20	87	43	87	45	86	40	84	32	81	18	70	12	62	-4
1838	53	-24	39	-15	59	-14	66	13	86	22	94	39	96	46	90	43	82	33	74	26	54	2	39	-20
1839	50	-24	50	-23	69	-2	78	18	82	26	84	42	92	46	84	42	82	50	79	17	54	2	45	-6
1840	47	-31	60	-8	65	-4	84	20	90	30	92	36	93	44	87	47	82	29	77	14	61	22	47	-10
1841	52	-30	46	-18	62	-10	74	21	87	24	90	34	94	44	90	42	86	35	66	14	72	12	46	-21
1842	52	-12	58	-3	68	-8	81	15	78	28	83	32	90	44	83	42	82	30	64	26	56	2	42	4
1843	59	-4	36	-26	49	-18	74	10	83	31	89	28	93	43	85	47	83	29	66	20	60	8	41	-2
1844	36	-16	45	-8	53	8	80	11	84	28	88	36	86	42	83	46	80	30	67	20	52	10	52	-4
1845	50	0	59	-6	71	4	76	18	86	28	90	38	93	44	86	46	77	32	69	18	62	6	38	-16
Highest.	64		60		74		84		94		98		96		93		91		81		72		62	
Lowest.		-36		-33		-19		9		20		28		40		32		17		14		2		-21
Range.		100		93		93		75		74		70		56		61		74		67		70		83

SUMMARY OF OBSERVATIONS AT OYSTER BAY ACADEMY,

OYSTER BAY, QUEENS COUNTY, N. Y., DURING TWO YEARS.

Latitude N. 40° 50'; Longitude W. 73° 49'.

OBSERVERS.

1834, GERARDUS B. DOCHARTY, Principal.

1837, (Rain gage incomplete,) N. H. WELLS, Principal.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1834	28,42	29,55	55	7	48	,5	10		,5	,5	8,5	2	9	21,5	9,5	4	2		1,92
1837	23,59	28,37	45	3	42	1	2,5		2	,5	,5	2	18	9	22	,5	1	,5	
Mean.	26,00	28,96				,75	6,25		1,25	,50	6,75	2,00	13,50	15,25	15,75				1,92
FEBRUARY.																			
1834	35,10	41,15	58	18	40	,5	9,5		3	1	9	,5	4,5	20	8	3,5	,5		1,67
1837	28,42	31,88	45	3	42	,5	6,5	,5	2	2,5	7,5		8,5	14,5	13,5	3,5	1,5		
Mean.	31,76	36,51				,50	8,00	,25	2,50	1,75	8,25	,25	6,50	17,25	10,75				1,67
MARCH.																			
1834	41,77	41,57	72	20	52		3	1	3	1,5	14		8,5	25,5	5,5	3	,5		2,67
1837	33,52	38,93	57	11	46	3	10		5,5	2,5	4		6	16	15	5,5	1		
Mean.	37,64	40,25				1,50	6,50	,50	4,25	2,00	9,00		7,25	20,75	10,25				2,67
APRIL.																			
1834	51,46	51,20	83	36	47		12		4		7,5	1,5	5	17	13	8	1		4,89
1837	45,78	48,80	78	32	46	2,5	2	,5	2,5	3,5	5	2,5	11,5	15	15	5		,5	
Mean.	48,62	50,00				1,25	7,00	,25	3,25	1,75	6,25	2,00	8,25	16,00	14,00				4,89
MAY.																			
1834	53,86	62,25	84	32	52		9,5	1	4	1	8,5	1,5	5,5	21	10	5			7,08
1837	55,39	58,85	84	32	52		7		7	6,5	4		6,5	15	16	6			
Mean.	54,62	60,55					8,25	,50	5,50	3,75	6,25	,75	6,00	18,00	13,00				7,08
JUNE.																			
1834	67,76	69,00	91	55	36		5,5	2	4,5	2	7,5	5	3,5	20,5	9,5	7			4,97
1837	65,10	66,83	87	50	37	,5	5,5	,5	3,5	3,5	12,5	,5	3,5	14	16	6,5			
Mean.	66,43	67,81				,25	5,50	1,25	4,00	2,75	10,00	2,75	3,50	17,25	12,75				4,97

JULY.																		
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]				
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]
	First Half.	Second Half.																
1834	76, 19	74, 97	95	60	35		10	1, 5	2	5	8, 5	1	3	24, 5	6, 5	5, 5		
1837	68, 66	70, 52	93	55	38	, 5	2, 5	1, 5	2, 5	5	10	3	6	17	14	6, 5		6, 45
Mean.	72, 42	72, 74				, 25	6, 25	1, 50	2, 25	5, 00	9, 25	2, 00	4, 50	20, 75	10, 25			6, 45
AUGUST.																		
1834	75, 87	66, 93	93	53	40	, 5	9, 5	, 5	7, 5	1, 5	6		5, 5	26	5	2		
1837	70, 35	68, 06	92	52	40	, 5	5	1, 5	6	1, 5	7	1	8, 5	14	17	5, 5		2, 10
Mean.	73, 11	67, 49				, 50	7, 25	1, 00	6, 75	1, 50	6, 50	, 50	7, 00	20, 00	11, 00			2, 10
SEPTEMBER.																		
1834	65, 52	63, 82	84	43	41	1, 5	6, 5	4	6, 5	1	4	2	4, 5	16, 5	13, 5	10, 5		
1837	64, 11	62, 63	83	48	35	1	7, 5	2	4	3, 5	5	, 5	6, 5	17, 5	12, 5	3		4, 83
Mean.	64, 81	63, 22				1, 25	7, 00	3, 00	5, 25	2, 25	4, 50	1, 25	5, 50	17, 00	13, 00			4, 83
OCTOBER.																		
1834	48, 87	47, 53	79	31	48	, 5	6		4	3, 5	6	1, 5	9, 5	19, 5	11, 5	6, 5		2, 00
1837	53, 89	53, 74	76	32	44	3, 5	6, 5	, 5	2, 5	2, 5	5, 5	1	9	20	11	4, 5		
Mean.	51, 38	50, 63				2, 00	6, 25	, 25	3, 25	3, 00	5, 5	1, 25	9, 25	19, 75	11, 25			2, 00
NOVEMBER.																		
1834	49, 29	40, 11	58	27	31	2	7		1	1	8, 5	3, 5	7	14, 5	15, 5	7	, 5	, 5
1837	45, 89	42, 78	68	15	53	, 5	2, 5	, 5	, 5	2	15, 5	3	5, 5	17, 5	12, 5	1, 5	1, 5	
Mean.	47, 59	41, 44				1, 25	4, 75	, 25	, 75	1, 50	12, 00	3, 25	6, 25	16, 00	14, 00			2, 24
DECEMBER.																		
1834	36, 06	30, 66	56	5	51		6, 5			1, 5	8, 5	3, 5	11	15	16	2, 5	3, 5	
1837	36, 42	32, 11	56	13	43	2	5, 5			, 5	, 5	11, 5	3, 5	7, 5	16, 5	14, 5	1, 5	, 5
Mean.	36, 24	31, 88				1, 00	6, 00		, 25	1, 00	10, 00	3, 50	9, 25	15, 75	15, 25			1, 47

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gauge, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gauge. Monthly mean.	
	First Half.	Seco'd Half.																					
January, --	26.00	28.96	55	3	52	.75	6.25		1.25	.50	6.75	2.00	13.50	N 52° 41' W	43	12.95	15.25	15.75				1.92	1.92
February, --	31.76	36.51	53	3	55	.50	8.00	.25	2.50	1.75	8.25	.25	6.50	N 65° 03' W	11	3.32	17.25	10.75				1.67	1.67
March, ----	37.64	40.25	72	11	61	1.50	6.50	.50	4.25	2.00	9.00		7.25	S 87° 37' W	11	3.38	20.75	10.25				2.67	2.67
April, ----	48.62	50.00	83	32	51	1.25	7.00	.25	3.25	1.75	6.25	2.00	8.25	N 53° 36' W	20	5.91	16.00	14.00				4.89	4.89
May, ----	54.62	60.55	84	32	52		8.25	.50	5.50	8.75	6.25	.75	6.00	S 22° 09' E	7	2.10	18.00	13.00				7.08	7.08
June, ----	66.43	67.81	91	55	36	.25	5.50	1.25	4.00	2.75	10.00	2.75	3.50	S 12° 32' W	14	4.37	17.25	12.75				4.97	4.97
July, ----	72.42	72.74	95	55	40	.25	6.25	1.50	2.25	5.00	9.25	2.00	4.50	S 77° 20' W	27	8.04	20.75	10.25				6.45	6.45
August, --	73.11	67.49	93	52	41	.50	7.25	1.00	6.75	1.50	6.50	.50	7.00	S 71° 34' E	8	1.92	20.00	11.00				2.10	6.10
September, --	64.81	63.22	84	43	41	1.25	7.00	3.00	5.25	2.25	4.50	1.25	5.50	N 74° 14' E	11	3.46	17.00	13.00				4.83	4.83
October, --	51.38	50.63	79	31	48	2.00	6.25	.25	3.25	8.00	5.75	1.25	9.25	N 53° 43' W	20	6.08	19.75	11.25				2.00	2.00
November, --	47.59	41.44	68	15	53	1.25	4.75	.25	.75	1.50	12.00	3.25	6.25	S 77° 21' W	40	12.12	16.00	14.00				2.24	2.24
December, --	36.24	31.88	56	5	51	1.00	6.00		.25	1.00	10.00	3.50	9.25	N 74° 28' W	44	13.17	15.75	15.25				1.47	1.47
Mean, ----	50.59	50.95				.87	6.58	.73	8.27	2.23	7.88	1.62	7.23	N 83° 34' W	15	4.64	17.81	12.60				3.85	3.85

Highest degree, July 26, 1834, 95°
 Lowest degree, January 3 and February 7, 1837, 3°
 Extreme range in 2 years, 92°
 Greatest monthly range in March.
 Least monthly range in June.

Mean monthly range, 48½°.
 Driest month, December.
 Wettest month, May.
 Total fall of rain and snow in 1 year, 3 feet 10,29 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1834	28.98	38.12	41.67	51.33	58.05	68.88	75.58	71.40	64.67	48.20	42.20	38.66	51.85	95	5	90	52	December 14.	July 26,	September 30,	November 16.
1837	25.98	30.15	36.22	47.29	57.12	65.96	69.56	69.20	63.37	59.81	44.33	34.26	49.77	93	3	90	53	January 8.	July 1,	October 5,	November 14.
Mean.	27.48	34.11	38.94	49.31	57.58	67.17	72.57	70.30	64.02	54.00	43.26	33.96	50.81								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1834	5,5	95	10	40	19,5	96,5	22	76,5	N 74° 36' W	11	40,34	241,5	123,5	64,5	8	,5
1837	15,5	63	7,5	38,5	34	92,5	17	97	S 39 17 W	25	92,55	186	179	49,5	6,5	1,5
Mean.	10,50	79,00	8,75	39,25	26,75	94,5	19,50	86,75	N 83° 24' W	15	55,68	213,75	151,25			

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1834	18	25	20	7	20	22	15	27	24	15	9	5	26	30	12	30	4	29	2	15	7	15	6	14
1837	31	3	15	13	13	1	30	4	31	1	30	17	1	4	9	23	11	13	1	30	20	26	3	22

RAIN GAGE—1834.

January,	1,92	July,	6,45
February,	1,67	August,	2,10
March,	2,67	September,	4,83
April,	4,89	October,	2,00
May,	7,08	November,	2,24
June,	4,97	December,	1,47
Total fall of rain and snow,			42,29

Driest month, February.

Wettest month, May.

SUMMARY OF OBSERVATIONS AT PALMYRA HIGH SCHOOL,

PALMYRA, WAYNE COUNTY, N. Y., DURING ONE YEAR.

Latitude N. 43° 05'; Longitude W. 77° 16'. Elevation above tide 450 feet.

OBSERVER.

1835, JAMES F. COGSWELL, Principal.

MONTHS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]				
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]
	First Half.	Second Half.																
January,	18,25	33,62	48	—	9,57	4,5	1	2,5	5,5	1	1,5	7	8	8,5	22,5	3,5		
February, -	14,23	26,52	53	—	2,55	,5	,5		4	,5	7	6	9,5	10,5	17,5		4,5	
March,	28,42	32,95	54	—	1,55	3	2	1	7,5	2,5	6,5	2	6,5	12,5	18,5	2	1,5	
April,	45,90	39,78	77	—	19,58	2,5	5,5	,5	5,5	1,5	3,5	5	6	15,5	14,5	3,5	2	1
May,	50,53	61,87	87	—	30,57	2,5	6		5,5	,5	3,5	4	9	19,5	11,5	5,5		
June,	67,14	61,78	93	—	44,49	1,5	3,5	1,5	5,5	,5	7,5	2	8	18,5	11,5	1,5		
July,	66,60	69,32	90	—	45,45	,2	,5	,5	5,5	2	10	5,5	5	21	10	1,5		
August,	63,79	64,21	89	—	38,51	,2	3,5		2	1	12,5	5	5	21,5	9,5	1,5		
September,	57,63	51,16	85	—	29,56	,5			6	3,5	9,5	4,5	6	19	11	,5		
October,	47,22	56,35	84	—	33,51	2	1,5	,5	12	3	3,5	4,5	4	21	10	2,5		
November,	46,31	33,33	67	—	12,55	,5	2	1,5	6,5	2	7	7,5	3	11	19	1	,5	
December,-	23,33	27,68	50	—	4,54	,5	1	1,5	7	1	9,5	6	4,5	7	24	,5	1,5	
Mean	44,11	46,55				1,83	2,25	,79	6,04	1,58	6,79	4,92	6,21	15,46	14,95			
Total						22	27	9,5	72,5	19	81,5	59	74,5	185,5	179,5			

Rain Gage.

January,	1,22	July,	4,19
February,	0,85	August,	4,08
March, -	1,65	September,	3,27
April,	4,00	October, -	5,06
May,	,98	November,	1,96
June,	5,61	December,	,93
Mean,		-	2,82
Total,	-	-	33,80
Driest month, February.			
Wettest month, June.			

Coldest days.

Warmest days.

January	9th,	25th.
February	8th,	21st.
March -	4th,	15th.
April -	14th, -	11th.
May -	8th,	28th.
June -	21st,	11th.
July -	8th,	12th.
August -	4th,	13th.
September	29th,	5th.
October	31st,	18th.
November	29th,	4th.
December	16th,	26th.

SUMMARY OF OBSERVATIONS AT PLATTSBURGH ACADEMY,

PLATTSBURGH, CLINTON COUNTY, N. Y., DURING FIVE YEARS.

Latitude N. 44° 42'; Longitude W. 73° 76'

[The thermometer used, was of London manufacture, name of maker not given. It was some 3° higher than the one now used. It was hung on a column of a piazza, on the NE. side, since 1846 The Rain gage was the one with floating rod, elevated 5 feet from the ground. Plattsburgh is situated at the mouth of the river Saranac; the nearest mountains and considerable hills being some twenty miles distant. J. B. D. TAYLOR.]

OBSERVERS.

1841, (ex. rain gage,) JOSEPH SCOTT and A. M. FOSTER, Principals.
1842, (ex. rain gage,) A. M. FOSTER, Principal.

1847, JOHN D. S. TAYLOR, Principal.
1848, '49, JOSEPH W. TAYLOR, Teacher.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1841	19,02	27,36	48	—16	64	9	1		1	10,5	3	2	4,5	10,5	20,5	2	6		
1842	17,43	25,18	50	—12	62	1,5	1,5		1,5	13,5	3	3	7	16	15	2	4		
1847	28,99	17,25	47	—6	53	4	,5	,5	1,5	8	3	7	6,5	11	20	3	4	1	4,10
1848	19,03	28,03	49	—17	66	7	4		3	10		1,5	5,5	10	21	4	4		2,75
1849	14,69	19,77	52	—13	65	10	3		1,5	6	2,5	2	6	11,5	19,5	3	10		2,30
Mean.	19,83	23,52				6,30	2,00	,10	1,70	9,60	2,30	3,10	5,90	11,80	19,20				3,05
Total.						31,5	10,00	,5	8,5	48	11,5	15,5	29,5	59	96				9,15
FEBRUARY.																			
1841	15,47	15,28	38	—10	48	6,5	,5	1	,5	6	1,5	6,5	5,5	16	12		2		
1842	28,41	24,23	48	—6	54	2	4		2	10	2	4	4	12	16	2	6	1	
1847	22,90	15,27	44	—14	58	5	,5		,5	4	2	4	12	11	17	1,5	5,5	,5	3,56
1848	17,94	25,62	50	—4	54	4	3,5		5	4	1	1	10,5	15	14	6	1		3,69
1849	12,01	21,02	48	—20	68	11,5	1		2,5	9,5		,5	3	13	15		14		2,59
Mean.	19,35	20,28				5,80	1,90	,20	2,10	6,70	1,30	3,20	7,00	13,40	14,80				3,28
Total.						29	9,5	1	10,5	33,5	6,5	16	35	67	74				9,84

MARCH.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1841	19,19	29,62	60	-12	72	15	,5	,5		4	3,5	2,5	5	16,5	14,5	2	5		
1842	34,91	37,91	66	11	55	4	2,5	,5	3	12,5	1	4	3,5	20	11	5	4	3	
1847	35,23	31,01	56	1	55	12,5		1	1	3,5	,5	3	2,5	15	16	2,5	4,5		7,12
1848	24,42	35,40	60	0	60	8,5	5		,5	9	,5	1	6,5	15,5	15,5	3	3		3,08
1849	30,84	38,24	54	9	45	12				9		1,5	8,5	12,5	18,5	9	4		3,69
Mean.	28,92	34,44				10,40	1,60	,40	,90	7,60	1,10	2,40	6,60	15,90	15,10				4,63
Total.						52	8	2	4,5	38	5,5	12	33	79,50	75,50				13,89
APRIL.																			
1841	30,88	40,44	65	10	55	9	1			8,5	2	1	8,5	14	16	2	4		
1842	43,96	45,93	80	14	66	5	2	1,5	1,5	14	,5	2,5	3	20,5	9,5	9	3		
1847	36,97	41,01	64	8	56	4	,5	,5	,5	12,5	1	2	9	11,5	18,5	5	4,5		4,09
1848	42,24	44,42	70	20	50	11	2,5		2,5	11,5		2	,5	17	13	2			1,58
1849	40,60	38,64	62	24	38	4			3	9			14	14,5	15,5	4	3		2,76
Mean.	38,93	42,09				6,60	1,20	,40	1,50	11,10	,70	1,50	7,00	15,50	14,50				2,81
Total.						33	6	2	7,5	55,5	3,5	7,5	35	77,5	72,5				8,43
MAY.																			
1841	46,59	61,25	84	30	54	8,5	,5	1	3	10	,5	2	5,5	19	12	7			
1842	48,67	55,69	72	35	37	3	1,5	2	1	10	,5	9	4	17,5	13,5	11			
1847	58,26	66,56	78	32	46	5,5	1,5	,5	4,5	12	1	1	5	18	13	3			,70
1848	55,87	67,01	89	38	51	10,5	,5		3	13,5		1,5	2	19,5	11,5	6			2,44
1849	45,33	54,74	72	33	39	9,5	1,5	,5	5	10	1,5	,5	2,5	11	20	10			3,92
Mean.	50,94	61,05				7,40	1,10	,80	3,30	11,10	,70	2,80	3,80	17,00	14,00				2,35
Total.						37	5,5	4	16,5	55,5	3,5	14	19	85	70				7,06
JUNE.																			
1841	68,36	64,68	88	55	33	5	,5	,5	1	10,5	4	3,5	5	15,5	14,5	9			
1842	54,29	63,42	80	34	46	1	2	1	4,5	13	2	3	3,5	20	10	13		1	
1847	64,17	71,30	87	40	47	,5			2,5	17	1	1,5	7,5	12	18	12,5			7,19
1848	62,85	70,70	90	40	50	3			4	12,5	,5	5	5	15,5	14,5	7			2,39
1849	61,70	71,70	93	45	48	7	,5		2,5	14		2	4	21	9	8			1,64
Mean.	62,27	68,36				3,30	,60	,30	2,90	13,40	1,50	3,00	5,00	16,80	13,20				3,74
Total.						16,5	3	1,5	14,5	67	7,5	15	25	84	66				11,22
JULY.																			
1841	67,72	69,45	90	55	35	3,5		,5	,5	10	1	4,5	11	23	8	9			
1842	64,81	67,04	85	48	37	1	,5	3	5,5	3	2	8,5	7,5	20,5	10,5	9			
1847	74,62	70,55	93	50	43	4,5	2		6,5	7	2,5	2,5	6	20,5	10,5	6			3,75
1848	70,45	66,26	90	60	30	3,5			2,5	10	2	9	4	16	15	9			2,89
1849	70,80	72,61	100	52	48	1	,5		7	12	,5	2	8	25,5	5,5	1			,95
Mean.	69,68	69,18				2,70	,60	,70	4,40	8,40	1,60	5,30	7,30	21,10	9,90				2,53
Total.						13,5	3	3,5	22	42	8	26,5	36,5	105,5	49,5				7,59

AUGUST.																				
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1841	69,30	71,12	91	48	43	6		,5	1,5	14,5	3,5	3	2	23	8	7				
1842	68,48	66,68	84	48	36	1,5	2	4	1,5	11,5	3,5	2,5	4,5	22,5	8,5	9				
1847	72,07	66,70	87	52	35	5,5	,5		2	10	3	1	9	21	10	2			2,76	
1848	73,71	65,16	86	51	35	8			2,5	14	2	1,5	3	17	14	5			2,07	
1849	66,69	68,59	89	49	40	,5		4	9	13,5	,5	3,5		14,5	16,5	8			3,60	
Mean.	70,05	67,65				4,30	,50	1,70	3,30	12,70	2,50	2,30	3,70	19,60	11,40				2,81	
Total.						21,5	2,5	8,5	16,5	63,5	12,5	11,5	18,5	98	57				8,43	
SEPTEMBER.																				
1841	63,62	59,87	82	40	42	8	,5	,5	1,5	14	2	1,5	2	21	9	6				
1842	58,82	51,98	80	33	47	4,5			2,5	4	2,5	5	11,5	22	8	12				
1847	61,91	56,64	77	40	37	4,5		2	3	6	,5	1,5	12,5	13,5	16,5	7,5			6,25	
1848	62,06	51,75	87	32	55	14	,5		6,5	3,5		,5	5	15,5	14,5	7			1,21	
1849	60,66	58,19	84	40	44	10,5	1,5		5	10		,5	2,5	18,5	11,5	6			2,46	
Mean.	61,41	55,69				8,30	,50	,50	3,70	7,50	1,00	1,80	6,70	18,10	11,90				3,31	
Total.						41,5	2,5	2,5	18,5	37,5	5	9	33,5	90,5	59,5				9,92	
OCTOBER.																				
1841	46,90	41,42	70	23	47	5				13	3	2,5	7,5	19	12	2				
1842	50,01	41,53	65	29	36	1,5	1		2	8	3,5	12	3	18,5	12,5	12				
1847	48,12	41,58	67	14	53	3,5			6	5,5	2,5	4	9,5	14	17	6			3,57	
1848	50,26	46,24	69	30	39	7,5	2		3	13	1,5		4	14,5	16,5	6			4,52	
1849	48,33	49,07	69	30	39	12,5			1	11	,5	,5	5,5	17,5	13,5	6	1		5,49	
Mean.	48,72	43,97				6,00	,60		2,40	10,10	2,20	3,80	5,90	16,70	14,30				4,52	
Total.						30	3		12	50,5	11	19	29,5	83,5	71,5				13,58	
NOVEMBER.																				
1841	40,35	28,45	66	11	55	3,5	1			5,5	3	5,5	11,5	11	19	7	3			
1842	38,03	29,39	48	12	36	2		1		8	3,5	13,5	2	16,5	13,5	6	2	2		
1847	43,33	33,20	68	2	66	8			3,5	8	,5	1	9	3	27	4,5	4		2,13	
1848	36,04	35,37	57	10	47	9,5			3	9,5	1,5	,5	6	12,5	17,5	2	3	1	2,71	
1849	47,38	43,62	69	26	43	14			10			2	4	21,5	8,5	5			2,45	
Mean.	41,03	34,01				7,40	,20	,20	3,30	6,20	1,70	4,50	6,50	12,90	17,10				2,43	
Total.						37	1	1	16,5	31	8,5	22,5	32,5	64,5	85,5				7,29	
DECEMBER.																				
1841	35,72	18,39	45	—	348	7,5	,5	,5		13,5	2,5	4	2,5	11	20	5	3			
1842	24,51	19,73	46	—	1662	6				5,5	4,5	8,5	6,5	13,5	17,5	1	9	1		
1847	33,90	20,37	62	—	668	15,5			,5	10,5		1,5	3	7	24	5	4,5		2,04	
1848	37,21	24,35	50	—	1161	13,5			1	12	1,5	1,5	1,5	8,5	22,5	3	8	2	2,67	
1849	25,04	24,59	38	—	846	12,5	2		,5	3,5	1	3	8,5	8	23	2	9		3,17	
Mean.	31,29	21,49				11,00	,50	,10	,40	9,00	1,90	3,70	4,40	9,60	21,40				2,63	
Total.						55	2,5	,5	2	45	9,5	18,5	22	48	107				7,88	

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.							RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.							Rain gage, total fall.	
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.		
	First Half.	Seco'd Half.																						
January, -	19,83	23,52	52	-17	69	6,30	2,00	10	1,70	9,60	2,30	8,10	5,90	N 85° 00' W	21	6,20	11,80	19,20					3,05	9,15
February, -	19,35	20,28	50	-20	70	6,80	1,90	20	2,10	6,70	1,30	8,20	7,00	N 63° 44' W	32	6,73	13,40	14,50					3,23	9,84
March, -	28,92	31,44	66	-12	78	10,40	1,60	40	90	7,60	1,10	2,40	6,60	N 37° 55' W	30	9,10	15,90	15,10					4,63	13,83
April, -	38,93	42,09	80	8	72	6,60	1,20	40	1,50	11,10	70	1,50	7,00	N 56° 48' W	15	4,65	15,50	14,50					2,31	8,43
May, -	50,94	61,05	89	30	59	7,40	1,10	80	3,30	11,10	70	2,80	3,80	N 34° 17' W	12	3,98	17,00	14,00					2,35	7,06
June, -	62,27	68,36	98	34	59	3,30	60	30	2,90	13,40	1,50	3,00	5,00	N 37° 55' W	41	10,50	16,80	13,20					3,74	11,22
July, -	69,68	69,18	100	48	52	2,70	60	70	4,40	8,40	1,60	5,30	7,30	N 55° 21' W	28	8,56	21,10	9,80					2,58	7,59
August, -	70,05	67,65	91	48	43	4,30	60	1,70	3,30	12,70	2,50	2,30	3,70	N 18° 39' W	22	6,60	19,60	11,40					2,81	8,48
September, -	61,41	55,69	87	32	55	8,30	60	50	3,70	7,50	1,00	1,50	6,70	N 55° 37' W	15	4,57	18,10	11,90					3,31	9,92
October, -	48,72	43,97	70	14	56	6,00	60	20	2,40	10,10	2,20	3,80	5,90	N 69° 38' W	26	7,90	16,70	14,30					4,52	13,58
November, -	41,08	34,01	69	2	67	7,40	60	20	3,30	6,20	1,70	4,50	6,50	N 72° 31' W	26	7,99	12,90	17,10					2,43	7,29
December, -	31,29	21,49	62	-16	78	11,00	60	10	40	9,00	1,90	3,70	4,40	N 61° 56' W	28	8,49	9,61	21,40					2,63	7,58
Mean, -	45,20	45,14				6,62	1,89	45	2,49	9,45	1,09	3,12	5,82	N 79° 32' W	16	6,33	15,70	14,70					3,17	9,52

Highest degree, July 13, 1849, - - - - - 100°
 Lowest degree, February 17, 1849, - - - - - 20°
 Extreme range in 5 years, - - - - - 120°
 Greatest monthly range in March and December.
 Least monthly range in August.

Mean monthly range, 63°.
 Driest month, November.
 Wettest month, March.
 Total fall of rain and snow in 3 years, 9 feet 6,22 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1841	23,19	15,37	24,35	35,66	53,92	66,52	68,58	70,21	61,74	44,16	34,40	27,05	43,75	91	-16	107	72	January 4.	August 18.	October 7.	November 8.
1842	21,30	26,32	36,40	44,63	52,15	58,85	65,92	67,58	55,40	45,77	33,71	22,12	44,18	85	-16	101	62	January 13.	July 19.	September 10.	November 24.
1847	23,12	19,58	28,12	38,99	62,41	67,73	72,58	69,38	84,27	44,80	38,26	27,13	46,36	93	-14	107	68	February 16.	July 10.	October 14.	November 15.
1848	23,52	21,78	29,91	43,33	61,64	66,77	68,35	69,48	56,90	48,25	35,70	30,78	46,35	90	-17	107	66	January 10.	June 27.	September 13.	November 8.
1849	17,23	16,51	34,54	39,62	50,03	66,70	71,70	67,64	59,42	45,70	55,50	24,81	45,20	100	-20	120	68	February 17.	July 13.	October 9.	November 31.
Mean.	21,67	19,91	30,60	40,45	56,13	65,81	69,43	68,86	59,55	46,34	39,51	26,38	45,17								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1841	86,5	6	5	9	120	29,5	38,5	70,5	S 86° 02' W	28	95,69	199,5	165,5	58	23	
1842	33	17	13	25	113	28,5	75,5	60	S 56° 24' W	31	114,51	219,5	145,5	91	28	8
1847	73	5,5	4,5	32	104	17,5	30	98,5	N 84° 41' W	22	81,36	157,5	207,5	48,5	27	1,5
1848	100	18		36,5	122,5	10,5	25	53,5	S 54° 39' W	11	38,89	176,5	189,5	54	24	4
1849	105	10	4,5	47	107,5	6,5	18	66,5	N 60° 38' W	8	30,77	189	176	62	41	
Mean.	79,50	11,30	5,40	29,90	113,40	18,50	37,40	69,80	S 78° 16' W	18	66,67	188,40	176,80			
Total.	397,5	56,5	27	149,5	567	92,5	187	349				942	884			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1847	4.10	3.56	7.12	4.09	1.70	7.19	3.75	2.76	6.25	3.57	2.18	2.04	47.26	May. September. July.	June. October. October.
1848	2.75	3.69	3.03	1.53	2.44	2.39	2.89	2.07	1.21	3.52	2.71	2.67	32.00		
1849	2.30	2.59	3.69	2.76	3.92	1.64	1.95	3.60	2.46	3.49	2.45	3.17	35.02		
Mean.	3.05	3.23	4.63	2.81	2.35	3.74	2.53	2.81	3.31	4.53	2.43	2.63	38.09		
Total.	9.15	9.84	13.89	8.43	7.06	11.22	7.59	8.43	9.92	13.53	7.29	7.53	114.23		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1841	7	4	26	1	26	4	25	10	22	3	8	19	22	28	18	14	3	30	31	25	1	29	9	21
1842	30	13	4	9	17	11	21	1	18	8	30	11	19	30	26	30	2	23	1	29	6	28	4	28
1847	2	31	3	16	8	1	26	1	15	1	28	15	10	26	10	24	9	26	6	27	4	29	10	21
1848	1	10	23	11	31	15	29	6	18	1	27	1	21	3	11	18	5	27	5	18	2	10	18	23
1849	25	9	28	17	31	5	4	16	28	5	22	13	13	2	21	15	7	19	31	18	7	30	15	25

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1841	48	-16	38	-10	60	-12	65	10	84	30	88	55	90	55	91	48	82	40	70	23	66	11	45	-3
1842*	50	-12	48	-6	66	11	80	14	72	35	80	34	85	48	84	48	80	33	65	29	48	12	46	-16
1847	47	-6	44	-14	56	1	64	8	78	32	87	40	93	50	87	52	77	40	67	14	68	2	62	-6
1848	49	-17	50	-4	60	0	70	20	89	38	90	40	90	60	86	51	87	32	69	30	57	10	50	-11
1849	52	-13	48	-20	54	9	62	24	72	33	93	45	100	52	89	49	84	40	69	30	69	26	38	-8
Highest.	52		50		66		80		89		93		100		91		87		70		69		62	
Lowest.		-17		-20		-12	8		30		34		48		48			32		14		2		-16
Range.		69		70		78		72		59		59		52		43		55		56		67		78

SUMMARY OF OBSERVATIONS AT POMPEY ACADEMY,

POMPEY, ONONDAGA COUNTY, N. Y., DURING SEVENTEEN YEARS.

Latitude N. 42° 56'; Longitude W. 76° 05'. One of the highest points of land in the county, not less than 900 feet above the canal at Salina. Elevation above tide 1300 feet.

OBSERVERS.

1826, (except rain gage,) Not stated.

1827, HENRY HOWE, Instructor, and E. S. BARROWS.

1828, E. S. BARROWS, Principal, H. HOWE, Instructor, and A. HUNTINGTON.

1829, ANDREW HUNTINGTON, Principal.

1830, ANDREW HUNTINGTON, a Teacher.

1831, (except rain gage,) ANDREW HUNTINGTON, Principal.

1832, '33, ANDREW HUNTINGTON, Principal.

1835 to 1842, inclusive, SAMUEL S. STEBBINS, Principal.

1843, SAMUEL S. STEBBINS and ENSIGN BAKER, Principals.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	27,22	14,50	49	—13	62	2			,5	4,5	14	6,5	3,5	5,5	25,5	3,5	5,5		
1827	21,09	15,51	38	—14	52				3	7,5	4	8	8,5	6	25		9		4,75
1828	32,23	20,42	48		246		1		2,5	8	5	7,5	7	6	25	2	3	4	1,42
1829	17,44	22,74	42	—11	53	,5	1		5	6,5	7,5	5,5	5	8	23		7		,80
1830	24,37	11,90	43	—11	54				3	5	8,5	7,5	7	11	20		8,5		,40
1831	18,75	11,77	51	—5	56		1	,5	3,5	3,5	8	5	9,5	7	24	1	6		
1832	24,54	19,27	53	—16	69		,5		2,5	1	16,5	7,5	3	10,5	20,5	1,5	8		,30
1833	27,84	23,48	59	—9	68		,5		6	3,5	11	5	5	5,5	25,5	2,5	7		,49
1835	15,93	29,54	55	—17	72				1,5	7,5	8,5	8,5	5	12	19	2			2,04
1836	25,82	15,68	42	—6	48				5,5	5	2,5	8,5	9,5	5,5	25,5	,5	6,5		6,65
1837	10,85	20,23	41	—10	51			,5	1,5	4	,5	5	19,5	9,5	21,5		6		,79
1838	30,28	12,52	55	—12	67		1		3	7,5	5	5	9,5	15	16	1,5	4,5		,75
1839	26,53	14,35	48	—13	61				5	3	6,5	5,5	11	11	20		10	2	2,02
1840	12,51	14,01	46	—18	64		1		5,5	,5		7	17	8	23	1	7		1,20
1841	23,13	24,51	49	—5	54			1	8,5	6	1,5	3,5	10,5	6,5	24,5	2	7		1,64
1842	19,67	27,67	49	—9	58				6	5,5	1,5	4,5	13,5	8	23	1	7	2	1,45
1843	26,83	28,79	51	0	51				3	8,5		8,5	11	8	23	5	6	2	3,32
Mean.	22,65	19,23				,14	,32	,17	3,85	5,11	5,91	6,38	9,12	8,41	22,59				1,87
Total.						2,5	5	3	65,5	87	100,5	108,5	155	143	384				28,02

FEBRUARY.

YEARS	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	23,00	25,53	51	-12	63	,5			2	5,5	11,5	4,5	4	11,5	16,5	2	3,5		
1827	19,42	30,65	44	-5	49				4	4	5,5	9,5	5	6	22	3	4		2,69
1828	32,06	29,75	55	2	53		1	1,5	2,5	5,5	5,5	6,5	6,5	10,5	18,5	4		1	1,68
1829	17,33	15,88	48	0	48	1			3	1	11,5	4	7,5	7,5	20,5		4		,55
1830	12,73	30,92	47	-7	54			,5	2,5	1,5	10,5	6,5	6,5	13,5	14,5		3,5		,00
1831	12,48	23,62	45	-5	50	1		,5	6	,5	12	3,5	4,5	13	15	,5	5,5		
1832	23,23	19,62	52	-15	67		,5		3,5	3	4	17,5	,5	7	22	3	6		2,00
1833	17,86	21,63	45	-7	52			1	2	1,5	8	8,5	7	10,5	17,5		6,5		,18
1835	10,09	24,99	47	-5	52					5,5	8	13,5	1	8	20	1,5	6		3,05
1836	10,97	20,40	48	-16	64				4,5	5	4,5	8,5	6,5	9,5	19,5	1,5	5		1,23
1837	18,86	19,79	44	-10	54	2			1	7,5	3	7,5	7	7	21		5		1,03
1838	12,80	8,02	42	-8	50		,5		1	3	,5	6,5	16,5	6	22		11,5		,64
1839	17,33	33,11	48	-2	50				3	4,5	11	3,5	6	11,5	16,5	1	3	1	,45
1840	22,49	34,07	53	-10	63				2,5	11	2,5	5,5	7,5	5	24	5	5	1	2,64
1841	15,12	25,28	42	-3	45		,5		3		7	5	12,5	10	18		6		,33
1842	29,46	23,20	56	0	56			,5	6	5	2,5	2,5	11,5	7,5	20,5	2	9	3	1,71
1843	13,47	15,25	32	-8	40				5		1	8,5	13,5	6,5	21,5		10		1,38
Mean.	18,16	23,63				,24	,15	,23	3,03	3,77	6,38	7,15	7,27	8,85	19,38				1,30
Total.						4,5	2,5	4	51,5	64	108,5	121,5	123,5	150,5	329,5				19,56

MARCH.

1826	35,90	27,93	68	6	62				2,5	10	4	9	5,5	13	18	3	1		
1827	28,13	33,69	64	7	57				4	6	4,5	9,5	7	13	18	2	1		1,34
1828	28,42	40,29	72	4	68				6	6,5	3	3	12,5	17	14	3	2		1,36
1829	27,65	26,91	59	8	51	,5		,5	1,5	1,5	15	5	7	11,5	19,5	1	3		,10
1830	27,95	37,14	69	5	64	,5	1,5		5	3,5	9,5	4	7	14,5	16,5	3,5	4		,94
1831	33,88	36,48	65	7	58	2,5			4,5	1,5	14,5	3,5	4,5	6	25	3,5	3		
1832	31,18	31,99	67	-1	68				5	1	14	7,5	3,5	13,5	17,5	2,5	6		,05
1833	21,07	37,69	71	-8	79	2			3	6,5	9,5	6,5	3,5	15	16	2,5	4		,18
1835	27,27	31,86	58	-3	61	2,5			2,5	4,5	8,5	8,5	4,5	14,5	16,5		4		2,95
1836	19,24	30,50	59	-3	62				3	9,5	5	10	3,5	14,5	16,5	1	2,5		,74
1837	21,17	30,10	53	-4	57				11	2	7,5	10,5		16	15	2	2	,5	,61
1838	30,28	34,14	57	9	48		1	,5	5,5	6	5,5	7,5	5	15,5	15,5	1	2,5		,30
1839	23,08	33,16	65	-3	68			,5	6,5		3,5	6,5	14	13	18	1	5	4	1,27
1840	30,26	32,44	60	0	60		,5		1	9,5	,5	9,5	10	12	19	4	3	2	1,46
1841	21,96	33,83	60	-3	63		,5	1,5	2,5	2,5	7,5	4,5	12	13	18	1	8	2	2,56
1842	34,59	33,45	64	4	60				4,5	6	8,5	4,5	7,5	10,5	20,5	4	3	2	2,44
1843	16,46	22,40	47	1	46			,5	6,5	2,5		7	14,5	8,5	22,5	1	10	2	1,60
Mean.	26,97	32,59				,47	,21	,21	3,73	5,18	6,76	6,68	7,76	13,00	18,00				1,19
Total.						8	3,5	3,5	63,5	88	115	113,5	132	221	306				17,90

APRIL.																				
YEARS.	THERMOMETER.						WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1826	32,26	40,01	71	11	60	,5	1		2	3	8	9,5	6	12	18	2,5	1			
1827	48,53	41,69	70	27	43	,5	1,5		3	2	,5	8	8,5	14,5	15,5	4			2,20	
1828	33,76	41,13	58	15	43				6		2,5	2	19,5	12	18	6	2	1	2,18	
1829	37,96	45,35	71	25	46			,5		7	10,5	11	1	11,5	18,5	4	2		2,26	
1830	43,10	54,40	83	27	56	3,5	2	2	3,5	4	5	6	4	19,5	10,5	5,5	,5		1,70	
1831	41,08	44,84	69	19	50	2	1,5	1	7,5	2	6,5	6,5	3	11,5	18,5	5,5	3			
1832	36,69	41,85	73	14	59	2,5	1,5	,5	4	3,5	4	9	5	15	15	6,5	1,5		1,21	
1833	43,96	49,55	78	17	61			,5	5,5	1,5	10,5	5,5	6,5	22	8	4	,5		1,24	
1835	44,52	36,99	74	21	53	,5	1,5		4,5	6	5	4,5	8	15	15	1	6,5	2	2,06	
1836	34,06	44,36	74	17	57				3	9	6,5	5	6,5	18	12	3	2,5		,86	
1837	33,55	36,57	62	18	44					5,5	3	13	8,5	13	17	1,5	2	,5	,91	
1838	31,81	33,45	56	10	46				2,5	5,5	1	5,5	15,5	12	18	2,5	1,5		,57	
1839	48,61	45,09	72	25	47				1	9	2,5	6	11,5	18,5	11,5	5			1,53	
1840	39,49	48,31	78	20	58	,5	,5		3	11	2	5,5	7,5	18,5	11,5	6	2		2,53	
1841	31,40	42,58	69	13	56		1		3,5	10,5	2	5,5	7,5	13	17	2	3	5	2,01	
1842	39,29	46,43	77	18	59				8,5	3	2,5	7	9	15	15	6	2		,85	
1843	36,09	46,89	69	18	51		,5	,5	5,5	9	5,5	4,5	4,5	10,5	19,5	3	1		1,37	
Mean.	38,59	43,49					,59	,67	,26	3,71	5,74	4,56	6,71	7,76	14,79	15,21			1,56	
Total.						10	11,5	4,5	63	97,5	77,5	114	132	251,5	258,5				23,48	
MAY.																				
1826	59,86	61,72	88	38	50		1,5			3	3,5	6	9,5	7,5	22,5	8,5	,5			
1827	46,16	55,94	82	30	52		1	,5	,5	3	3	4,5	6,5	12	20,5	10,5	2	1		1,74
1828	57,14	59,64	78	35	43		1			2,5	7	9,5	6	6	13	18	3			2,01
1829	50,54	65,23	83	31	52		,5			1,5	4,5	11	7,5	6	22,5	8,5	4			1,85
1830	53,07	50,06	79	30	49		1			1,5	4	10	5	9,5	17	14	6,5			3,87
1831	49,62	59,73	83	27	56	3,5	1		,5	2,5	1	16	2,5	4	17,5	13,5	5	1		
1832	51,58	48,82	81	29	52	,5		,5		4	,5	9,5	7	9	18,5	12,5	5			1,96
1833	55,76	58,00	77	39	38		1			12	,5	9	4	4,5	15	16	9,5			5,28
1835	46,33	58,37	81	31	50	1		,5		2,5	4	4,5	11,5	7	21,5	9,5	3			2,47
1836	52,11	56,11	82	31	51				1,5	5,5	6	6	6,5	5,5	17	14	5			4,23
1837	46,64	49,89	79	20	59					2,5	11,5	4	6	7	13	18	6,5			1,80
1838	42,15	49,34	75	29	46					2,5	5,5	1	13,5	8,5	13	18	3		,5	2,46
1839	48,83	53,76	74	24	50	1				3	4,5	10	9	3,5	16,5	14,5	7			3,06
1840	45,12	62,88	78	29	49	,5	1,5	1		7,5	1,5	5	4	10	19	12	5	3	1	3,16
1841	39,63	58,29	81	22	59					1	5	7	11	7	17	14	6	1	1	1,96
1842	43,95	50,67	75	30	45			,5		4,5	3	3	9,5	10,5	14,5	16,5	9			3,01
1843	50,04	48,08	74	31	43		1			3	2,5	6	7	11,5	20	11	5			2,53
Mean.	49,32	55,68					,62	,47	,23	3,65	3,97	7,18	7,41	7,47	17,53	13,47				2,76
Total.						10,5	8	4	62	67,5	122	126	127	298	329					41,39

JUNE.																				
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow [Days.]	Rain gage.	
	First Half.	Second Half.																		
1826	66,31	64,01	90	40	46				6,5	5	11	1,5	6	14	16	4				
1827	64,15	61,19	90	36	54				,5	8	4	7	10,5	19,5	10,5	4				3,72
1828	66,67	75,36	90	48	42				2,5	5	15,5	7	1	20	10	2				3,95
1829	67,30	58,55	88	48	40	,5	2	,5	4	3,5	7	11	1,5	21,5	8,5	6				5,02
1830	59,15	59,82	79	46	33		1		2,5	2,5	8,5	9,5	6	14	16	13				5,50
1831	70,21	64,98	85	46	39	1,5	1	2	4,5	1	15,5	4	,5	19	11	7				
1832	60,13	63,88	83	42	41	3	1	2	,5	,5	11,5	9	3	22,5	7,5	4,5				,97
1833	54,73	59,80	84	38	46			,5	4,5	,5	6,5	10,5	7,5	16,5	13,5	7,5				2,66
1835	64,26	58,74	85	42	43			,5	3,5	2,5	8,5	11	3,5	17	13	4				5,96
1836	61,27	58,47	78	44	34				1,5	4	5,5	4	1,5	13,5	16,5	7,5				2,82
1837	61,73	58,75	83	47	36				,5	8,5	5,5	8	7,5	16	14	6				5,52
1838	62,28	66,16	86	45	41					13,5	8	6	2,5	18,5	11,5	4				6,69
1839	53,75	57,24	80	41	39				3,5	3	8,5	11,5	3,5	13,5	16,5	10				5,27
1840	56,84	62,63	85	40	45		1		4	2	8	3	12	17	13	8				4,84
1841	62,38	65,08	88	42	46				4	9	7	5	5	18,5	11,5	8				3,06
1842	53,42	61,98	74	29	45	,5	,5	,5	2,5	12,5	4,5	1,5	7,5	16	14	14		1		4,41
1843	51,94	64,56	82	32	50				2	5,5	8	7,5	6,5	17	13	9	1			5,37
Mean.	60,97	62,42				,33	,44	,35	3,53	5,03	8,41	6,88	5,03	17,29	12,71					4,38
Total.						5,5	7,5	6	60	85,5	143	117	85,5	294	216					65,76
JULY.																				
1826	69,71	65,56	90	51	39				,5	6,5	12	10	2	22	9	2				
1827	71,99	64,35	90	51	39				,5	2,5	10	4,5	13,5	21,5	9,5	4				4,34
1828	65,56	72,21	88	56	32				,5	1	16	8,5	3	15	16	4				8,61
1829	62,46	67,15	82	47	35			1	3	3	12,5	8,5	3	19	12	5				4,15
1830	64,24	75,00	90	53	37		1,5		2,5	1	15,5	6	4,5	23,5	7,5	6,5				2,91
1831	65,49	67,56	84	47	37	1			3,5	1,5	17,5	6,5	1	19	12	8,5				
1832	72,71	63,39	87	50	37	2			,5	17	5	6,5	6,5	16,5	14,5	10,5				3,66
1833	64,46	63,19	83	49	34	1			2	15	6,5	6,5	1	15	16	9,5				9,54
1835	64,02	68,52	83	49	34				1,5	2,5	12,5	13,5	1	19	12	4				2,73
1836	67,68	61,86	87	51	36				2	6,5	4,5	11,5	6,5	20,5	10,5	3,5				,86
1837	61,93	62,17	84	52	32					5,5	6,5	15	4	18	13	4,5				5,80
1838	69,93	66,75	91	51	40				3,5	5	13	5	4,5	20	11	1,5				3,32
1839	62,56	69,06	89	46	43					2,5	13,5	11,5	3,5	16,5	14,5	9				3,09
1840	64,83	67,09	89	50	39					6,5	10,5	6	8	19	12	8				4,80
1841	61,65	64,97	90	45	45				3	6	8	5	9	26	5	5				3,08
1842	63,45	64,95	89	46	43					8,5	9	5	8,5	22	9	8				3,14
1843	62,06	64,54	88	47	41				,5	5,5	6,5	11,5	7	21,5	9,5	3				1,56
Mean.	65,57	66,37				,24	,09	,06	1,24	4,00	11,74	8,22	5,41	19,65	11,35					4,11
Total.						4	1,5	1	21	67,5	199,5	139,5	92	334	193					61,59

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	63,94	66,11	89	46	43	1	2,5	1	3,5	9	5	7	2	19,5	11,5	,5			
1827	66,94	61,92	89	47	42	1	3		1	1	13,5	4	7,5	16	15	3			4,40
1828	70,96	71,20	86	56	30				,5	2,5	15,5	5	7,5	26	5	4			5,39
1829	67,63	63,80	86	46	40	2			1,5	2	10,5	12	3	24	7	3			2,48
1830	64,81	62,64	87	46	41	,5				2	9,5	3,5	15,5	21,5	9,5	4			1,84
1831	65,83	66,38	86	47	39	2			3,5	2,5	9,5	7,5	6	20	11	4,5			
1832	67,80	60,32	84	40	44	2,5	1		1,5	4	18,5	,5	3	20	11	6,5			6,45
1833	62,96	59,51	79	40	39				,5	4,5	11,5	3,5	11	17	14	8			2,92
1835	69,43	60,27	82	41	41		1			4	9	7,5	9,5	18,5	12,5	5,5			3,71
1836	58,63	57,42	74	42	32				1,5	4	6	8,5	11	16,5	14,5		3		1,48
1837	63,29	58,51	86	42	44				,5	9	8,5	9,5	8,5	17	14	4			3,79
1838	65,88	63,96	86	44	42				3	2,5	10,5	6	9	20,5	10,5	3,5			2,75
1839	60,84	63,14	82	42	40		3	,5	1,5	2	4,5	11	8,5	18	13	6			2,64
1840	62,46	67,24	85	49	36				1,5	5	12,5	9	3	16,5	14,5	10			2,71
1841	66,81	65,67	84	47	37				4,5	12	4	2	8,5	20,5	10,5	8			2,23
1842	61,86	65,14	78	44	34				7,5	10,5	5	4	4	18	13	7			4,70
1843	66,94	65,54	83	53	30				3,5	6,5	10	6,5	4,5	19,5	11,5	9			3,04
Mean.	65,12	63,46				,53	,62	,09	2,09	4,88	9,62	6,00	7,17	19,35	11,65				3,37
Total.						9	10,5	1,5	35,5	83	163,5	102	122	329	1,98				50,53

SEPTEMBER.																			
1826	63,14	52,56	82	37	45				,5	13,5	10,5	5,5		17	13	1,5			
1827	63,14	48,72	84	37	47	,5	2	,5	1	4	6,5	1	14,5	14,5	15,5	7			3,12
1828	60,26	56,56	75	45	30	,5	2	1	2,5	3,5	15	2	3,5	13	17	6			3,69
1829	53,00	49,87	82	34	48				,5	2	14,5	11	2	14,5	15,5	8			4,32
1830	59,13	50,32	79	33	46	,5			5	5	6	7	6,5	14	16	6,5			3,85
1831	59,28	51,91	76	35	41	1,5			3	1,5	14,5	3	6,5	10,5	19,5	4			
1832	53,75	57,57	77	36	41					,5	22	5,5	2	16	14	5			2,69
1833	54,38	56,31	78	36	42		,5		2	5	6,5	9	7	17,5	12,5	4			3,26
1835	54,07	47,01	80	30	50				1	3	10,5	3,5	12	14	16	3	,5		2,25
1836	56,03	51,54	75	31	44				1,5	9,5	4	8	7	15,5	14,5	3,5	1		1,24
1837	56,81	52,31	76	34	42				,5	15	2,5	6,5	5,5	16	14	5			2,43
1838	59,58	54,36	76	38	48	,5	1	,5	5,5	2	6,5	3,5	10,5	18,5	11,5	1			1,99
1839	57,95	50,47	80	28	52	1			3,5	3,5	6,5	7	8,5	14,5	15,5	7	1		3,04
1840	55,19	50,35	75	30	45	,5			1	2,5	7,5	8,5	10	18,5	11,5	9		1	2,23
1841	61,92	56,80	81	39	42				6,5	7	2,5	4,5	9,5	18	12	5			2,01
1842	58,91	47,59	74	32	42				2	4,5	4	7	12,5	12	18	11		1	4,49
1843	59,95	55,95	83	32	51	1	,5		2	8	2,5	12,5	3,5	14,5	15,5	8	1		5 71
Mean.	58,03	52,36				,35	,34	,12	2,24	5,30	8,35	6,18	7,12	15,21	14,79				3,09
Total.						6	6	2	38	90	142	105	121	258,5	251,5				46,32

OCTOBER.																			
YEARS	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	49,61	41,37	76	18	58				3	5,5	12,5	5,5	4,5	15	16	5		1	
1827	52,56	40,49	70	25	45	,5		1	2	2	15	4	6,5	11,5	19,5	6	1	1	4,92
1828	47,19	43,35	67	23	44				4	19,5	3,5	4	17,5	13,5	2	2			1,57
1829	47,55	45,06	65	24	41			1	6,5	8	8,5	6,5	,5	18	13	6			3,12
1830	49,81	44,65	68	31	37	3,5			5,5	1,5	11	4,5	5	18	13	5,5			2,32
1831	47,28	47,41	70	27	43	,5	,5		1,5	3	18,5	4	3	18,5	12,5	5	1,5		
1832	46,81	44,15	69	16	53	1	1,5		3,5	1	10	10,5	3,5	15,5	15,5	8,5			2,37
1833	47,41	38,21	68	21	47				3,5	9,5	5,5	4,5	8	6	25	6	5		3,23
1835	45,63	53,67	72	29	43				,5	11	10,5	6	3	14,5	16,5	5,5			3,26
1836	38,38	33,85	52	16	36	1			2	6	4	6,5	11,5	12,5	18,5	2	2,5		2,27
1837	39,88	40,96	70	16	54				2,5	6	5	4,5	13	12	19	7			4,29
1838	46,27	35,15	70	19	51	,5	,5	,5	,5	6,5	6	7	9,5	9	22	5	1,5	1	2,52
1839	48,32	47,28	70	19	51				5,5	2	11,5	4	8	20,5	10,5	3			1,10
1840	49,32	38,78	71	23	48	,5			4,5	4,5	5	10	6,5	15	16	9	3	1	3,22
1841	42,18	36,96	70	20	50		2,5		7,5	2		1,5	17,5	11	20	6	3	1	2,98
1842	46,06	40,58	60	30	30				7	1,5	5,5	3,5	13,5	11	20	7	1	1	1,97
1843	53,33	36,67	65	24	41	,5	1		1,5	4	7,5	13	3,5	9	22	10	3		4,48
Mean.	46,92	41,68				,47	,35	,15	3,35	4,59	9,15	5,82	7,12	13,79	17,21				2,91
Total.						8	6	2,5	57	78	155,5	99	121	234,5	292,5				43,62
NOVEMBER.																			
1826	35,95	29,55	60	14	46		1	,5	3,5	8	6,5	5,5	5	7	23	3,5	1		
1827	32,19	24,68	49	16	33	2		,5	4	1,5	8,5	1	12,5	7	23	4			3,31
1828	41,75	30,68	65	9	56				6	5	11	2,5	5,5	7	23	3	4		1,54
1829	33,30	31,25	52	12	40				,5	5,5	16,5	5,5	2	8,5	21,5	5	4		,70
1830	46,26	37,02	61	24	37				9,5	6,5	11,5	2,5	7	9,5	20,5	5,5	2,5		4,76
1831	37,01	28,89	50	12	38				3	20	4	3	7	7	23	2	5		
1832	35,70	33,39	59	11	48			,5	1	4	14,5	7	3	9	21	6	3		3,09
1833	37,41	27,58	58	16	42		1		2,5	8,5	8,5	4,5	5	10	20	1	5,5		,46
1835	41,06	28,86	70	5	65				1	7	7	5	10	10,5	19,5	2,5	2,5		1,82
1836	35,79	27,41	52	13	39					6,5	2,5	5,5	15,5	8,5	21,5	1,5	5	,5	,87
1837	32,94	35,88	64	11	53				10	1	8,5	10,5	7,5	7,5	22,5	1	2,5	,5	1,17
1838	34,47	21,03	52	—3	55				7	1,5	3,5	2	16	7	23	3	3,5		,67
1839	31,69	25,93	46	2	44				1	5	4,5	6,5	13	8	22	1	10	3	,99
1840	38,53	28,97	56	19	37				4,5	1	3	6	15,5	12	18	3	4	2	2,11
1841	35,72	25,84	65	11	54		1		8	,5		6,5	14	7,5	22,5	2	10	1	1,83
1842	36,91	22,61	52	6	46		1		6	1,5	2	10	9,5	10,5	19,5	2	7	2	,96
1843	26,79	32,92	49	12	37	1			1,5	6,5	2,5	15	3,5	7	23	1	4	2	,46
Mean.	36,09	28,97				,18	,12	,21	3,29	4,79	7,23	5,59	8,59	8,44	21,56				1,65
Total.						3	2	3,5	56	81,5	123	95	146	143,5	366,5				24,74

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	28,91	18,76	53	—	6 59				4,5	9	4	7,5	6	5	26		3		
1827	29,26	21,48	47	—	2 49		2		5	1	16,5	,5	6	5,5	25,5	2	1	1	2,60
1828	34,27	25,07	54		1 53				2	3	16	6	4	17	14	2	5		,07
1829	31,98	31,77	60		3 57	,5	2	1	12,5	5	12	5,5	2,5	15	16	4	3		1,88
1830	28,58	25,44	51		3 48	1		2	1,5	6	9,5	9	2	3	28	2	5		1,97
1831	12,59	13,10	31	—	5 36	1	1		3,5	3	16	2	4,5	7	24		10		
1832	29,69	23,73	44		4 40	1	,5		4	7	7,5	4,5	6,5	5	26	3	4,5		1,69
1833	25,39	26,78	45		7 38		3	2,5	6,5	3,5	3	3,5	9	5,5	25,5	,5	5		,70
1835	17,10	21,02	43	—	1 61				,5	10	4,5	11,5	4,5	6	25	2	4		,97
1836	29,28	17,52	46	—	7 53					8	4	3,5	15,5	7	24	,5	4		,23
1837	26,31	21,37	55		0 55				3	5	3,5	7	12,5	5,5	25,5	,5	7	,5	2,16
1838	21,53	14,31	47	—	2 49					2	9	3,5	16,5	7	24		9		,55
1839	30,07	15,87	44		4 40		1		8	2	1	,5	18,5	8,5	22,5	1	14	1	1,08
1840	23,62	16,14	41	—	6 47	,5	1,5	,5	5	3,5	1,5	2,5	16	7	24	2	10	2	1,89
1841	32,09	16,81	46	—	4 50	,5	1,5	1	8	1	1	4,5	13,5	3	28	5	6	2	1,59
1842	23,99	19,17	40		6 34				8	5	1	2	15	4	27		10	1	,71
1843	28,11	29,82	42		5 37					5,5	10	12	3,5	7,5	23,5	4	9		,56
Mean.	26,63	21,07				,26	,74	,40	3,65	4,68	7,06	5,03	9,18	6,97	24,03				1,24
Total.						4,5	12,5	7	62	79,5	120	85,5	156	118,5	408,5				18,65

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, Monthly mean.	
	First Half.	Seco'd Half.																					
January, --	22,65	19,23	59	—18	77	,14	,82	,17	8,85	5,11	5,91	6,38	9,12	8 69° 30' W	50	14,94	8,41	22,59				1,87	28,02
February, --	18,16	23,63	56	—16	72	,24	,15	,23	3,03	3,77	6,38	7,15	7,29	8 79 50 W	55	16,65	8,85	19,38				1,30	19,56
March, ---	26,97	32,59	72	—8	80	,47	,21	,21	3,73	5,18	6,76	6,68	7,76	8 65 03 W	51	15,39	13,00	18,00				1,19	17,90
April, ----	35,59	49,49	83	11	72	,59	6,76	,26	3,71	5,74	4,53	6,71	7,76	8 84 19 W	26	7,83	14,79	15,21				1,56	23,48
May, -----	49,32	55,03	83	20	63	,62	,47	,23	3,65	3,97	7,18	7,41	7,47	8 69 46 W	50	15,24	17,53	18,47				2,76	41,39
June, -----	60,97	62,42	90	29	61	,33	,44	,33	3,53	5,03	8,41	6,88	5,03	8 55 04 W	54	16,13	17,29	12,71				4,88	65,76
July, -----	65,57	66,37	91	45	46	,24	,09	,06	1,24	4,00	11,74	8,22	5,41	8 64 53 W	71	21,37	19,65	11,35				4,11	61,59
August, ----	65,12	63,46	89	40	49	,53	,62	,09	2,09	4,83	9,62	6,00	7,17	8 65 55 W	58	17,39	19,35	11,65				8,87	50,53
September, --	53,08	52,36	84	28	56	,85	,34	,12	2,24	5,30	8,35	6,18	7,12	8 66 05 W	59	17,71	15,21	14,79				8,09	46,32
October, ---	46,92	41,63	76	16	60	,47	,35	,15	3,35	4,59	9,15	5,82	7,12	8 62 10 W	43	13,08	18,79	17,21				2,91	43,62
November, ---	36,09	29,97	70	—8	73	,18	,12	,21	3,29	4,79	7,23	5,59	8,59	8 67 25 W	51	15,47	8,44	21,56				1,65	24,74
December, --	26,63	21,07	60	—18	78	,26	,74	,40	8,65	4,68	7,06	5,03	9,18	8 69 13 W	47	14,04	6,97	24,03				1,24	18,65
Mean. ----	42,92	43,03				,37	,88	,19	8,11	4,75	7,69	6,50	7,42	8 66° 34' W	51	15,44	13,61	6,83				2,45	36,79

Highest degree, July 4, 1838, - - - - - 91°
 Lowest degree, January 1, 1840, and December 16, 1835, - - - - - 18°
 Extreme range in 17 years, - - - - - 109°
 Greatest monthly range in September.
 Least monthly range in July.

Mean monthly range, 66°.
 Driest month, March.
 Wettest month, June.
 Total fall of rain and snow in 15 years, 86 feet 9,56 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1826	20,81	24,36	31,91	36,18	60,79	65,16	67,65	65,02	57,85	45,48	32,75	23,83	45,97	90	-13	103	63	January 31,	July 11,	September 16,	October 24,
1827	18,30	25,03	30,91	45,11	51,05	62,66	68,17	64,42	55,98	46,52	28,43	25,37	43,50	90	-14	104	57	January 20,	July 12,	September 29,	October 25,
1828	26,32	30,90	34,85	37,44	58,39	71,01	68,88	71,18	58,41	45,27	36,21	29,67	47,33	90	-1	89		January 3,	June 17,	September 27,	November 8,
1829	20,09	16,60	27,28	41,65	57,88	62,92	64,50	65,71	51,43	46,30	32,27	31,7	43,23	88	-11	99	57	January 8,	June 21,	September 18,	November 8,
1830	18,13	21,52	32,54	43,75	51,56	59,48	69,62	68,72	51,72	47,23	41,64	27,01	44,68	90	-11	101	64	January 8,	July 10,	September 15,	November 6,
1831	15,26	18,05	35,18	42,96	54,67	67,59	66,52	66,10	55,59	47,34	32,95	12,54	43,08	85	-15	90	58	December 22,	June 1,	October 11,	October 27,
1832	21,90	21,42	31,58	39,27	50,20	62,09	68,05	64,06	55,66	45,48	34,54	26,71	43,40	87	-16	103	69	January 26,	July 21,	October 15,	October 27,
1833	25,66	19,74	29,38	46,75	56,88	57,26	63,82	61,23	55,74	48,81	32,49	26,08	43,12	84	-9	93	50	March 2,	July 18,	September 14,	October 30,
1835	22,73	17,54	29,56	40,75	52,35	61,50	66,27	64,85	50,54	49,65	34,96	19,06	42,16	85	-18	103	72	December 16,	July 15,	September 5,	September 28,
1836	20,75	15,68	24,87	39,21	54,11	59,57	64,77	53,02	53,73	36,11	31,60	23,40	40,18	87	-16	103	61	February 4,	July 8,	September 5,	September 28,
1837	15,54	19,32	25,63	35,06	48,26	60,24	62,05	60,90	54,56	40,42	31,41	23,54	40,02	86	-19	96	59	January 2,	August 2,	October 4,	November 7,
1838	21,40	10,41	32,21	32,63	45,75	61,22	65,34	64,82	56,97	40,71	27,75	17,92	40,27	91	-12	103	67	January 31,	July 4,	September 3,	October 13,
1839	20,44	25,22	28,12	46,85	51,29	55,49	65,81	61,99	54,21	47,89	28,31	22,97	42,41	89	-18	102	68	January 23,	July 27,	September 27,	September 27,
1840	13,36	25,25	31,35	43,90	54,00	59,73	65,96	64,85	52,77	44,05	33,75	19,85	42,65	89	-18	107	64	January 1,	July 16,	September 22,	October 25,
1841	23,52	20,20	27,39	36,99	48,96	63,98	68,31	66,24	53,36	39,57	30,73	24,45	42,13	90	-5	95	63	January 3,	July 24,	October 2,	October 21,
1842	23,68	23,33	34,02	42,86	47,31	57,70	64,20	63,50	53,25	43,32	29,76	21,58	42,29	89	-9	98	60	January 13,	July 23,	September 23,	October 26,
1843	27,81	14,36	19,43	41,49	49,06	58,25	63,89	66,24	57,95	45,00	28,85	28,96	41,72	88	-8	96	51	February 17,	July 1,	September 27,	September 27,
Mean.	20,94	20,72	29,78	41,05	52,50	61,71	65,97	64,29	55,19	44,65	32,47	23,85	42,83								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]					
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	
1826	5,5	4,5	1,5	32	83	95	91,5	52	S 53° 30' W	59	214,15	164	201	28,5	10	1	
1827	5,5	9	2,5	31	48,5	93	63,5	112	S 75° 45' W	50	183,36	155,5	209,5	41	17	2	
1828	1,5	5	2,5	33,5	50	134	59,5	78	S 52° 12' W	39	143,95	174	192	41	20	6	
1829	5,5	5	4,5	29,5	49,5	137	93	41	S 50° 06' W	36	130,40	181,5	183,5	46	23		
1830	9,5	7	2,5	44	42,5	115	68,5	76	S 62° 14' W	51	186,80	179	186	58,5	24		
1831	16,5	6	4,5	43,5	24	168	52	50	S 54° 49' W	56	203,82	166	209	46,5	35		
1832	12,5	7	3	29	23	149	94	48,5	S 67° 02' W	61	222,88	169	197	62,5	29		
1833	3	6,5	4	48	47	104,5	71,5	80,5	S 62° 00' W	53	192,38	155,5	209,5	55	33,5		
1835	4	3,5	,5	19	67,5	97	104,5	69	S 65° 21' W	61	225,95	170,6	194,5	34	23,5	2	
1836	1		1,5	42,5	79	55	86	100	S 73° 11' W	53	192,70	158,5	207,5	32,5	29	,5	
1837	2		,5	12	98,5	45	93	114	S 74° 00' W	59	208,80	150,5	214,5	38,5	24,5	2	
1838	1	3	2,5	34	60,5	69,5	71	123,5	S 79° 34' W	52	188,80	162	203	26	34	1,5	
1839	2	4	1	41,5	41	83,5	82,5	109,5	S 75° 45' W	52	191,48	170	195	51	43	11	
1840	2,5	6	1,5	40	58,5	58	76,5	123	S 79° 16' W	49	177,65	167,5	198,5	70	37	10	
1841	,5	6	4,5	60	61,5	47,5	58,5	126,5	S 88° 33' W	43	167,72	164	201	50	44	12	
1842	,5	,5	2,5	62,5	66,5	49	61	122,5	S 66° 50' W	40	147,08	149	216	71	39	13	
1843	3	3	1	34	64	59,5	113,5	87	S 71° 32' W	59	200,36	149,5	215,5	58	45	6	
Mean.	4,47	4,47	2,38	37,47	56,73	91,74	7,82	88,88	S 66° 66' W	52	190,86	163,39	201,97				
Total.	76	76	40,5	637	964,5	1559,5	1340	1513				2776	3433				

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1827	4.75	2.69	1.95	2.20	1.74	3.72	4.34	4.40	3.12	4.92	8.31	2.60	39.13	March.	October.
1828	1.42	1.63	1.36	2.12	2.01	3.95	8.61	5.39	3.69	1.57	1.54	.97	33.17	December.	July.
1829	.80	.55	.10	2.26	1.85	5.02	4.15	2.44	4.32	3.12	.70	1.88	27.23	March.	June.
1830	.40	.90	.94	1.70	3.87	5.50	2.91	1.84	8.85	2.32	4.76	1.97	30.06	February.	June.
1831	.30	2.00	.05	1.21	1.96	.97	3.66	6.43	2.60	2.37	3.09	1.69	26.44	March.	August.
1832	.49	.18	.18	1.24	5.24	2.66	2.54	2.92	3.26	3.23	.46	.70	30.14	Feb. & March.	July.
1833	2.04	3.05	2.95	2.06	2.47	2.96	2.73	3.71	2.25	3.26	1.82	.97	33.27	December.	June.
1834	6.65	1.23	.74	.86	4.23	2.82	.86	1.48	1.24	2.27	.57	.23	23.84	December.	January.
1835	.79	1.03	.61	.91	1.50	5.52	5.80	3.79	3.23	4.29	1.17	2.16	30.30	March.	July.
1836	.75	.64	.30	.57	2.46	6.60	3.32	2.75	1.99	2.52	.67	.55	23.21	March.	June.
1837	2.02	.45	1.27	1.53	3.06	5.27	3.09	2.64	3.04	1.10	.99	1.02	25.54	February.	June.
1838	1.20	2.64	1.46	2.53	3.16	4.84	4.80	2.71	2.23	3.22	2.11	1.89	32.79	January.	June.
1839	1.64	.33	2.56	2.01	1.96	3.06	3.03	2.23	2.01	2.93	1.83	1.59	25.28	February.	July.
1840	1.45	1.71	2.44	.85	3.01	4.41	3.14	4.70	4.49	1.97	.96	.71	29.84	December.	August.
1841	3.32	1.38	1.60	1.37	2.53	5.37	1.56	3.04	5.71	4.43	.46	.56	31.38	November.	September.
Mean.	1.87	1.30	1.19	1.56	2.76	4.88	4.11	3.37	3.09	2.90	1.65	1.24	29.46		
Total.	28.02	19.56	17.90	23.48	41.39	65.76	61.59	50.53	46.32	43.62	24.74	18.65	441.92		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1826	9	31	25	1	9	16	18	11	15	6	7	13	12	24	20	7	2	16	6	27	16	20	16	27
1827	27	20	23	11	26	3	10	25	27	1	13	1	2	25	5	13	5	16	9	26	3	26	14	22
1828	7	23	7	12	29	4	24	7	29	8	27	9	22	4	30	18	1	8	10	15	4	17	3	30
1829	26	3	8	12	29	14	19	6	27	10	7	30	11	1	8	25	1	22	25	21	22	24	7	3
1830	15	30	20	6	30	9	3	30	4	7	16	8	21	9	7	25	24	17	27	3	9	26	25	21
1831	4	23	28	5	23	17	18	9	31	9	10	23	4	10	21	28	10	30	2	28	10	29	24	22
1832	18	9	2	24	24	14	26	5	14	5	25	6	1	13	14	25	19	25	19	28	4	15	31	22
1833	4	11	17	24	21	2	29	14	18	4	23	3	21	28	21	29	4	13	16	30	8	4	25	14
1834	13	7	22	3	26	3	10	14	19	8	12	20	18	1	13	4	5	30	18	25	4	29	26	16
1835	5	28	23	4	28	2	29	11	12	13	18	12	8	26	7	30	13	29	2	26	11	25	10	27
1836	31	2	15	13	7	1	29	4	31	1	30	21	14	25	2	23	10	20	23	29	21	25	2	22
1837	4	31	8	14	23	1	28	16	21	1	16	1	4	21	24	26	9	23	2	31	4	24	5	16
1838	11	23	24	5	28	3	6	17	21	4	8	1	27	4	20	29	4	27	27	20	14	26	6	31
1839	30	1	20	4	3	11	25	7	18	5	29	7	16	1	21	9	9	21	2	26	3	27	9	25
1840	7	3	27	11	25	5	25	11	22	3	30	8	24	3	17	22	3	30	30	25	11	27	10	22
1841	19	13	3	17	4	12	22	1	18	9	30	11	23	31	27	1	2	22	1	27	1	29	4	23
1842	21	3	19	17	28	5	21	1	14	31	27	1	1	3	31	20	2	27	6	26	17	14	22	12

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1826	49	-13	51	-12	68	6	71	11	88	38	90	44	90	51	89	46	82	37	76	18	60	14	53	-6
1827	38	-14	44	-5	64	7	70	27	82	30	90	36	90	51	89	47	84	37	70	25	49	16	47	-2
1828	48	2	55	2	72	4	58	15	78	35	90	48	88	56	86	56	75	45	67	23	65	9	54	1
1829	42	-11	48	0	59	8	71	25	83	31	88	48	82	47	86	46	82	34	65	24	52	12	60	3
1830	43	-11	47	-7	69	5	83	27	79	30	79	46	90	53	87	46	79	33	68	31	61	24	51	3
1831	51	-5	46	-5	65	7	69	19	83	27	85	46	84	47	86	47	76	35	70	27	50	12	31	-5
1832	53	-16	52	-15	67	-1	73	14	81	29	83	42	87	50	84	40	77	36	69	16	59	11	44	4
1833	59	-9	45	-7	71	-8	78	17	77	39	84	38	83	49	70	40	78	36	68	21	58	16	45	7
1835	55	-17	47	-5	58	-3	74	21	81	31	85	42	83	49	82	41	80	30	72	29	70	5	43	-18
1836	42	-6	48	-16	59	-3	74	17	82	31	78	44	87	51	74	42	75	31	52	16	52	13	46	-7
1837	41	-10	44	-10	53	-4	62	18	79	20	83	47	84	52	86	42	76	34	70	16	64	11	55	0
1838	55	-12	42	-8	57	9	56	10	75	29	86	45	91	51	86	44	76	38	70	19	52	-3	47	-2
1839	48	-13	48	-2	65	-3	72	25	74	24	80	41	89	46	82	42	80	28	70	19	46	2	44	4
1840	46	-18	53	-10	60	0	78	20	78	29	85	40	89	50	85	49	75	30	71	23	56	19	41	-6
1841	49	-5	42	-3	60	-3	69	13	81	22	88	42	90	45	84	47	81	39	70	20	65	11	46	-4
1842	49	-9	56	0	64	4	77	18	75	30	74	29	89	46	78	44	74	32	60	30	52	6	40	6
1843	51	0	32	-8	47	1	69	18	74	31	82	32	88	47	83	53	83	32	65	24	49	12	42	5
Highest.	59		56		72		83		88		90		91		89		84		76		70		60	
Lowest.		-18		-16		-8		10		20		29		45		40		28		16		-3		-18
Range.		77		72		80		73		68		61		46		49		56		60		73		78

SUMMARY OF OBSERVATIONS AT REDHOOK ACADEMY,

REDHOOK, DUTCHESS COUNTY, N. Y., DURING TWELVE YEARS.

Latitude N. 42° 02'; Longitude W. 73° 56'. On the east side of the valley of the Hudson, in the village of Upper Redhook.

OBSERVERS.

1830 to 1833, inclusive, LYMAN THOMPSON, Principal.

1834, (except rain gage,) JOHN HALL, Principal.

1835, (except rain gage,) J. O. NORTON, Principal.

1836, STEPHEN REED, Principal, J. O. NORTON and L. C. HOLCOMB.

1837, STEPHEN REED, Principal.

1839, GEO. W. SCHENCK, Principal.

1840, G. W. SCHENCK and R. W. SMITH, Principals, and E. M. SMITH, Student.

1841, ROBERT W. SMITH, Principal.

1842, OVEL COOK, Jr., Principal, and DAVID E. SMITH, Student.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	29,18	17,71	41	— 6	47	4	4,5			15	1,5	1,5	4,5	19,5	11,5	1	2		1,74
1831	25,28	15,69	57	— 9	66	9,5	11	1,5	2	2,5			4,5	21,5	9,5	2	3,5		2,80
1832	28,16	23,42	54	— 4	58	15				13	,5	1,5	1	19,5	11,5	,5	1,5	1	2,16
1833	40,38	27,82	65	— 4	69	10,5	1	1	2	16			,5	23,5	7,5	1	1,5		1,74
1834	22,70	22,00	46	— 2	44	14	3,5	1		11,5		1		19,5	11,5	4	1,5		
1835	7,17	35,61	47	— 28	75	16,5	4,5			9,5	,5			22	9	3			
1836	30,21	18,55	37	— 4	41	8,5	2,5	4	9	6			1	17	14		4	,5	6,14
1837	17,66	21,22	38	— 8	46	14	1,5	5,5	1,5	7,5			1	24,5	6,5		4		3,56
1839	24,45	19,83	56	— 10	66	5,5	4,5	,5	,5	10,5	4,5	3	2	18	13	1,5	1,5		1,51
1840	16,37	20,26	44	— 0	44	8,5	4			15		1,5	2	15,5	15,5	2	5		1,10
1841	26,71	31,10	50	— 10	60	3	3,5		3	17,5		3	1	12,5	18,5	6	7		5,20
1842	26,16	33,28	50	— 2	52	6	1	,5	,5	19	1		3	13,5	17,5	1	4	1	1,23
Mean.	24,54	23,87				9,58	3,47	1,17	1,54	11,92	,66	,97	1,69	18,87	12,13				2,72
Total.						115	41,5	14	18,5	143	8	11,5	20,5	226,5	145,5				27,18

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	13,32	34,56	59	—10	69	11,5	2,5		,5	7,5		3	3	20,5	7,5	,5	,5		1,16
1831	16,03	25,05	45	—8	53	4	8,5	1	2,5	6		2	4	20,5	7,5	2	,5	,5	1,27
1832	26,12	22,21	46	—8	54	10,5	3,5	1,5	1	11,5			1	17,5	11,5	2	5,5		1,39
1833	21,50	26,71	44	—5	49	15,5	3			9,5				24,5	3,5	,5	1,5	,5	1,73
1834	29,55	32,59	46	—3	43	13,5	2		,5	10	,5	1,5		25	3				
1835	19,99	26,65	47	—8	55	13,5	1,5	1		11		1		9,5	18,5		1		
1836	16,61	19,41	47	—16	63	12	3,5	3	4	5	,5		1	17	12	1	7		2,62
1837	24,45	31,28	48	—4	52	5,5	1	1,5	1	7,5	3	2,5	6	21,5	6,5		3,5	,5	1,40
1839	20,27	34,68	46	—0	46	1	,5	1		13,5	5,5	5,5	1	12,5	15,5	3	2		1,12
1840	28,21	41,64	65	—2	67	8,5		1		16	,5	,5	2,5	15	14	3	1		1,37
1841	20,62	21,97	53	—4	57	3,5	2		3,5	13,5	1,5	1,5	2,5	18	10	1	5		1,00
1842	39,61	32,06	64	—10	54	3	3	1,5		15,5	2		3	15,5	12,5	4	1	3	2,36
Mean.	23,02	29,07				8,50	2,58	,96	1,08	10,54	1,12	1,46	2,00	18,08	10,16				1,54
Total.						101	31	11,5	13	126,5	13,5	17,5	24	217	122				15,42

MARCH.

1830	32,53	41,84	64	—14	50	9	3,5		,5	12	,5	3	2,5	19	12	5	2	,5	4,62
1831	38,64	41,89	65	—20	45	5,5	4,5	,5	3	14,5	,5	,5	2	15	16	4	1		2,95
1832	34,99	37,01	70	—9	61	11,5	1			18,5				25	6	3	,5	1,5	4,14
1833	23,79	39,85	67	—2	65	10	2,5	2		14,5		2		25	6	3	,5		1,61
1834	29,58	39,55	50	—16	34	9	,5		2,5	16,5	1		1,5	17,5	13,5	3			
1835	28,95	35,86	60	—4	56	12,5	2,5	2,5		10		2,5	1	15,5	15,5	,5	3,5		
1836	30,54	26,91	49	—1	50	5	5	1	4,5	12,5	1	1	1	20,5	10,5	1,5	1,5		,87
1837	28,88	37,25	54	—2	52	17	1		1,5	11,5				20,5	10,5	4			5,35
1839	31,82	41,91	72	—10	62	4,5	1		1	12,5	1,5	2	8,5	21	10	1		,5	,65
1840	40,65	39,97	69	—18	51	10,5	1	1		12,5		5	1	17,5	13,5	2	4		,52
1841	31,39	39,93	56	—8	48	12	5,5	,5	,5	9,5		3		19	12	2	6		1,94
1842	34,59	33,45	64	—4	60				4,5	6	8,5	4,5	7,5	10,5	20,5	4	3	2	1,64
Mean.	32,19	37,95				8,88	2,33	,63	1,50	2,54	1,08	1,71	2,33	18,83	12,17				2,43
Total.						106,5	28	7,5	18	150,5	13	20,5	28	226	146				24,29

APRIL.

1830	44,47	57,73	82	—33	49	11	6	1	1	7	1,5	1,5	1	22	8	5,5			3,44
1831	48,06	53,68	75	—30	45	9	3,5	1,5	1	11	1	2	1	12	18	5,5	,5	5	5,59
1832	41,71	52,88	80	—19	61	15	2	2		11				19,5	10,5	5,5		1	3,16
1833	40,52	55,88	86	—26	60	7	2	,5	1	19	,5			27	3				,00
1834	52,76	45,95	84	—30	54	10,5	,5		1,5	13	2	2,5		18	12	5	,5		
1835	52,75	43,55	78	—28	50	1,5	3	3,5	1,5	2	4,5	8	6	18	12	3	2,5		
1836	49,51	43,06	74	—18	56	8,5	1	3,5	5	10	,5		1,5	24,5	5,5	2,5	2		2,28
1837	42,88	47,22	70	—30	40	16	2		2	5	3,5	,5	1	25,5	4,5	3			5,45
1839	53,31	52,91	73	—34	44	6	2,5	2	1	5	3,5	5	5	19	11	4			2,60
1840	50,71	58,69	83	—34	49	8,5				18			3,5	21,5	8,5	,5			2,65
1841	39,66	51,28	68	—27	31	13	1	1		10,5		,5	4	13	17	11	2		3,11
1842	49,17	52,25	90	—26	64	12	3		1	13	,5	,5		14,5	15,5	10			3,37
Mean.	47,13	51,26				9,82	2,21	1,25	1,25	10,37	1,46	1,71	1,93	19,54	10,46				3,16
Total.						118	26,5	15	15	124,5	17,5	20,5	23	234,5	125,5				31,65

MAY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	54,57	50,06	79	30	49		1		1,5	4	10	5	9,5	17	14	6,5			4,81
1831	57,35	72,34	88	42	46	8,5	4	2	4,5	10		,5	1,5	19,5	11,5	4,5	,5	,5	3,92
1832	58,65	54,41	81	40	41	17		1		10			2	19,5	11,5	5			1,28
1833	57,10	61,74	82	34	48	5	3,5	,5		16	3,5		2,5	17	14	8,5			4,47
1834	49,62	57,68	92	15	77	9	2	1,5	2	12,5	1,5	1	1,5	16	15	3			
1835	49,29	65,10	92	33	59	7,5	5		7	6	1,5	1,5	2,5	18	13	5			
1836	58,91	63,77	86	36	50	3,5	5,5	2	8,5	9			2,5	18,5	12,5	5,5			1,26
1837	51,00	59,19	84	28	56	3	,5	3,5	5	13,5	,5	1	4	23	8	12			6,01
1839	52,13	61,53	88	34	54	4	3,5	1	,5	5	2	11,5	3,5	15,5	15,5	14			4,90
1840	60,53	71,67	91	40	51	11	3		2,5	12	1,5		1	19	12	4			1,42
1841	52,26	66,19	85	32	53	11		1		13	,5	3	2,5	17,5	13,5	10	1	1	1,43
1842	56,99	53,85	86	39	47	6				22		1	2	12,5	18,5	8			1,40
Mean.	54,87	61,46				7,12	2,38	1,04	2,67	11,08	1,75	2,04	2,92	17,75	13,25				3,09
Total.						85,5	28,5	12,5	32	133	21	24,5	35	213	153				30,90

JUNE.

1830	63,52	67,20	88	46	42	3	3	8	1,5	9,5	2	2	1	19,5	10,5	8		,5	7,10
1831	74,85	69,99	89	50	39	7	2	3	2,5	13	1,5	1		20,5	9,5	7		,5	8,50
1832	63,48	69,76	94	46	48	8	5	1,5		13	,5		2	24	6	1,5			2,57
1833	60,00	62,40	80	43	37	15,5		3,5	,5	10,5				23	7	5			3,11
1834	64,39	65,66	92	46	46	12	1	3,5	,5	12		1		14	16	4			
1835	68,80	64,74	95	42	53	5	,5	1,5	4,5	11,5	2	2	3	18,5	11,5	6,5			
1836	66,44	64,51	84	49	35	1,5	9,5	7	6	2	1,5		2,5	11,5	18,5	9,5			2,70
1837	66,64	65,73	88	52	36	6	,5	6	7,5	8	2			19	11	15,5			7,16
1839	62,33	65,93	78	51	27	7		1,5	2,5	12	1,5	3	2,5	18,5	11,5	5			3,06
1840	68,04	74,98	97	48	49	6,5	7,5	,5	1	9	3,5	1	1	19,5	10,5	4			1,61
1841	72,50	72,65	94	55	39	4,5	1	1	1	21	1		,5	16,5	13,5	5			2,43
1842	62,26	71,53	86	42	44	4				22,5			3,5	16	14	10			3,28
Mean.	66,10	67,92				6,67	2,50	3,08	2,29	12,00	1,29	,83	1,34	18,37	11,63				4,15
Total.						80	30	37	27,5	144	15,5	10	16	220,5	139,5				41,52

JULY.

1830	71,92	78,32	90	62	28	5	5	2,5	1	14	1,5	1,5	,5	23	8	6			4,73
1831	70,98	74,05	88	54	34	3,5	1	3	,5	17,5	3,5	1	1	22,5	8,5	7,5			3,92
1832	69,43	69,17	92	54	38	8		3		17	1	1,5	,5	11	20	9			6,82
1833	68,64	67,35	92	48	44	12,5	1,5	2,5	4,5	9,5			,5	25,5	5,5	4,5			2,07
1834	74,50	75,19	96	52	44	10		3,5	,5	14		2,5		21	10				
1835	67,61	72,62	98	33	65	4	3,5	2	5	13,5	2		1	19	12	11			
1836	74,17	64,15	93	51	42		8	1	12	6,5	2,5		1	21	10	6,5			2,91
1837	66,49	66,85	90	54	36	7	1	2	12	6	2		1	22	9	10			6,52
1839	69,69	75,55	88	60	28	3	,5		1	17,5	6,5	2,5		18,5	12,5	6			6,55
1840	76,71	79,96	96	62	34	11	,5	,5	1	16			2	20	11	4			2,50
1841	74,06	75,94	98	58	40	9	1		1	17,5	1		1,5	25	6	5			3,69
1842	74,49	75,86	90	60	30	8				19	,5	1,5	2	19	12	10			2,90
Mean.	71,56	72,92				6,75	1,87	1,67	3,21	14,00	1,71	,87	,92	20,62	10,38				4,26
Total.						81	22,5	20	38,5	168	20,5	10,5	11	247,5	124,5				42,61

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	72,99	71,70	88	60	28	6,5	5,5	4	1,5	9,5	1		3	21,5	9,5	1,5			,75
1831	71,69	72,76	90	54	36	14	3,5	3,5		8,5		1	,5	22,5	8,5	7			6,27
1832	70,17	63,93	86	46	40	6,5	5	1,5	,5	15,5			2	24,5	6,5	5			5,04
1833	61,15	56,64	82	40	42	8,5	1,5	3	4	13		1		24,5	6,5	5			,90
1834	75,46	67,70	93	49	43	15,5		4,5	,5	9,5		1		20,5	10,5				
1835	67,33	66,95	90	41	49	4,5	1	3	1,5	18	1		2	17,5	13,5	6			
1836	64,66	64,16	80	46	34	1	4,5	1,5	12	3	5,5		3,5	24	7	3			1,94
1837	67,51	64,81	84	48	36	8,5	5,5	5	4	4	2	,5	1,5	23	8	7			2,74
1839	68,88	68,08	80	50	30	13,5				13		1,5	3	20	11	3,5			2,20
1840	73,53	77,76	90	60	30	7		1	2,5	18,5	,5		1,5	19,5	11,5	4			,97
1841	70,18	65,62	91	60	31	5,5	1			18	1	1,5	4	18	13	9			2,95
1842	71,33	71,74	85	56	29	5	3		3,5	19		,5		15,5	15,5	13			5,88
Mean.	69,57	67,65				8,00	2,54	2,25	2,50	12,46	,92	,58	1,75	20,92	10,08				2,96
Total.						96	30,5	27	30	149,5	11	7	21	251	121				29,64
SEPTEMBER.																			
1830	66,42	58,47	74	41	33	9,5	5	1,5	2,5	9,5	,5	1	,5	20	10	3,5			1,41
1831	67,29	60,45	83	48	35	8,5	4	3	1	13	,5			20	10	5			4,47
1832	58,82	63,48	81	41	40	13		1	3,5	10	,5	1,5	,5	22	8	5			1,88
1833	55,11	55,31	82	38	44	9	2	3,5	1,5	9	1	1,5	2,5	22,5	7,5	3,5			3,53
1834	64,91	61,38	90	30	60	5	1,5	,5	2	15	2	3	1	16	14	2			
1835	58,97	50,97	91	31	60	7,5	1	3,5	3	11,5	1,5	1,5	,5	19,5	10,5	4			
1836	63,77	61,36	90	34	56	2	5	2	12,5	1	6		1,5	15	15	6,5			2,08
1837	61,65	57,86	80	32	48	5,5	1	1	13	4		1	4,5	24,5	5,5	3			1,53
1839	65,01	59,82	78	43	35	4	1			14,5	1	8	1,5	21	9	5,5			3,37
1840	67,66	59,86	81	43	38	8	1	,5	3,5	17				19	11	5			3,05
1841	72,73	65,94	88	50	38	9,5	2	,5	1	15	,5	1,5		16	14	4			,93
1842	67,17	53,24	90	38	52	9		2	2,5	15			1,5	10	20	7			3,83
Mean.	64,13	59,01				7,54	1,96	1,58	3,83	11,21	1,12	1,58	1,18	18,79	11,21				2,61
Total.						90,5	23,5	19	46	134,5	13,5	19	14	225,5	134,5				26,08
OCTOBER.																			
1830	53,67	50,30	78	32	46	8	4	2	1,5	12	2	1,5		23	8	4			2,74
1831	53,09	54,00	76	32	44	9	4	,5	1,5	15		,5	,5	22	9	4			6,32
1832	53,30	46,18	68	30	38	16	,5	1	4	9,5				23	8	3,5			5,46
1833	49,63	43,43	72	30	42	19	2	1	,5	4		1,5	3	19	12	3			1,92
1834	54,56	42,77	74	24	50	14	,5	1		14	,5	1		14	17	4,5	,5		
1835	49,25	58,71	82	24	58	2	2,5	6	5,5	15				19,5	11,5	3			
1836	47,64	41,67	65	24	41	2	6,5	,5	8	6	3	1,5	3,5	17	14	3,5	,5		1,19
1837	49,19	49,99	76	26	50	11,5	4	,5	6	8,5			,5	25	6	4			2,26
1839	58,43	54,89	68	35	33	14,5				11,5		5		22	9	2,5			,74
1840	57,09	46,12	74	30	44	12	3			13	,5		2,5	17,5	13,5	10			4,55
1841	51,09	45,43	73	31	42	12	2,5		,5	11	2	2	1	14	17	5			1,77
1842	54,41	45,51	72	32	40	6,5	1	2,5	1,5	15		2	2,5	16	15	4			2,00
Mean.	52,61	48,25				10,54	2,54	1,25	2,42	11,21	,67	1,25	1,12	19,33	11,67				2,89
Total.						126,5	30,5	15	29	134,5	8	15	13,5	232	140				28,95

NOVEMBER.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	48,18	42,66	67	31	36	15	6,5	,5	1	6,5			1	11,5	18,5	7		2	6,12
1831	43,44	35,72	58	20	38	16,5	1		1,5	7,5	1	,5	2	21	9	1,5	1,5		1,80
1832	42,95	38,46	59	20	39	12				18				16	14	3			2,47
1833	36,34	32,24	50	20	30	19	3		,5	6,5		,5	,5	23	7	1,5	,5		1,33
1834	42,61	42,31	60	17	43	15,5	1		1,5	6	1	2,5	2,5	11	19	2	,5		
1835	45,69	33,69	78	10	68	8	2		3,5	13	,5	,5	,5	11,5	18,5	6,5	1,5		
1836	42,49	37,05	64	20	44	7	2,5	1,5	8	3	3		5	13,5	16,5	4	,5		1,77
1837	40,46	39,12	68	6	62	10		,5	4	9,5	1	5		24,5	5,5	6			1,40
1839	36,65	32,83	44	18	26	11				1,5	1	7	9,5	19,5	10,5	2	,5	1	2,21
1840	45,44	36,92	59	30	29	19,5	2			7,5			1	15	15	5	1		2,80
1841	42,20	32,68	72	18	54	7,5	5			10	1	1	5,5	8,5	21,5	4	4,5		3,04
1842	40,62	29,30	60	12	48	12	1			13	1	,5	2,5	10,5	19,5	3	3	1	2,33
Mean.	42,25	36,08				12,75	2,00	,37	1,67	8,46	,79	1,46	2,50	15,46	14,54				2,53
Total.						153	24	4,5	20	101,5	9,5	17,5	30	185,5	174,5				25,27

DECEMBER.

1830	34,08	32,47	55	-8	63	6,5	5,5	,5	1,5	10	1,5	3	2,5	12	19	6,5	3	,5	4,38
1831	15,18	16,12	38	-7	45	14,5	4	3		4,5		2	3	22	9	1	3,5		,42
1832	34,21	26,95	50	10	40	18,5		4		8	,5			19,5	11,5	1,5	1,5		2,17
1833	29,37	30,06	40	13	27	11,5	8,5	3,5		6			1,5	18,5	12,5	1	2	2	3,51
1834	31,81	21,00	50	-6	56	14,5	2,5	1		6,5	1,5	1	4	6,5	24,5	2	2,5		
1835	21,07	22,99	42	-8	50	8,5	2	1,5	5	12,5	,5		1	15,5	15,5	2	1		
1836	33,24	23,25	56	3	53	1,5	1	1	2,5	1	12	5,5	6,5	4,5	26,5	1	3,5		3,90
1837	32,48	24,06	60	-4	64	13	1	1	6	8,5	,5		1	21	10	2	2		1,05
1839	35,82	20,60	48	9	39	18,5	2,5			6,5		1	2,5	16,5	14,5	4	8	,5	2,00
1840	31,94	26,61	46	4	42	12,5	,5	,5	1,5	12		2,5	1,5	14	17	1	5		1,87
1841	39,89	22,43	49	0	48	9	3	1,5	1	13,5	1	1	1	7,5	23,5	6	2		4,17
1842	28,02	26,75	46	2	44	10	2		,5	13,5		,5	4,5	7,5	23,5	2	2	2	1,30
Mean.	30,59	24,44				11,54	2,71	1,46	1,50	8,54	1,46	1,37	2,42	13,75	17,25				2,48
Total.						138,5	32,5	17,5	18	102,5	17,5	16,5	29	165	207				24,77

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.					Total fall.	
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.		Rain gage. Monthly mean.
	First Half.	Seco'd Half.																					
January.	24,54	23,87	65	-28	93	9,58	3,47	1,17	1,54	11,92	,66	,90	1,67	N 59 15° E	7	2,16	18,87	12,13				2,72	27,15
February.	28,02	29,07	64	-16	80	8,50	2,58	,96	1,08	10,54	1,12	1,46	2,00	N 17 27° W	1	0,36	18,07	10,16				1,54	15,42
March.	32,19	37,95	72	-1	73	8,88	2,33	,63	1,50	2,54	1,08	1,71	2,33	N 5 41° W	26	7,88	18,83	12,17				2,43	24,25
April.	47,13	51,26	90	18	72	9,82	2,21	1,25	1,25	10,37	1,46	1,71	1,93	N 41 06° W	2	0,62	19,54	10,46				3,16	31,65
May.	54,87	61,46	92	15	77	7,12	2,38	1,04	2,67	11,08	1,75	2,04	2,92	N 55 12° W	11	3,41	17,75	13,25				3,09	30,90
June.	66,10	67,92	97	42	55	6,67	2,50	3,08	2,39	12,00	1,29	,83	1,34	N 30 51° E	20	5,99	15,37	11,63				4,15	41,52
July.	71,56	72,92	98	44	54	6,75	1,87	1,67	2,21	14,00	1,71	,87	1,92	N 35 16° E	80	9,11	20,62	10,33				4,26	42,61
August.	69,57	67,65	93	40	53	8,00	2,54	2,25	2,50	12,46	,92	,53	1,75	N 34 06° E	17	5,10	20,92	10,03				2,96	29,64
September.	64,13	59,01	81	30	61	7,54	1,96	1,58	3,33	4,21	1,12	1,58	1,18	N 39 10° E	10	3,17	18,79	11,21				2,61	26,15
October.	52,61	48,25	82	24	58	10,54	2,54	1,25	2,42	11,21	,67	1,25	1,12	N 29 15° E	8	2,58	19,33	11,67				2,89	28,95
November.	42,25	36,08	78	6	72	12,75	2,00	,37	1,67	8,46	1,79	1,46	2,50	N 8 08° W	19	5,80	15,46	14,54				2,53	25,27
December.	30,59	24,44	60	-8	68	11,54	2,71	1,46	1,50	8,54	1,46	1,37	2,42	N 85 54° W	21	6,48	13,75	17,25				2,48	24,77
Mean.	48,21	48,32				8,97	2,42	1,30	2,12	9,78	1,17	1,32	1,84	N 84° 06' E	8	1,18	18,35	12,09				2,90	29,02

Highest degree, July 20, 1841, - - - - - 98°

Lowest degree, January 4, 1835, - - - - - -28

Extreme range in 12 years, - - - - - 126

Greatest monthly range in January.

Least monthly range in August.

Mean monthly range, 68°.

Driest month, February.

Wettest month, July.

Total fall of rain and snow in 10 years, 29 feet 0,02 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. rain.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1830	28.44	28.94	37.18	51.10	52.62	65.36	70.12	72.84	62.44	51.98	45.42	33.27	49.10	90	-10	100	69	February 7,	July 21,	September 17,	November 29.
1831	25.98	20.78	40.26	50.87	64.84	72.42	72.74	72.21	64.37	53.54	39.58	15.65	49.31	90	-9	99	66	January 21,	August 15,	October 29,	November 22.
1832	25.79	24.16	36.00	47.29	56.53	66.12	69.30	67.05	51.15	49.54	40.70	30.58	47.86	94	-8	102	61	February 24,	June 16,	October 14,	December 15.
1833	34.10	24.10	31.82	48.20	56.42	61.27	67.99	58.84	55.21	46.53	34.29	29.71	45.70	92	-5	97	69	February 1,	July 22,	October 3,	November 24.
1834	22.35	31.07	34.56	49.52	53.65	65.02	74.84	71.58	61.14	48.66	42.46	27.49	48.68	96	-6	102	77	December 14,	July 8,	September 30,	October 30.
1835	21.87	28.32	32.40	46.71	57.13	66.77	70.11	67.39	54.91	53.95	44.69	22.03	46.74	98	-28	126	75	January 4,	July 24,	November 23,	October 12.
1836	24.38	18.01	28.72	46.28	61.34	65.97	69.16	64.41	52.56	44.65	39.77	28.05	46.11	93	-16	109	63	February 19,	July 8,	October 12,	November 23.
1837	19.48	27.86	33.06	45.05	55.09	66.18	66.67	66.16	59.75	49.57	39.79	28.27	46.41	90	-8	98	64	December 22,	June 30,	December 10,	October 10.
1839	22.14	27.47	36.86	53.11	57.82	64.13	73.12	68.48	62.41	56.66	34.74	28.21	48.76	83	-10	98	66	January 23,	July 21,	September 13,	November 10.
1840	18.31	34.92	40.81	54.81	66.02	71.51	78.37	75.76	63.76	51.65	41.18	29.27	52.15	97	-2	99	67	February 4,	June 29,	October 26,	October 26.
1841	28.90	21.29	35.66	45.47	59.22	72.57	75.00	67.90	69.33	48.26	37.44	31.16	49.35	98	-10	108	60	January 4,	July 23,	October 7,	November 7.
1842	29.72	35.83	43.14	51.71	55.32	66.89	75.17	71.53	60.20	49.96	34.96	27.38	50.15	90	-2	92	64	January 6,	July 13,	September 23,	November 16.
Mean	24.66	26.06	35.83	49.13	58.00	67.02	71.88	68.64	61.61	50.41	39.58	27.58	48.86								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1830	101.5	53.5	22	13	123.5	12.5	19	20	N 67°06' E	8	29.55	234.5	130.5	53.5	7.5	3.5
1831	109.5	51	22.5	20.5	123	8	11	19.5	N 69 12 E	13	45.59	239	126	51	11	2
1832	151	12.5	20	11	155	3	4.5	9	N 86 49 E	6	23.67	241	125	44.5	9	3.5
1833	143	30.5	21	14.5	133.5	5	6.5	11	N 54 24 E	12	42.07	273	92	39	6	2.5
1834	142.5	15	17	11.5	140.5	10	17	11.5	N 24 38 E	2	6.09	199	166			
1835	18.5	28	16.5	27.5	24.5	99.5	92.5	58	S 76 42 W	42	152.14	196.5	148.5	52	8.5	
1836	56.5	53.5	28	94	75.5	26	7	25.5	S 61 37 E	28	101.08	219	147	44.5	16.5	3
1837	117	19	26.5	63.5	93.5	14.5	10.5	20.5	S 85 42 E	14	49.73	274	91	65.5	9.5	1
1839	94.5	15	5	10.5	130	25	44	41	S 72 44 W	19	70.82	224	141	42	12	2
1840	123.5	22.5	5	12	166.5	6.5	10.5	19.5	S 1 07 E	72	26.42	213	153	49	16	
1841	99.5	27.5	5.5	11.5	170	9.5	15	26.5	S 8 54 W	13	47.70	185.5	179.5	69	27	1
1842	89.5	15	6.5	10.5	202.5	6	6.5	28.5	S 3 52 W	26	94.02	163.5	201.5	80	12	8
Mean.	103.87	28.58	16.29	25.00	128.17	18.79	20.33	24.21	S 10°51' E	5	18.27	221.83	143.42			
Total.	1246.5	343	195.5	300	1538	225.5	244	290.5				2662	1721			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1830	1.74	1.16	4.62	3.44	4.81	7.10	4.73	.75	1.41	2.74	6.12	4.38	43.00	August.	June.
1831	2.80	1.27	2.95	5.59	3.92	2.50	5.92	6.27	4.47	6.32	1.80	2.42	48.28	December.	June.
1832	2.16	1.33	4.14	3.16	1.28	2.57	6.82	5.04	1.88	5.46	2.47	2.17	38.54	May.	July.
1833	1.74	1.73	1.61	.00	4.47	2.57	3.11	2.07	3.53	1.32	1.83	3.51	25.92	April.	May.
1836	6.14	2.62	.87	2.22	1.26	2.70	2.91	1.94	2.08	1.19	1.77	3.90	29.66	March.	January.
1837	3.66	1.40	5.85	5.45	6.01	7.16	6.52	2.74	1.53	2.26	1.40	1.05	44.43	December.	June.
1839	1.51	1.12	.65	2.60	4.90	5.06	6.55	2.20	3.37	.74	2.21	2.00	29.93	March.	June.
1840	1.10	1.87	.52	2.65	1.42	1.61	2.50	.97	3.05	4.55	2.80	1.87	24.41	July	October.
1841	5.90	1.00	1.94	3.11	1.43	2.43	3.69	2.95	1.77	3.04	4.17	31.66	September.	January.	August.
1842	1.23	2.36	1.64	3.37	1.40	3.28	2.90	5.83	3.93	2.00	2.33	1.80	31.52		
Mean.	2.72	1.54	2.43	3.16	3.09	4.15	4.26	2.96	2.61	2.89	2.53	2.48	34.73		
Total.	27.18	15.42	24.29	31.65	30.90	41.52	42.61	29.64	26.08	28.95	25.27	24.17	347.80		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1880	16	80	20	7	30	9	21	13	4	22	15	12	21	9	23	26	13	18	12	29	17	30	31	22
1881	4	24	16	14	23	17	15	10	31	9	1	23	19	1	15	28	10	80	3	29	10	30	24	21
1882	18	26	12	24	25	14	26	9	13	24	16	5	7	12	14	25	20	13	10	25	19	15	22	8
1883	5	11	19	1	21	4	29	10	19	3	30	20	22	29	6	29	5	13	8	31	9	19	1	13
1884	18	24	4	7	18	3	14	25	21	15	9	5	8	12	12	28	4	29	2	29	4	15	7	14
1885	26	4	21	10	16	3	9	18	31	1	3	21	24	1	13	23	6	10	20	25	4	29	26	16
1886	14	28	24	19	28	9	25	12	21	13	18	21	8	24	8	13	19	30	2	26	12	25	10	28
1887	81	3	27	13	28	4	29	24	31	1	30	17	1	12	10	31	10	21	23	29	21	26	2	22
1889	26	2	28	9	28	3	6	13	19	4	9	12	21	5	24	30	9	30	3	21	8	26	4	20
1840	31	1	29	4	4	11	23	8	29	9	29	2	16	3	19	10	10	22	6	21	4	20	13	25
1841	7	4	28	12	26	15	24	14	21	3	30	16	20	3	19	24	6	80	1	25	1	29	9	22
1842	30	6	12	15	4	12	22	1	28	21	26	11	13	7	27	1	4	26	8	27	6	30	4	23

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1880	41	-6	59	-10	64	14	82	33	82	38	88	46	90	62	88	60	74	41	78	32	67	31	55	-8
1881	57	-9	45	-8	65	20	75	30	80	42	89	50	88	54	90	54	83	48	76	32	68	20	38	-7
1882	54	-4	46	-8	70	9	80	19	81	40	94	46	92	54	86	46	81	41	68	30	59	20	50	10
1883	65	-4	44	-5	67	2	86	26	82	34	80	43	92	48	82	40	82	38	72	30	50	20	40	13
1884	46	2	46	3	50	16	84	30	92	15	92	46	96	52	93	49	90	30	74	23	60	17	50	6
1885	47	-28	47	-8	60	4	81	30	92	33	95	42	98	44	90	41	91	31	82	24	78	10	42	-8
1886	37	-4	47	-16	49	-1	74	18	86	36	84	49	93	51	80	46	90	34	65	24	64	20	50	-1
1887	38	-8	48	-4	54	2	70	80	84	28	88	52	90	54	84	48	80	82	76	26	68	6	60	4
1889	56	-10	46	0	72	10	74	30	78	40	78	51	88	60	80	50	78	43	68	35	44	18	48	9
1840	40	0	65	-2	69	18	83	34	91	40	97	48	96	62	90	60	81	43	74	30	59	30	46	4
1841	50	-10	53	-4	56	8	68	27	85	32	94	55	98	58	91	60	88	50	73	31	72	18	48	0
1842	50	-2	64	10	72	13	90	26	86	39	86	42	90	60	85	56	90	38	72	32	60	12	46	2
Highest.	65		64		72		90		92		97		98		93		91		82		78		60	
Lowest.		-28		-16	-1		18		15		42		44		40		30		24		6		-8	
Range.		93		80	73		72		77		55		54		53		61		58		72		68	

SUMMARY OF OBSERVATIONS AT ROCHESTER COLLEGIATE INSTITUTE,

ROCHESTER, MONROE COUNTY, N. Y., DURING NINETEEN YEARS.

Latitude N. 43° 07'; Longitude W. 75° 51'. Elevation above tide 506 feet. On the Genesee river.

[The country around this station is a rolling level, with no local obstructions which might influence the direction of the winds. Lake Ontario is 5 miles to the north, and there are slight hills to the south which have no influence upon the winds. The surface winds are observed to differ from the upper currents. From 1836 till about 1844, the indications of the wind vane were recorded, but subsequently the direction as shown by clouds. This difference has been ascribed to the fact that the waters of Lake Ontario acquire and retain, till late, the summer's heat, and thus give a tendency of the surface current of air towards them. The thermometer was suspended on the north side of a building, not exposed to reflections, and having a grass plat around it. The common rain gauge, with hollow bulb and floating rod, was used; it was 6 feet from the ground. Prof. C. DEWEY.]

OBSERVERS.

1830, S. D. MOORE, Associate Principal.

1833, (incomplete,) E. S. MARSH, M. D., D. MARSH and A. MUNSON.

1834, DANIEL MARSH, Teacher.

1835, A. G. WARNERS and others.

1836, TIMOTHY D. HUNT, Student.

1837, T. D. HUNT and CHA'S SMITH, Students.

1838, CHA'S SMITH and WM. HOLMES, Students.

1839, N. BRITTON, Teacher, and WM. HOLMES, Student.

1840, N. BRITTON, Associate Principal.

1841, L. WETHERELL, Teacher.

1842, L. WETHERELL, Teacher, and C. DEWEY, Principal.

1843, '44, '45, L. WETHERELL, Assistant Teacher.

1846, LEANDER WETHERELL, Teacher.

1847, C. DEWEY, Principal, and L. WETHERELL, Teacher.

1848, L. WETHERELL, Teacher.

1849, LEANDER WETHERELL, Teacher, and Prof. C. DEWEY.

1850, LEANDER WETHERELL.

JANUARY.

JANUARY.																			
YEARS	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
	1830	27, 59	16, 51	49	-5	54			1	1	1	9	15	4	9	22		9	, 5
1833	33, 37	28, 44	64	6	58	, 5	1, 5	1	2, 5	3	8, 5	9, 5	4, 5	5, 5	25, 5	1	3, 5		
1834	17, 72	19, 85	48	2	46		2	3, 5	2, 5	1, 5	3, 5	18		12, 5	18, 5	2, 5	6		, 11
1835	27, 72	34, 58	50	-4	54	3	1		4	, 5	11, 5	5	6	12, 5	18, 5	3	4		1, 15
1836	29, 26	20, 26	40	2	38	2, 5	2	1, 5	4, 5	2, 5	5, 5	10	2, 5	1	30	1, 5	6, 5		2, 40
1837	16, 56	25, 90	39	-4	43	2	2, 5	, 5	, 5	2	8	5	10, 5	, 5	30, 5		4, 5		, 16
1838	36, 74	26, 47	60	5	55	4, 5	1	1	2, 5	5, 5	5, 5	7, 5	3, 5	11	20	2	4		1, 70
1839	31, 85	19, 16	48	-2	50	1, 5	2, 5	1	1, 5	4, 5	7	3	10	5	26	3	10		2, 40
1840	19, 09	19, 87	50	-2	52	, 5	5		, 5		14	6, 5	4, 5	17	14		2	1	1, 16
1841	26, 72	29, 09	48	-3	51	, 5	4, 5	1	3, 5	4, 5	4, 5	9	3, 5	12, 5	18, 5	, 5	2, 5		2, 13
1842	26, 94	32, 35	59	5	54	1, 5	1, 5		1, 5	6	7, 5	9, 5	3, 5	13, 5	17, 5	1, 5	4, 5		1, 13
1843	30, 44	32, 83	60	8	52	2, 5	1	1	5, 5	3	6	6	6	7	24	3	8	1	2, 79
1844	25, 64	16, 16	45	0	45	2, 5	2	2, 5	5, 5	2	1, 5	2	13	8	23	4	21	1	2, 21
1845	29, 08	27, 03	51	0	51	4	3, 5	1	3	3, 5	3	6, 5	6, 5	7	24	2	15	5	3, 51
1846	31, 42	23, 93	45	4	41	1, 5	4, 5	, 5	2	1	4, 5	6	11	7	24	4	14	2	2, 18
1847	28, 63	20, 88	54	4	50		2		4	1, 5	2	10	11, 5	8, 5	22, 5	4	10	7	3, 01
1848	28, 69	32, 50	61	0	61	, 5	, 5	, 5	5	5, 5	9, 5	1, 5	8	8	23	5	9	4	2, 25
1849	19, 15	26, 29	47	-9	56	4	1	, 5	1	1	4, 5	5, 5	13, 5	5	26	4	22	3	1, 39
1850	26, 97	31, 47	42	12	30	1	5	2	6, 5	2, 5	5	5, 5	3, 5	4	27	5	11		3, 03
Mean.	27, 03	25, 45				1, 71	2, 28	, 98	3, 00	2, 67	6, 34	7, 42	6, 60	8, 66	22, 34				1, 91
Total.						32, 5	43	18, 5	57	51	120, 5	141	125, 5	154, 5	434, 5				34, 39

FEBRUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1830	19,12	31,76	54	6	48		1	3,5	2,5	1	10,5	2	7,5	10,5	17,5	1	3,5	,5	,22
1833	26,96	29,06	46	12	34	1	4	2,5	1	2,5	1	11	5	12	16		5,5		
1834	25,47	34,19	62	1	61	1,5	4,5	,5	3,5	3	5	7,5	2,5	10	18	2	1,5		,73
1835	14,33	28,00	47	7	54		1,5		3		8	10,5	3	12,5	15,5	1	10,5		,81
1836	14,90	21,96	48	8	56	1	1,5		4,5	2,5	6	6	7,5	7	22	1,5	8		,59
1837	25,31	27,01	46	0	46	4,5	1,5		,5		9,5	2	10	4	24		2		2,50
1838	19,25	13,54	38	1	37	,5	,5		3	1	5	11,5	6,5	5,5	22,5		5		1,70
1839	20,73	34,83	46	1	45	3	2,5	2		4	6,5	9	1	22	6	4	12		2,05
1840	27,69	36,31	60	3	57		2		3,5	4,5	11	1,5	6,5	20	9	6	4	1	1,37
1841	20,22	28,33	42	1	41	1,5	2,5			1	10,5	8,5	4	18	10		3,5		,21
1842	34,15	27,92	60	7	53	1	2,5	,5	4	7	4,5	4	4,5	7,5	20,5	1,5	2,5		2,12
1843	17,90	18,33	38	6	44	,5	3,5	,5	1	,5	2,5	11,5	8	8,5	19,5		20		2,62
1844	25,75	31,47	48	2	50	2	1,5	1	1,5	4	7	3	9	8,5	20,5	3	14	3	,37
1845	18,59	38,61	57	3	54	2	1	1,5	3,5	2	2,5	8	7,5	7,5	20,5	5	17		2,01
1846	26,65	18,92	45	1	44		1	2,5	5	1,5	1	7	10	5,5	22,5		20	2	2,92
1847	27,14	23,48	45	0	45	1	4	1,5	7	,5	1,5	5,5	7	4,5	23,5	2	14	6	3,71
1848	25,91	31,40	49	6	43	3	1,5		2,5	1,5	8,5	3,5	8,5	16	13	4	12	1	1,04
1849	20,37	24,01	48	7	55	1	5,5	2	5,5	2	4,5	4,5	3	7	21	1	17	2	1,29
1850	26,56	29,73	48	4	44	1	1,5		4	3	3,5	9,5	5,5	7	21	5	10	2	1,95
Mean.	23,00	27,83				1,29	2,29	1,05	2,92	2,18	5,71	6,63	6,13	10,18	17,26				1,57
Total.						24,5	43,5	20	55,5	41,5	108,5	126	116,5	193,5	342,5				28,21
MARCH.																			
1830	30,89	39,92	65	10	55	,5	1,5	6	1,5	3	7	7	4,5	11,5	19,5	4	4	1	3,42
1833	24,92	43,41	68	2	66	1	2,5	2,5	3,5	4,5	1	7,5	8,5	19,5	11,5	1,5	1		
1834	33,84	37,41	66	8	58	3,5	1	2	1	1	5	15,5	2	10	21	,5	,5		,78
1835	30,18	36,45	64	0	64	2,5	3,5	3	3,5		7	7	4,5	18	13	2,5	4		,60
1836	26,91	31,09	59	6	53	,5		1,5	4,5	1	7,5	8,5	7,5	12	19	1,5	4		,55
1837	27,78	33,60	54	2	56	,5	1	,5	4,5	,5	8,5	3,5	12	7,5	23,5	2,5	1,5	,5	3,00
1838	33,40	39,14	64	4	60	5	3	,5	3	3	5	5,5	6	15,5	15,5	1,5	1		1,24
1839	32,45	35,60	67	6	61	4	1,5	3	,5	3,5	3,5	13	2	14,5	16,5	5	11		1,35
1840	33,62	34,44	58	12	46		5		,5	,5	14,5	3	7,5	19	12	3	8		1,40
1841	24,91	33,00	63	3	66	5,5	8	1	1,5		6	4	5	17,5	13,5	2,5	2,5	,5	3,55
1842	38,45	41,09	66	12	54	5	1,5	1,5	1,5	5	6,5	6,5	3,5	12,5	18,5	3,5	2,5		2,89
1843	21,14	25,18	50	4	46		2	2,5	4	,5	,5	13	8,5	8,5	21,5		15	3	2,09
1844	37,16	31,71	60	14	46	2	6,5	2	2,5	2	5	6	5	9,5	21,5	9	8	3	1,14
1845	36,79	40,04	76	12	64	1,5	2	,5	1,5	2	6,5	6	11	11,5	19,5	5	12	2	2,62
1846	31,44	37,95	55	4	51	1,5	3	1,5	5	1,5	3,5	8,5	6,5	16	15	6	7		1,53
1847	26,34	30,41	57	11	46	2	3	1	1,5	1,5	4,5	7	10,5	15,5	15,5	5	9	2	,92
1848	25,31	39,44	76	6	70	2	4	2	4	1	2,5	5	10,5	10	21	6	13	2	1,77
1849	31,17	37,75	54	12	42	3,5	4	,5	1,5	3,5	1,5	4,5	12	13,5	17,5	9	5	4	2,35
1850	31,59	29,76	50	14	36	6	1	1	3,5		4	9	6,5	12,5	18,5	3	14		1,70
Mean.	30,45	35,65				2,45	2,84	1,71	2,58	1,79	5,24	7,37	7,02	13,45	17,55				1,83
Total.						46,5	54	32,5	49	34	99,5	140	133,5	255,5	333,5				32,90

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	47,23	61,45	83	30	53	,5	3,5	5,5	2,5	1	4,5	9,5	3	20	10	3		,5	1,32
1833	48,46	56,95	84	30	54	3,5	4,5	2,5	,5	2	2	10	5	22	8	6			
1834	48,05	47,67	83	23	60	2,5	4	4	,5	1	2,5	9,5	6	13	17	4	,5		1,60
1835	52,75	43,55	78	28	50	1,5	3	3,5	1,5	2	4,5	8	6	18	12	3	2,5		4,46
1836	38,66	47,18	76	20	56	4	2		4,5	2	8	2	7,5	12	18	5,5	,5		1,70
1837	38,59	43,32	76	20	56	2	5	,5	,5	1	6,5	4,5	10	7	23	2,5	,5		,50
1838	37,04	37,45	58	20	38	5	3	1	3,5	1	1,5	9	6	10,5	19,5	3,5	1		2,14
1839	48,30	48,87	76	30	46	7	2,5		,5	8	1,5	7,5	3	18	12	7	1		2,48
1840	42,07	53,53	88	24	64		1,5		2,5	3	11,5	3,5	8	21	9	8	2		2,22
1841	34,90	44,85	76	22	54	8	6	2	1	1	4	4,5	3,5	15	15	4	2,5		3,27
1842	43,63	48,08	82	22	60	5	5,5	2,5	1	,5	6,5	4,5	4,5	17	13	6,5			2,48
1843	40,86	49,53	72	19	53	2	3	2	6,5	1	2,5	6,5	6,5	9	21	8	2	1	2,22
1844	53,07	52,17	83	11	72	1	9,5	1	4,5	1	6	4,5	2,5	18,5	11,5	11			,72
1845	38,54	54,29	76	20	56	2	1,5		3,5	,5		7,5	15	9,5	20,5	9	5	1	2,49
1846	41,53	53,13	80	23	57	1,5	5		3,5	1,5	8	4	6,5	16	14	10	3		1,18
1847	41,36	41,48	76	13	63	1,5	2		1	1,5	7	4,5	12,5	15,5	14,5	9	3	7	2,65
1848	45,54	43,87	76	27	49	3,5	2,5	1	,5	1	2,5	4,5	14,5	22	8	6	2	3	,78
1849	42,55	41,23	74	20	54	2	3,5		1,5	2	5	4,5	11,5	11,5	18,5	8	3	1	1,44
1850	35,59	45,28	79	20	59	2	6	2	1	3	5,5	3,5	7	13,5	16,5	5	7	2	2,56
Mean.	43,09	48,09				2,87	3,87	1,45	2,13	1,79	4,71	5,89	7,29	15,21	14,79				2,01
Total.						54,5	73,5	27,5	40 5	34	89,5	112	138,5	289	281				36,21
MAY.																			
1830	52,65	51,05	78	27	51	,5	,5	,5	1	9	3,5	4,5	11,5	14,5	16,5	1,5			3,51
1833	60,21	63,67	86	48	38		7,5	4	1	2	6	2	8,5	15	16	9			
1834	48,25	66,93	84	27	57	2,5	3	1	3	3	2	13,5	3	21	10	,5	,5		,91
1835	52,50	60,10	82	40	42	1,5	4	5,5	,5	1,5	4	9	5	19	12	4			,79
1836	51,56	54,22	85	29	56	4,5	9	,5	2	1	7	4,5	2,5	13	18	7			6,12
1837	53,23	56,46	85	25	60	7	3	,5	2,5	,5	5,5	2,5	9,5	5,5	25,5	8,5			2,82
1838	54,57	54,15	84	33	51	3,5	1,5	1,5	1,5	2,5	3,5	11,5	5,5	11,5	19,5	4,5			4,91
1839	52,13	61,53	88	34	54	4	3,5	1	,5	5	2	11,5	3,5	15,5	15,5	14			4,90
1840	50,62	64,87	88	34	54		5	3	2	1,5	9,5		10	27	4	7			4,13
1841	43,83	61,20	84	28	56	8	2,5	1,5	,5		7,5	5	6	19,5	11,5	4,5	,5	1	1,17
1842	49,32	55,35	81	32	49	2	,5		1	2	4	16	5,5	18	13	4,5			2,18
1843	54,83	52,72	86	38	48	4	3,5	2	3	2	4	3	9,5	15	16	9		2	1,83
1844	57,24	60,07	86	35	51	1	,5		2	2,5	3,5	7,5	14	16	15	16			4,18
1845	55,58	51,99	87	33	54	3	1,5		1	1	4	7,5	13	18	13	11	1	2	2,65
1846	56,52	63,72	89	35	54	3	5,5		4,5	1	2,5	6,5	8	19,5	11,5	11			2,34
1847	55,15	61,20	82	37	45	1	5	2,5	5	,5	2,5	3	11,5	19	12	11		1	1,73
1848	55,59	63,59	87	37	50	1,5	3,5		,5	,5	4,5	4	16,5	18,5	12,5	15			4,48
1849	46,27	55,63	85	30	55	7	3,5	1,5	5	2	2	2,5	7,5	14	17	19			3,81
1850	47,79	50,26	77	32	45	3	5,5		2,5	,5	2	6	11,5	11,5	19,5	13	1	3	2,87
Mean.	52,52	58,35				3,00	3,60	1,32	2,05	2,00	4,18	6,31	8,54	16,37	14,63				3,08
Total.						57	68,5	25	39	38	79,5	120	162	311	278				55,33

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1830	61,95	63,66	88	48	40	3	2,5	1	1,5	3,5	3	8	7,5	13,5	16,5	10			8,35
1833	60,64	64,57	85	45	40	2,5	5,5	1,5	2,5	1	2	5,5	9,5	11	19	6,5			
1834	63,65	66,98	88	42	46	1,5	3,5	2	3	1	4	8	7	17	13	4,5			1,61
1835	70,52	65,85	85	52	33	4	2,5	1,5	1	,5	5,5	10,5	4,5	13	17	8,5			5,49
1836	66,97	66,78	86	44	42	1	8,5	,5	12		6	,5	1,5	7	23	5			2,77
1837	66,90	61,88	84	51	33	1,5	10		1		9,5	5,5	2,5	13,5	16,5	5			2,58
1838	66,17	68,42	97	48	49	1,5	1		1	5,5	5	9,5	6,5	18,5	11,5	2,5			1,33
1839	58,53	62,02	82	45	37	5,5	2	,5	1	1,5	3	12,5	4	16	14	9			3,40
1840	61,10	66,52	84	44	40	,5	3,5		3,5	1,5	5,5	2,5	13	23,5	6,5	11			2,63
1841	67,29	67,95	90	46	44	6	3	1,5	,5	1	3,5	7,5	7	21	9	4			1,29
1842	57,00	64,33	86	36	50	4,5	3	1	,5	4,5	6,5	4,5	5,5	13,5	16,5	10			3,66
1843	56,09	68,29	90	35	55	2	3		1,5	1	4	10	8,5	16	14	14	1		2,93
1844	59,36	68,53	86	39	47	6,5	4,5		,5	1	6,5	5,5	5,5	19	11	12			3,19
1845	67,00	62,33	88	45	43	3,5	1,5	1,5		1,5	3,5	5,5	13	18,5	11,5	13			4,48
1846	63,08	66,22	85	43	42	3,5	4	,5	2,5	1,5	2	7	9	16	14	12			4,96
1847	59,87	61,00	87	42	45	1	1		1	2,5	7,5	6	11	15	15	14		2	2,65
1848	63,31	72,95	94	39	55	1,5			,5	1,5	2	10,5	14	21	9	14			2,13
1849	61,21	70,81	92	42	51	2	4	,5	2,5	2,5	3,5	3,5	11,5	20,5	9,5	9			4,33
1850	64,55	71,15	94	43	51		4	1,5	,5	2	11,5	4	6,5	22	8	11			1,84
Mean.	62,92	66,80				2,34	3,55	,71	1,92	1,79	4,97	6,76	7,96	16,58	13,42				3,31
Total.						51,5	67	13,5	36,5	33	94	126,5	147,5	315,5	254,5				59,62
JULY.																			
1830	67,42	79,46	98	54	44	2	,5	1,5	,5	1	4	8	13,5	20,5	10,5	5			1,99
1833	69,27	68,02	91	51	40	1	5			1,5	1,5	12,5	11	18	13	4			
1834	70,97	73,53	93	50	43	4,5	4,5	,5		5,5	6,5	9,5	25	6	6	4			1,45
1835	68,14	71,97	87	53	34	2	3		,5	,5	9,5	8,5	7	9,5	21,5	10,5			1,83
1836	72,66	67,65	90	45	45	,5	12		1,5	,5	12,5	3	1	11	20	3,5			2,74
1837	68,55	69,02	88	51	37	1,5	2,5		1	,5	14,5	1,5	9,5	15,5	15,5	3			1,11
1838	76,63	71,80	99	54	45	2	1		,5	5,5	5,5	14,5	2	15,5	15,5	2			3,04
1839	66,79	72,63	92	52	40	2,5		,5		4	7	12,5	4,5	18	13	17			4,20
1840	69,26	69,40	94	45	49	1	3		,5		6	3	17,5	29,5	1,5	8			3,11
1841	65,15	68,43	96	50	46	4,5	1		,5		7	9	9	24	7	2			4,58
1842	64,42	69,46	91	46	45	6	2	,5		2,5	7,5	4,5	8	23	8	4,5			3,69
1843	62,29	68,77	92	51	41	4,5	4,5		,5	1,5	3,5	8,5	8	22	9	13			2,12
1844	68,10	68,60	89	45	44	1,5	6,5	1			3,5	8	10,5	16	15	19			3,30
1845	70,62	68,54	102	48	54	2,5	2				3	4	19,5	21,5	9,5	10			2,75
1846	70,59	69,20	96	51	45	2	5,5	1,5	3,5	1	3	6	8,5	22,5	8,5	13			2,49
1847	72,30	71,25	95	50	45	2	3	1	4	2,5	7	6,5	5	22,5	8,5	12			2,05
1848	67,87	70,53	92	52	40		1	,5	3	1,5	6	6,5	12,5	21,5	9,5	17			6,16
1849	69,28	70,78	95	47	48	3	3,5		2,5	3,5	6	4	8,5	25	6	8			,94
1850	72,17	71,62	93	50	43	1,5	8	1	1,5	3	5,5	7	3,5	15	16	16			5,97
Mean.	69,08	70,04				2,31	3,58	,42	1,05	1,42	6,16	7,21	8,85	19,76	11,24				2,98
Total.						44	68	8	20	27	117	137	168	375,5	213,5				53,52

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	69,97	67,77	98	48	50	5,5	,5		,5	1	5,5	8,5	9,5	19	12	5			1,91
1833	66,30	66,33	88	46	42	2,5	3	,5	1	1	7,5	6	9,5	22	9	3,5			
1834	74,49	66,43	92	55	37	5,5	10,5		1		3,5	4	7,5	23,5	7,5	3,5			1,38
1835	69,73	64,72	89	50	39		4,5		1		15	2,5	8	10	21	8,5			3,57
1836	64,29	62,27	82	46	36		11,5		,5	,5	8	4,5	6	8,5	22,5	2,5			1,29
1837	69,11	65,28	91	50	41	,5	,5	1	2		14,5	2	10,5	11	20	4			3,72
1838	71,06	68,49	94	48	46	2			1	2	9	16	1	20	11	4			2,59
1839	66,10	64,14	88	44	44	7	4	1	1	2		8	8	22,5	8,5	9			3,56
1840	65,97	70,16	87	50	37	1,5	1,5		1,5	1,5	4,5	17,5	3	18,5	12,5	9			4,09
1841	66,82	67,87	90	48	42	8,5	2,5	1	1,5	,5	6	5,5	5,5	27	4	1			1,60
1842	65,16	69,55	89	46	43	2,5	18		,5	2	2,5	1	4,5	23	8	2,5			1,42
1843	70,42	69,67	90	54	36	1	5		2,5	,5	9,5	1,5	11	24,5	6,5	6			,70
1844	67,49	64,83	87	50	37	2	3,5			4	5,5	8	8	21	10	16			1,74
1845	68,88	69,83	93	53	40	,5			2,5	1,5	4,5	1	21	24	7	11			2,77
1846	72,18	67,67	94	45	49	5	1	1,5	1,5		4,5	8	9,5	22	9	6			3,85
1847	69,10	65,63	84	54	30	,5	4,5	,5	4	5,5	11,5	3	1,5	22,5	8,5	12			5,27
1848	74,03	71,67	94	56	38	1	1	4	7,5	6,5	3	4,5	3,5	22,5	8,5	9			2,78
1849	67,65	70,72	90	56	34	,5	1		,5	1,5	3,5	3	21	19	12	14			3,62
1850	71,77	67,28	89	53	36	,5	1		4,5		2,5	1	21,5	21,5	9,5	18			1,93
Mean.	68,92	66,86				2,44	3,87	,50	1,76	1,58	6,35	5,55	8,95	20,06	10,94				2,66
Total.						46,5	73,5	9,5	33,5	30	120,5	105,5	170	381	208				47,79
SEPTEMBER.																			
1830	62,34	56,98	90	38	52	2,5	2,5	,5	,5	3	8	8	5	14	16	6,5			3,93
1833	63,47	61,07	80	41	39	1,5	5,5	2	,5	1,5	3	8,5	7,5	22,5	7,5	3			
1834	65,46	58,74	86	32	54	2	3,5		2,5	1,5	9	5,5	6	21	9	4			1,89
1835	61,44	52,04	85	32	53	1	1,5		2	3	13	5,5	4	11,5	18,5	5			2,63
1836	58,88	59,21	85	28	57	2,5	6		,5	,5	14,5	3	3	6	24	3,5			2,30
1837	62,63	58,79	82	40	42	1	3	,5	2,5	4	11,5	2	5,5	16,5	13,5	1,5			2,34
1838	61,95	59,52	86	44	42	6,5		,5	,5	8	1,5	11	2	21	9	1			,87
1839	62,08	54,98	79	30	49	1,5	,5	,5	,5	7	5,5	2	12,5	15	15	13	1		1,19
1840	59,30	55,78	77	36	41	,5	1,5	1	1,5	,5	10,5	3	11,5	20	10	6			2,81
1841	66,14	59,78	85	43	42	4	1	5	3	1,5	5,5	3	7	20,5	9,5	3,5			6,14
1842	62,96	53,12	90	38	52	2	4,5	2	1,5		5,5	3	11,5	20	11	4,5			5,19
1843	63,82	61,47	89	36	53	2,5	6,5	,5	3		7,5	6,5	3,5	20	10	9			5,52
1844	67,07	56,34	89	32	57	5,5	6,5	1,5	,5	3	1,5	4,5	7	22,5	7,5	7			,68
1845	60,60	57,00	85	38	47	2,5	1		2,5	2,5	5,5	5	11	11,5	18,5	20			4,32
1846	71,90	59,51	94	43	51	1,5	3	1,5	1	1	3	10,5	8,5	16,5	13,5	13			2,76
1847	60,94	56,03	85	40	45	2,5	3	1	5,5	2	2,5	5,5	8	17,5	12,5	15			4,25
1848	61,54	50,86	84	30	54	2	,5		,5	3	7	6,5	10,5	17,5	12,5	13			2,96
1849	61,27	59,14	82	40	42	2	3			1	10,5	5	8,5	20,5	9,5	11		1	3,91
1850	62,10	58,99	86	36	50	1	4	2	1	3	7	6	6	17,5	12,5	16			2,95
Mean.	62,94	57,34				2,34	3,00	,97	1,55	2,42	6,95	5,47	7,30	17,45	12,55				3,15
Total.						44,5	57	18,5	29,5	46	132	104	138,5	331,5	238,5				56,64

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1830	56,86	53,12	80	28	52	6,5	4	1,5	2	1,5	6,5	5	4	19,5	11,5	3,5			1,04
1833	48,79	39,86	68	30	38	,5	1	1,5	2	1,5	4	16	4,5	11	20	6			
1834	52,14	43,72	74	32	42	1	2	,5	1	1,5	10	5,5	9,5	14	17	9,5			4,06
1835	47,99	55,03	73	32	41	1,5	2		3	6	8	9	1,5	14	17	7			4,56
1836	44,88	37,84	68	22	46	2	6		1,5	1	9,5	5	6	7,5	23,5	3	2		2,66
1837	48,61	47,70	78	28	50	6	3,5	,5	2	3	4	6	6	14,5	16,5	5			5,10
1838	49,76	38,30	78	25	53	1,5	,5	,5	,5	9,5	6,5	9,5	2,5	14	17	2,5	,5		3,20
1839	58,80	52,42	76	31	45	2	4,5		2	4	10,5	4	4	18	13	8	1		,56
1840	52,79	42,87	78	25	53	1	5		2,5	3	8,5	9	2	14,5	16,5	10	4	2	2,83
1841	47,69	41,23	71	24	47	2	,5	2	1,5	1,5	5,5	4,5	13,5	15	16	2		,5	1,21
1842	51,13	45,55	72	30	42	,5	,5	1,5	1	2,5	9,5	6	9,5	19	12	7		1	2,20
1843	50,05	40,15	71	28	43	3,5	1		1	1	6,5	7,5	10,5	7,5	23,5	13	3	3	4,42
1844	49,57	42,36	72	29	43	2,5	3	1	1,5	3,5	3,5	7	9	12	19	11	3		4,81
1845	52,84	45,19	76	23	53	3	1,5	,5	1,5	3	11	6,5	4	16,5	14,5	11	1	3	2,84
1846	53,63	41,54	78	23	55	2,5	4	1	1,5	2,5	6,5	6	7	10	21	10	2	5	6,79
1847	49,86	45,02	72	25	47	1,5	1	,5	3	6	7,5	4,5	8	14	17	12	1	3	4,94
1848	53,13	46,70	72	28	44	1,5	2,5	1	3		6	6	11	15,5	15,5	13		2	1,77
1849	47,71	48,77	72	32	40	6	1,5	1,5	1	3,5	6,5	3,5	7,5	14	17	17	1	1	4,17
1850	51,41	47,80	76	30	46	1,5	3	,5	2	1	11,5	6,5	5	16	15	16		1	5,06
Mean.	50,93	45,01				2,42	2,47	,74	1,73	2,89	7,42	6,69	6,64	14,03	16,97				3,46
Total.						46	47	14	33	55	141	127	126	266,5	322,5				62,22

NOVEMBER.																			
1830	51,09	42,11	68	30	38	2	1	11	4,5	,5	4	5,5	1,5	7,5	22,5	5,5	1	1	4,70
1833	41,00	30,36	64	12	52	2	,5	1	2,5	2,5	5	14	2,5	10,5	19,5	4	1,5		
1834	39,67	35,16	64	17	47	3,5	2	1	3	,5	4	7,5	8,5	16	14	5	,5		1,99
1835	45,35	31,09	62	10	52	,5	1	1	3,5	6	7	6,5	4,5	6,5	23,5	3,5	3		2,25
1836	39,64	33,34	63	13	50	1	3		4	1,5	9,5	5	6	3	27	1,5	3		3,25
1837	41,46	41,61	63	18	45	2,5	1,5		2,5	4	5	10	4,5	9	21	1,5	1,5		4,16
1838	37,24	26,98	58	8	50	2,5	,5	1	7	5,5	12	1,5	8	22	1		,5		1,68
1839	39,11	26,90	48	7	41		,5	2,5	2	3,5	7	10,5	4	10,5	19,5	5	7	1	2,82
1840	42,16	32,18	61	22	39	1	5	2,5	,5	,5	10	8,5	4	13	17	5	6		1,71
1841	38,75	28,39	72	8	64	6	3,5	4,5	,5	2,5	,5	5,5	7	3	27	3	4,5	1,5	4,65
1842	41,44	27,85	64	14	50		5	,5	2	2,5	5,5	9,5	5	9,5	20,5	4	4,5	,5	3,43
1843	32,36	35,76	54	16	38	3	1	1	1,5	2	3,5	8	9,5	3	27	7	12	3	1,07
1844	41,05	31,62	60	14	46	1	1	1,5	1,5	4	4,5	8,5	8	11	19	10	9		2,19
1845	42,50	36,32	64	10	54	1,5	2	1	1	5	7,5	12	5	25	7	6	2		2,58
1846	48,59	36,78	61	20	41		6	2	5		4	4,5	8,5	8	22	11	4	2	3,61
1847	45,68	36,41	69	8	61				1,5	2,5	10	8	8	6,5	23,5	14	5	3	3,65
1848	35,06	36,57	52	20	32		1	2,5	2,5	,5	4,5	6,5	12,5	7	23	4	12	3	1,80
1849	49,99	43,33	67	27	40	,5	3,5	,5	1	2,5	8,5	6,5	7	11	19	15	5		3,31
1850	46,39	37,97	74	20	54	1,5	2	1	1,5	3	7	6	8	12,5	17,5	8	3	2	3,35
Mean.	42,03	34,25				1,53	1,97	1,81	2,08	2,55	5,79	7,89	6,38	8,45	21,55				2,90
Total.						29	37,5	34,5	39,5	48,5	110	150	121	160,5	409,5				52,20

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	35,24	30,19	55	12	43	1	1	3,5	1,5	5,5	3,5	14	1	3	28	1,5	2,5	,5	2,12
1833	29,01	32,12	46	10	36	1	3	6	2,5	1,5	2,5	12,5	2	17	14	1	3,5		
1834	32,49	23,83	45	3	42	2,5	2	,5	3,5		8	4	10,5	10,5	20,5	,5	3,5		,53
1835	22,43	28,39	44	—	44	1	,5		4	4,5	6,5	10,5	4	3	28	1,5	3,5		,46
1836	33,24	23,25	56	3	53	1,5	1	1	2,5	1	12	5,5	6,5	4,5	26,5	1	3,5		1,58
1837	32,11	27,79	57	11	46	1,5	1	2	4,5	3,5	1,5	13,5	3,5	10	21	1	3		2,62
1838	25,72	18,95	40	1	39	,5		1		4,5	7,5	14,5	3	4,5	26,5	,5	3,5		1,06
1839	33,72	22,72	41	8	33		6,5	5	1,5	1	6,5	6	4,5	11,5	19,5		14		1,18
1840	29,56	21,44	41	5	36	3	1	2,5	,5	4,5	4,5	10,5	4,5	13	18	3	6		1,93
1841	37,74	23,47	50	8	42	,5	2,5	2	2	1,5	8,5	6,5	7,5	3,5	27,5	4,5	8,5	,5	2,53
1842	29,13	24,87	31	10	21	1	2	2	,5	2,5	5,5	10,5	7	4	27		8,5	,5	2,80
1843	29,13	34,35	44	6	38	1,5		3		1	13	6	6,5	3,5	27,5	5	10	3	1,90
1844	31,39	28,43	52	6	46	,5	2,5	1	6,5	,5	4	9	7	8	23	6	15	2	1,64
1845	23,78	23,79	39	5	34	1,5	2		2	2	2	8,5	13	4	27	1	17	2	1,42
1846	29,47	29,36	51	14	37	1	1	1,5	3,5	1	5	1,5	16,5	4	27	3	15	2	2,52
1847	35,70	21,21	54	—	10,64	3,5	14,5	,5		5	6,5	1		7	24	7	7		1,31
1848	37,27	31,62	61	12	49	1	6,5		3,5	1	6,5	8	4,5	9	22	5	9	7	4,11
1849	29,18	26,91	47	2	45	1,5	2,5		3,5	3	3	8,5	9	1	30	4	16	3	2,31
1850	27,90	21,26	54	1	53	,5	2,5	3,5	1	,5	4,5	7	11,5	5,5	25,5	3	23	1	5,28
Mean.	30,75	25,99				1,29	2,74	1,84	2,26	2,32	5,84	8,29	6,42	6,66	24,34				2,06
Total.						24,5	52	35	43	44	111	157,5	122	126,5	462,5				37,30

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	
	First Half.	Seco'd Half.																					
January, --	29,13	25,45	64	—9	73	1,71	2,28	,93	3,00	2,67	6,34	7,42	6,60	S 83° 47' W	40	11,97	8,66	22,84				1,91	34,39
February, -	23,00	27,88	62	—3	70	1,29	2,29	1,05	2,92	2,18	5,71	6,63	6,13	S 84 13 W	35	10,34	10,18	17,26				1,37	28,21
March, ---	30,45	35,69	76	—3	79	2,45	2,84	1,71	2,58	1,79	5,24	7,37	7,02	N 73 41 W	86	10,70	13,45	17,55				1,83	32,90
April, ----	43,05	48,09	88	11	77	2,87	3,37	1,45	2,13	1,79	4,71	5,89	7,29	N 77 05 W	47	14,02	15,21	14,79				2,01	36,21
May, -----	53,62	59,35	89	25	64	3,00	3,60	1,32	2,05	2,00	4,18	6,31	8,54	N 62 36 W	37	11,25	16,37	14,63				3,08	55,38
June, -----	62,92	66,83	97	35	62	2,34	3,55	,71	1,92	1,79	4,97	6,76	7,96	N 71 25 W	40	11,96	16,58	13,42				3,31	59,61
July, -----	67,49	70,45	102	34	63	2,31	3,58	,42	1,05	1,42	6,16	7,21	8,55	N 72 07 W	50	15,00	19,76	11,24				2,98	53,52
August, ---	67,29	66,23	98	44	54	2,44	3,87	,50	1,76	1,58	6,35	5,55	8,95	N 62 00 W	30	8,93	20,06	10,94				2,66	47,79
September, -	62,94	57,34	94	28	66	2,34	3,00	,97	1,55	2,42	6,95	5,47	7,30	N 52 44 W	25	8,30	17,45	12,55				3,15	56,64
October, --	50,57	45,01	80	22	58	2,42	2,47	,74	1,73	2,59	7,42	6,69	6,64	N 37 47 W	43	12,93	14,03	16,37				3,46	62,22
November, -	42,03	34,25	74	7	67	1,53	1,97	1,81	2,08	2,55	5,79	7,89	6,88	S 86 43 W	89	11,87	8,45	21,55				2,90	52,20
December, -	30,75	25,99	62	—4	66	1,29	2,74	1,84	2,26	2,32	5,84	8,29	6,42	S 88 31 W	89	11,60	6,66	14,34				2,06	37,30
Mean, ----	46,96	45,09				2,16	2,75	1,12	2,09	2,12	5,80	6,79	7,51	N 81° 58' W	39	11,74	13,90	6,54				2,56	46,86

Highest degree, July 1, 1843, - - - - - 102°
 Lowest degree, January 11, 1849, - - - - - —9°
 Extreme range in 19 years, - - - - - 111°
 Greatest monthly range in March.
 Least monthly range in August.

Mean monthly range, 67°.
 Driest month, February.
 Wettest month, June.
 Total fall of rain and snow in 18 years, 46 feet 4,32 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1830	22,38	25,43	35,40	54,34	54,68	62,80	73,44	68,87	59,66	54,99	46,60	32,71	49,27	98	-5	103	55	January 30,	July 22,	September 30,	November 29,
1833	30,95	28,01	34,16	52,70	61,94	62,60	68,69	66,31	62,27	44,33	35,68	30,56	48,18	91	2	89	66	March 2,	July 22,	October 5,	November 19,
1834	18,78	29,83	32,62	47,86	57,59	65,31	72,25	70,43	62,10	47,93	37,41	28,16	47,48	91	1	90	61	January 4,	July 25,	October 8,	November 6,
1835	31,15	21,16	33,31	48,10	56,30	63,18	76,05	67,22	56,74	51,51	39,72	25,41	47,40	89	-7	96	64	February 8,	July 25,	September 24,	November 23,
1836	24,71	18,42	29,00	42,32	54,22	66,87	70,15	68,28	59,04	41,36	36,49	28,24	44,01	90	-8	98	57	February 4,	July 7,	October 3,	October 6,
1837	21,23	26,16	30,69	40,95	54,84	64,39	68,78	67,19	60,71	48,15	41,53	29,95	43,71	91	-4	95	60	January 2,	July 30,	September 20,	November 24,
1838	31,60	16,39	36,27	37,21	57,23	67,29	74,13	61,00	60,73	48,84	32,11	22,76	45,04	99	1	98	60	December 30,	July 4,	October 4,	October 29,
1839	25,14	37,84	34,02	48,58	56,83	60,22	69,71	65,12	58,03	54,11	33,00	28,27	47,57	58	-2	90	54	January 23,	July 20,	September 13,	September 27,
1840	19,48	32,17	34,04	47,80	57,97	63,81	69,34	68,13	57,44	47,88	37,52	25,37	46,74	94	-2	96	64	January 16,	July 12,	October 13,	October 24,
1841	27,00	24,27	28,95	39,87	52,51	67,62	66,79	67,34	62,96	44,46	36,56	30,60	45,40	96	-3	99	66	January 3,	July 24,	October 6,	October 21,
1842	20,64	31,03	39,77	45,85	52,33	60,66	66,94	67,85	58,14	48,84	34,64	27,00	46,79	91	5	88	60	January 23,	Sept. 1,	September 25,	November 9,
1843	31,63	18,11	23,31	44,79	53,77	62,24	65,53	70,04	62,64	45,10	34,06	31,74	45,20	92	-6	98	55	February 17,	July 1,	September 11,	October 14,
1844	20,80	28,61	34,44	52,62	58,65	63,90	68,35	66,16	61,70	45,96	36,53	29,91	47,29	89	-2	91	72	January 27,	June 25,	September 23,	October 28,
1845	28,05	28,10	38,41	46,42	53,78	64,66	69,58	69,35	58,80	49,01	39,41	23,78	47,44	102	0	102	64	February 1,	July 13,	September 12,	October 12,
1846	27,56	22,79	34,80	47,36	64,20	64,45	69,87	69,86	65,71	47,39	42,67	29,41	43,66	96	1	95	57	February 26,	July 10,	October 3,	October 17,
1847	24,63	25,31	28,44	41,42	58,27	61,94	71,76	67,31	58,48	47,36	41,05	32,23	46,64	95	0	95	63	February 23,	July 19,	September 16,	October 11,
1848	30,66	23,56	32,25	44,70	59,72	67,05	69,23	72,81	56,20	49,33	35,51	34,35	48,55	94	0	94	70	January 10,	August 16,	September 27,	November 5,
1849	23,14	22,13	34,57	41,55	51,10	66,01	70,05	69,23	60,20	48,29	46,66	25,01	46,68	95	-3	104	56	February 16,	July 10,	October 9,	October 30,
1850	29,29	28,15	36,65	40,44	49,07	67,89	71,58	69,45	60,55	49,55	42,18	25,35	47,13	94	1	93	59	February 4,	July 17,	September 15,	October 23,
Mean.	26,25	25,92	32,90	45,57	56,05	64,62	69,76	67,71	60,11	47,83	38,89	28,62	46,79								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1830	27	22	35	20,5	23,5	72,5	100,5	64	S 89°22' W	36	132,01	165,5	199,5	51,5	20	4
1833	17	43,5	25	19,5	23	44	115	78	N 75 07 W	36	136,35	186	179	45,5	15	
1834	30	43	15,5	23,5	14	62	105	72	N 74 58 W	39	142,15	193	172	35,5	13	
1835	18,5	28	16,5	27,5	24,5	99,5	92,5	58	S 76 44 W	42	152,40	147,5	217,5	58	27,5	
1836	21	62,5	5	42,5	14	106	57,5	57,5	S 82 02 W	26	94,68	92,5	273,5	37	27,5	
1837	30,5	35	6	24	19	98,5	58	94	N 83 43 W	40	147,05	114,5	250,5	34,5	13	,5
1838	35	12	7	17	55	61	132	46	S 79 16 W	52	187,50	155,5	209,5	25	15,5	
1839	38	30,5	17	11	48	60	99,5	61	N 78 30 W	44	159,10	187,5	177,5	94	57	1
1840	9,5	36,5	9	19,5	21	110	68,5	92	S 54 42 W	45	165,00	236	130	76	33	5
1841	50,5	38,5	20	16,5	14,5	70,5	77,5	79,5	N 64 09 W	35	128,00	200	165	32,5	24,5	2,5
1842	31	46,5	12	15	37	71,5	79,5	72,5	N 82 19 W	35	126,80	180,5	184,5	50	22,5	2
1843	27	34,5	12,5	30	14	63	88	96	N 73 17 W	36	139,50	145,5	219,5	87	71	16
1844	28	47,5	12,5	26,5	27,5	52	73,5	98,5	N 67 04 W	34	123,70	170	196	124	70	9
1845	27,5	19,5	6	21	20,5	50,5	73,5	146,5	N 67 58 W	54	196,50	154,5	210,5	105	74	17
1846	23	43,5	14	38,5	13,5	47,5	75,5	109,5	N 63 44 W	34	120,00	163,5	202,5	99	65	13,5
1847	14	32,5	8	38,5	33,5	68	68	102,5	N 89 46 W	35	130,37	166,5	198,5	119	56	33
1848	17,5	24,5	11,5	33	23,5	62,5	67	126,5	N 77 25 W	42	152,12	188,5	177,5	111	57	23
1849	33	26,5	7	25,5	28	59	55	120,5	N 70 27 W	40	147,03	162	203	119	69	14
1850	19,5	43,5	14,5	29,5	21,5	69,5	71	96	N 76 24 W	29	108,54	158,5	206,5	119	69	11
Mean.	26,18	35,26	13,37	25,21	25,00	69,87	81,90	87,92	N 81°17' W	36	138,91	166,71	198,73			
Total.	497,5	670	254	479	475,5	1327,5	1555	1670,5				3167,5	3772,5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1830	1.68	.22	3.42	1.32	3.51	8.35	1.99	1.91	3.93	1.04	4.70	2.12	34.94	February.	June.
1831	1.11	.73	.78	1.60	.91	1.61	1.45	1.38	1.89	4.06	1.99	.53	17.84	January.	October.
1832	1.15	.81	.60	4.46	.79	5.42	1.83	3.57	2.63	4.56	3.25	.46	28.60	December.	June.
1833	2.40	.59	.55	1.70	6.12	2.77	2.74	1.29	2.30	2.66	3.25	1.58	27.95	March.	May.
1837	.16	2.50	3.00	.50	2.82	2.53	1.11	3.72	2.34	5.10	4.16	2.62	30.61	January.	October.
1838	1.70	1.70	1.24	2.14	4.91	1.33	3.04	2.59	.87	3.20	1.68	1.06	25.46	September.	May.
1839	2.40	2.05	1.35	2.48	4.90	3.40	4.20	3.56	1.19	.56	2.82	1.18	30.09	October.	May.
1840	1.16	1.37	1.40	2.22	4.13	2.63	3.11	4.09	2.51	2.93	1.71	1.93	29.34	January.	May.
1841	2.13	.21	3.55	3.27	1.17	1.29	4.58	1.60	6.14	1.21	4.65	2.53	30.53	February.	September.
1842	1.13	2.12	2.89	2.48	2.18	3.66	3.69	1.42	5.19	2.20	3.43	2.80	33.19	January.	September.
1843	2.79	2.62	2.09	2.22	1.83	2.93	2.12	.70	5.52	4.42	1.07	1.90	30.21	August.	September.
1844	2.21	.37	1.14	.72	4.18	3.19	3.30	1.74	.64	4.81	2.19	1.64	26.17	February.	October.
1845	3.51	2.01	2.62	2.49	2.65	4.48	2.75	2.77	4.72	2.84	2.58	1.42	34.44	December.	June.
1846	2.18	2.92	1.53	1.18	2.31	4.96	2.49	3.85	2.76	6.79	3.61	2.72	37.13	April.	October.
1847	3.01	3.71	.92	2.65	1.73	2.65	2.05	5.27	4.25	4.94	3.65	1.31	35.99	March.	August.
1848	2.25	1.04	1.77	.78	4.44	2.13	6.16	2.78	2.96	1.77	1.80	4.11	32.03	April.	July.
1849	1.39	1.29	2.35	1.44	3.81	4.33	.94	3.62	3.91	4.17	3.31	2.31	32.57	July.	June.
1850	3.03	1.95	1.70	2.56	2.87	1.54	5.97	1.93	2.95	5.06	3.35	5.28	32.47	March.	July.
Mean.	1.91	1.37	1.83	2.01	3.03	3.31	2.93	2.66	3.15	3.46	2.90	2.06			
Total.	34.39	28.21	32.90	36.21	55.33	59.61	53.52	47.79	56.64	62.22	52.20	37.30			

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1830	3	30	10	7	20	8	20	2	4	6	15	21	20	13	23	25	5	28	13	24	15	29	3	22
1833	4	17	9	6	20	2	29	13	18	14	30	3	22	6	21	29	4	22	16	30	14	4	30	14
1834	17	4	21	7	18	22	14	3	24	14	12	10	25	10	7	28	3	29	1	24	4	16	5	14
1835	15	4	21	8	31	1	11	17	28	8	4	7	25	12	13	4	5	30	17	31	4	29	25	16
1836	5	27	22	4	27	2	27	11	15	13	18	13	7	26	28	30	19	28	1	25	11	25	9	22
1837	31	2	1	13	7	1	29	4	31	1	30	23	30	24	2	22	6	23	23	8	21	25	2	22
1838	7	30	8	21	23	2	5	16	21	8	10	1	4	21	21	27	5	1	2	31	4	25	11	30
1839	11	23	24	9	29	3	6	8	24	3	8	2	20	4	20	29	18	27	27	20	14	26	8	28
1840	30	16	19	4	3	10	25	7	18	5	29	1	12	2	20	15	9	21	2	26	3	30	9	24
1841	7	3	22	11	26	17	26	10	23	3	29	3	24	3	18	23	10	30	31	25	1	29	9	21
1842	19	23	3	17	3	12	22	8	18	9	30	11	23	31	23	1	1	22	1	27	6	29	4	23
1843	21	3	25	17	28	5	26	2	14	31	27	1	1	11	13	22	3	27	6	31	24	27	26	12
1844	16	27	20	9	28	18	23	1	25	21	25	11	9	26	16	28	20	27	2	29	12	27	26	28
1845	28	31	25	1	30	15	30	8	12	29	8	30	13	31	17	31	29	21	4	21	1	28	14	19
1846	30	19	3	27	24	1	21	13	26	11	30	21	10	15	5	18	7	28	7	22	9	25	27	12
1847	15	21	2	23	20	16	21	1	28	1	27	15	19	27	15	19	8	14	18	27	2	29	10	26
1848	1	10	20	11	31	14	10	19	5	13	17	12	21	16	16	17	4	22	10	18	4	10	19	22
1849	25	11	28	16	20	3	4	14	22	5	22	5	10	2	20	15	16	8	28	31	7	29	19	25
1850	11	1	26	4	13	3	27	9	28	21	19	1	17	26	9	27	1	29	11	29	5	22	3	31

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	
1830	49	—5	54	6	65	10	84	30	84	30	88	48	98	54	98	48	90	38	80	28	68	30	55	12	
1833	64	6	46	12	68	2	84	30	86	48	85	45	91	51	88	46	80	41	68	30	64	12	46	10	
1834	48	2	62	1	66	8	83	23	84	29	88	42	93	50	92	55	86	32	74	32	64	17	45	3	
1835	50	—4	47	—7	64	0	78	28	82	40	85	52	87	34	89	50	85	32	73	32	62	10	47	—4	
1836	40	2	48	—8	59	6	76	20	85	29	86	44	90	45	82	46	85	28	68	22	63	13	56	3	
1837	39	—4	46	0	54	—2	76	29	85	25	84	51	88	51	91	50	82	40	78	26	63	18	57	11	
1838	60	5	38	1	64	4	58	20	84	33	97	48	99	54	94	48	86	44	78	25	58	8	40	1	
1839	48	—2	46	1	67	6	76	30	88	34	82	45	92	52	88	44	79	30	76	31	48	7	41	8	
1840	50	—2	60	3	58	12	88	24	88	34	84	44	94	45	87	50	77	36	78	25	61	22	41	5	
1841	48	—3	42	1	63	—3	76	22	84	28	90	46	96	50	90	48	85	43	71	24	74	18	50	8	
1842	59	5	60	7	66	12	82	22	81	32	86	36	91	46	89	46	90	38	72	30	64	14	31	10	
1843	60	8	38	—6	50	4	72	19	86	38	90	35	92	51	90	54	89	36	71	28	54	16	44	6	
1844	45	0	48	—2	60	14	83	11	86	35	86	39	89	45	87	50	89	32	72	29	60	44	52	6	
1845	51	0	57	3	76	12	76	20	87	33	88	45	102	48	93	53	85	38	76	23	64	10	39	5	
1846	45	4	45	1	55	4	80	23	89	35	85	43	96	51	94	45	94	43	78	23	61	20	51	14	
1847	54	4	45	0	57	11	76	13	82	37	87	42	95	50	84	54	85	40	72	25	69	8	62	10	
1848	61	0	49	6	76	6	76	27	87	37	94	39	92	52	94	56	84	30	72	28	52	20	61	12	
1849	47	—9	48	—7	54	12	74	20	85	30	93	42	95	47	90	56	82	40	72	32	67	27	47	2	
1850	42	12	48	4	50	14	79	20	77	32	94	43	93	50	89	53	86	36	76	30	74	20	54	1	
Highest.	64		62		76		88		89		97		102		98		94		80		74		62		
Lowest.		—9		—8		—3		11		25		35		34		44		28		22		7		—4	
Range.		73		70		79		77		64		62		68		54		66		58		67		66	

SUMMARY OF OBSERVATIONS AT ST. LAWRENCE ACADEMY,

POTSDAM, ST. LAWRENCE COUNTY, N. Y., DURING TWENTY-ONE YEARS.

Latitude N. 44° 40'; Longitude W. 75° 01'. Elevation above tide 394 feet. On the Racket river, 169 feet above the St. Lawrence, at Ogdensburgh.

OBSERVERS.

1828, J. B. HALE and IRA PETTIBONE, Teachers.
1829, IRA PETTIBONE and SEYMOUR SHERMAN.
1830, S. C. SHERMAN and N. H. LOSEY, Teachers.
1831, N. H. LOSEY, E. O. MARTIN and E. H. FARRAR, Teachers.
1832, E. H. FARRAR, T. PHELPS and J. CASWELL, Teachers.
1833, J. CASWELL, Teacher.
1834, JESSE CASWELL and AUSTIN B. TAYLOR, Teachers.
1835, JUSTIN B. TAYLOR and SAM'L R. THRALL.
1836, S. R. THRALL and J. W. PEET, Teachers.
1837, J. W. PEET and S. F. BATES, Teachers.

1838, S. F. BATES and D. S. SHELDON, Teachers.
1839, '40, D. S. SHELDON and H. H. PECK, Teachers.
1841, H. H. PECK, Professor of Mathematics.
1842, HENRY WATKINS and HORACE FOOTE, Teachers.
1843, '44, HENRY WATKINS, Teacher of Mathematics.
1845, H. W. WATKINS and A. BARNES, Teachers.
1846, AZRO BARNES, Teacher.
1847, A. BARNES and SAM'L BULL, Teachers.
1848, SAMUEL G. BULL.

JANUARY.																			
YEARS	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	28,90	16,60	47	-13	60	2,5				7	2,5	8	11	17	14	2	7	2	3,50
1829	26,41	18,72	49	-23	72	4	6		,5	5,5	4,5	4,5	6	12	19	1	6	1	,59
1830	19,15	6,87	40	-20	60	4,5	4			6,5	7	5	4	11,5	19,5		8,5		,63
1831	16,90	11,10	54	-20	74	1	4		,5	2,5	10,5	4,5	8	14,5	16,5	1	2,5		,60
1832	16,76	18,58	47	-29	76	,5	4,5	,5		4,5	12	2	7	10	21	2,5	4,5		,60
1833	23,03	14,67	52	-24	76	3,5	4,5			4,5	10,5		8	6,5	24,5	3	5		1,25
1834	14,57	12,08	43	-17	60	1	5,5		1,5	2,5	10,5	3	7	11	20	2	3,5		,35
1835	10,91	30,13	48	-30	78	2	8,5	1	,5	1,5	10	3	4,5	14,5	16,5	1,5	5	,5	1,43
1836	22,23	16,20	37	-20	57	4,5	6,5			2,5	14	3,5	6	25		1	7	,5	,36
1837	1,82	16,58	41	-24	65	6			,5	13,5	1,5	7	2,5	20	11		2		,74
1838	30,84	16,72	52	-19	71	,5	5,5		,5	7	9,5	4	4	8,5	22,5	3	2,5		2,66
1839	25,61	11,97	47	-17	64		6,5		3	,5	14	3,5	3,5	7,5	23,5	3	7,5	1	2,70
1840	7,04	10,14	46	-34	80		7		,5	,5	18,5	,5	4	9	22		11,5	3	1,02
1841	21,96	28,95	54	-16	70	3	3,5	,5	,5	6,5	2,5	2	12,5	10,5	20,5	2	3,5		,91
1842	15,17	26,39	55	-18	73	3,5	1,5		1	9	11,5	4	,5	16	15	3	3		1,00
1843	25,25	13,29	57	-11	68	3	9	,5		3	8,5	5,5	1,5	8,5	22,5	5	5	1	2,71
1844	13,21	5,16	39	-28	67	1	7,5		,5	4,5	6,5	5	6	14,5	16,5	3	10	1	3,05
1845	21,56	18,15	47	-12	59	,5	13		,5	1,5	11	1,5	3	8	23	2	13		2,34
1846	24,62	14,03	43	-17	60	1,5	8,5		,5	1,5	11,5	5	2,5	7,5	23,5	2	10	2	1,16
1847	26,36	12,60	38	-14	52	,5	4,5		,5	3,5	15	2,5	4,5	16	15	3	8	6	
1848	21,52	27,64	56	-27	83	2	4,5		1,5	3,5	12	2,5	5	13,5	17,5	5	7		,55
Mean.	19,71	16,50				2,15	5,46	,12	,59	4,35	9,69	3,48	5,16	11,55	19,45				1,40
Total.						45	114,5	2,5	12,5	91,5	203,5	73	108,5	242,5	408,5				28,15

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	28,47	29,28	58	0	58	2,5	,5		1	8	8	1	8	13,5	15,5	4	4	1	2,05
1829	14,22	12,10	36	-20	56	2	5,5	,5	,5	1,5	9	5,5	3,5	10	18		4		1,66
1830	7,78	28,71	51	-27	78		8,5	,5	,5	2	8,5	3	5	17	11		1		,03
1831	16,28	23,73	51	-6	57	1	2			1,5	12,5	8,5	2,5	13,5	14,5	1	6		,66
1832	16,63	16,64	37	-25	62	1	8		,5	2,5	7	1,5	8,5	4	25	1,5	6	,5	1,80
1833	8,13	13,97	43	-25	68	1	3		2	6,5	10	1	4,5	13	15		6		,79
1834	23,47	33,23	56	-8	64	2,5	5,5	,5	1	3	10	2	3,5	13	15	3,5	2,5		,57
1835	8,16	21,67	44	-28	72	1,5	4,5			,5	12	2,5	7	14,5	13,5	1,5	6		1,53
1836	6,70	16,07	51	-28	79	4	3,5		1,5	3	11	,5	5,5	16,5	12,5	1,5	5,5		1,03
1837	16,82	21,32	36	-20	56	9,5	4,5	,5		12	1,5			14	14		4		1,31
1838	11,20	7,74	28	-15	43	4,5	2			1	6	7	7,5	13,5	14,5		2,5		,80
1839	14,33	33,02	46	-12	58		9		4	1	10,5	1	2,5	4	24	1,5	6	,5	,70
1840	21,02	29,11	53	-32	85	,5	6	,5	1	3	14		4	2,5	26,5	5,5	6,5	1	1,38
1841	18,17	25,38	50	-3	53		1,5	,5	3,5	4		2	16,5	17	11	2,5			,29
1842	27,10	19,24	55	-17	72	4	2,5		1	7,5	6,5	2,5	4	11	17	4	6		1,50
1843	13,29	13,87	33	-12	45	1	3,5			3,5	15,5	3	1,5	10	18	1	8		1,15
1844	18,65	23,60	46	-12	58	5,5	5	,5		7,5	6	1,5	3	14,5	14,5	1	7		,83
1845	8,39	35,65	52	-18	70	,5	7,5		1	1,5	12	3,5	2	9,5	18,5	2	5	3	2,89
1846	17,83	13,05	42	-22	64		8		,5	1,5	10,5	1,5	6	12	16		6		,56
1847	22,47	12,61	46	-18	64	1	9,5		2,5	2	9,5	1,5	2	8	20	1	8	2	
1848	17,01	23,98	50	-15	65	3	4,5		,5	2,5	9,5	3	6	18,5	10,5	1	4		,28
Mean.	16,00	21,61				2,19	4,97	,16	1,00	3,59	9,02	2,47	4,90	11,88	16,40				1,06
Total.						45	104,5	3,5	21	75,5	189,5	52	103	249,5	344,5				21,31

MARCH.

1828	23,92	37,68	76	-2	78	4	4,5		1	9	4	2,5	6	22	9	3	6		,51
1829	26,83	27,18	56	-4	52	,5	3,5			3	12	3	9	9,5	21,5	1	2		,65
1830	26,77	36,13	59	-12	71		10,5		,5	4	9,5	1,5	5	14,5	16,5	3	3,5	,5	2,56
1831	35,99	34,89	64	-11	53	1	1,5	1		8	12	3,5	4	10	21	4,5	2,5		2,90
1832	30,73	32,52	68	-9	77	1,5	3,5	1		7,5	6,5	4	7	11,5	19,5	2	4		,58
1833	12,31	35,48	56	-27	83	2,5	4		1,5	4,5	9	,5	9	14,5	16,5	2,5	3		,86
1834	29,68	29,72	62	0	62	1,5	4		1,5	5	11	,5	7,5	14	17	4	2		2,32
1835	26,26	29,25	57	-12	69	2	7,5		1	,5	11	3	6	17,5	13,5	1,5	2,5		,47
1836	20,44	29,41	51	-6	57	1,5	5,5		,5	5	14	1	3,5	15	16	1	2,5		,40
1837	25,81	31,43	42	-28	70	2	3		1	21	2	1,5	,5	15	16	3	1		2,80
1838	30,53	36,66	68	-11	79	5	10	,5	1	4,5	7,5	,5	2	12,5	18,5	1	3		1,04
1839	28,23	34,84	56	0	56		6		1	1,5	14	2	6,5	10,5	20,5	2	3		1,20
1840	27,12	32,09	56	0	56	,5	9		1	1	13	1	5,5	6,5	24,5	6,5	7		2,31
1841	20,86	34,22	62	-4	66	1,5	6,5		1	6	1,5	5,5	9	15,5	15,5	1,5	6		,94
1842	34,05	34,13	62	12	50	3,5	6	,5		8	8	1,5	3,5	13	18	6	3	1	2,00
1843	21,78	28,95	50	-4	54		3,5	,5	,5	4	14	5	3,5	11,5	19,5	1	9	1	3,32
1844	33,54	27,19	49	-2	51	1,5	7,5	,5	,5	4,5	9	2,5	5	14,5	16,5	6	6		1,77
1845	33,94	36,70	70	14	56	,5	7,5		,5	3	11,5	3	5	13,5	17,5	4	10		1,80
1846	30,54	39,03	54	-22	76		4,5	,5	1,5	5,5	10,5	3,5	5	17,5	13,5	4	2		,82
1847	22,76	27,48	52	-4	56	1,5	8	,5	1	4	12	,5	3,5	17,5	13,5	3	5		
1848	20,86	37,85	65	-5	70		9		,5	1,5	12	2	6	15,5	15,5	5	10	1	,42
Mean.	26,81	32,99				1,46	5,95	,25	,74	5,29	9,71	2,27	5,33	13,89	17,11				1,48
Total.						30,5	125	5	15,5	111	204	48	112	291,5	359,5				29,67

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	33,24	41,71	60	20	40	6,5	3	2	1,5	2,5	4,5	3,5	6,5	20	10	8		1	1,79
1829	40,21	45,26	68	25	43	1	5	,5	1	4,5	11,5	,5	6	10,5	19,5	2	3	1	2,22
1830	45,04	56,81	81	21	60	1,5	9,5		2,5	1	7	1	7,5	16,5	13,5	1,5			,20
1831	41,59	48,02	65	23	42	1	8		,5	,5	11	2,5	6,5	10	20	5	1,5		2,40
1832	36,27	43,51	68	11	57	5,5	8,5	2	1	3	5,5	,5	4	14,5	15,5	3,5	1		1,26
1833	41,89	47,41	82	14	68	1,5	4,5		,5	5,5	11		7	18	12	8			1,87
1834	49,69	41,98	78	23	55	1	8		2,5	5	4,5	2,5	6,5	16,5	13,5	4	1		2,60
1835	43,57	38,20	73	15	58	2	8,5		,5	2	7,5	4	5,5	12	18	5	5	,5	2,59
1836	34,12	45,91	70	3	67	2	2,5	,5		5,5	8	2,5	9	17,5	12,5	3,5	4	,5	,58
1837	36,88	45,24	62	18	44	1,5	1			19,5	4	2	2	20,5	9,5	3,5	1		1,55
1838	37,20	38,99	64	13	51	3	4		2,5	,5	12	1	7	10,5	19,5	4,5	1	,5	1,31
1839	44,25	48,21	78	26	52	1,5	8		1	3	8	1,5	7	16,5	13,5	5,5	,5		,34
1840	40,36	51,14	84	21	63	,5	,5	,5	1,5	3	14,5	,5	9	8	22	9	1,5		3,91
1841	30,96	42,95	75	11	64	1	4,5	1	3,5	11,5		1,5	7	16,5	13,5	9,5	2	,5	1,88
1842	39,24	46,17	78	10	68	2	11,5		,5	5,5	8	1	1,5	12,5	17,5	5	1	1	1,85
1843	41,59	50,35	70	11	59	5	5,5		1	6,5	8	1,5	2,5	10,5	19,5	7	4		2,47
1844	52,19	52,12	80	19	61	2	7,5		1	3,5	11,5	2	2,5	16,5	13,5	7			1,08
1845	36,14	50,46	76	19	57		6	,5	1,5	5	9,5	3	4,5	9	21	10	6		3,19
1846	42,44	53,32	75	22	53	1,5	9			4,5	8,5	3	3,5	16,5	13,5	8	3		,65
1847	36,28	37,75	58	—1	59	1	4	1	1	1,5	11	4,5	6	10	20	9	4		
1848	44,14	44,31	70	24	46	,5	6,5			1,5	12,5	4	5	22	8	6	2	1	,39
Mean.	40,34	46,18				1,97	5,97	,38	1,12	4,53	8,48	2,03	5,52	14,50	15,50				1,70
Total.						41,5	125,5	8	23,5	95	178	42,5	116	304,5	325,5				34,13
MAY.																			
1828	57,57	56,73	78	32	46	1	4,5	1	,5	9,5	5,5	1,5	7,5	16,5	14,5	8			3,44
1829	52,09	66,58	84	34	50	,5	6,5		,5	4	16	1	2,5	20,5	10,5	3	1		3,20
1830	54,13	53,17	86	28	58	4	1			4	13,5	2,5	6	16	15	3			2,72
1831	50,71	61,42	88	32	56	1	3,5	,5	,5	3,5	16,5	4	1,5	16,5	14,5	2	1	,5	3,64
1832	52,27	52,21	83	28	55	3,5	6	1	2,5	2,5	8,5	2	5	15,5	15,5	9			2,31
1833	54,51	58,73	83	25	58	2	6		1,5	7	9	1	4	14	17	7,5			4,30
1834	43,16	59,88	86	23	63		4,5		5	3,5	11,5	2	4	14	17	5	1		3,22
1835	49,75	59,20	83	28	55	4	3		1	1,5	8,5	2	10,5	25,5	5,5	4,5			2,58
1836	55,34	54,39	84	25	59	2	7,5	,5	2	3	9	,5	6,5	16	15	7	1		3,53
1837	49,66	53,95	86	20	66	4,5	1,5	2,5	3	12	4	3	,5	20	11	5			3,49
1838	50,97	55,82	80	29	51		7	,5	1	1	17,5	,5	3,5	8	23	6,5			3,73
1839	52,19	57,68	78	30	48	1,5	7		1	3,5	14	1	3	14,5	16,5	9,5	1		2,08
1840	49,63	66,17	94	30	64		11,5			3,5	13,5	1	5	11	20	7,5	1	1	2,70
1841	41,05	54,89	83	26	57	3	4		1,5	3,5	1,5	9,5	8	19	12	6		,5	3,35
1842	45,77	52,76	74	28	46	2,5	3		2	9	9,5	2	3	12	19	9			2,15
1843	55,15	54,74	81	34	47	1,5	4		,5	5	12	4	4	12,5	18,5	11			1,93
1844	55,71	59,33	78	33	45	,5	1,5	,5	2	4,5	17,5	1,5	3	9	22	16			3,37
1845	55,86	51,85	88	31	57	5	1,5			3,5	14	4	3	17	14	9	2	5	3,50
1846	57,06	61,13	83	32	51	2	7			4	10,5	3,5	4	15	16	12	1		3,51
1847	55,18	59,13	79	31	48	,5	13		3,5	,5	11,5		2	19,5	11,5	5			
1848	61,28	63,57	89	34	55		6	1,5		1	18	1	3,5	19,5	11,5	11			1,77
Mean.	52,33	57,77				1,86	5,21	,38	1,33	4,10	11,50	2,34	4,28	15,78	15,22				3,03
Total.						39	109,5	8	28	86	241,5	49	90	331,5	319,5				60,52

JUNE.																			
THERMOMETER.						WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
YEARS.	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	63,14	73,43	95	42	53	2			,5	9,5	9,5	1,5	7	22	8	5			2,53
1829	66,65	60,48	89	44	45	1,5	3,5	,5	1	5,5	9,5	5,5	3	19,5	10,5	7			4,81
1830	61,41	62,65	83	45	38		4		,5	2	18	1,5	4	15,5	14,5	7,5			5,86
1831	72,37	63,24	93	40	53	3,5	3		1,5	2	12	4	4	20,5	9,5	5,5			2,91
1832	62,30	66,27	84	44	40	1	9		,5	,5	6,5	6	6,5	19,5	10,5	4			1,52
1833	52,14	61,35	83	35	48		,5	1	1,5	3,5	14,5	3	6	13	17	7			4,48
1834	58,29	60,29	88	36	52	1	5,5	,5	2,5	3,5	7,5	2	7,5	15,5	14,5	7			3,81
1835	67,82	60,95	88	45	43	2	3,5	,5		4,5	15	2	2,5	21,5	8,5	6			2,48
1836	64,72	62,14	84	41	43	2	9	,5	4,5	2,5	7	,5	4	17	13	6,5			3,31
1837	65,35	58,64	84	44	40	3,5	1,5	,5	,5	18,5	3,5	1	1	25	5	3			1,91
1838	66,34	71,42	90	50	40		5		1		21,5		2,5	8,5	21,5	8,5			4,40
1839	59,73	64,25	80	45	35	1,5	9,5			3,5	12,5	2	1	13	17	8			3,17
1840	65,06	68,49	91	43	48		3		1,5	1	19	1	4,5	9,5	20,5	9			3,19
1841	68,29	69,22	88	50	38	2	3,5		5	2	,5	5,5	11,5	20	10	5			3,23
1842	55,21	64,04	86	32	54	1,5	1,5	,5	1	10,5	9	2,5	3,5	17,5	12,5	12			3,07
1843	55,59	67,94	90	39	51	1,5	3,5	1	1	3	15,5	2,5	2	16	14	11			5,03
1844	59,25	68,73	85	39	46	1	5		,5	3,5	16	1,5	2,5	9,5	20,5	10			1,86
1845	68,57	62,71	88	41	47	1	2		1	2,5	21	,5	2	17,5	12,5	10			4,12
1846	64,04	64,36	87	44	43	2,5	8,5	,5		1	12	,5	5	16,5	13,5	11			1,98
1847	59,73	65,75	85	38	47		1,5		,5	3,5	17	2,5	5	12	18	14			
1848	61,64	72,78	92	37	55		,5	,5	,5	2,5	14	3	9	20	10	14			2,58
Mean.	62,74	65,19				1,33	3,99	,24	1,19	4,04	12,43	2,31	4,47	16,62	13,38				3,31
Total.						28	83,5	5	25	85	261	48,5	94	349	281				66,25
JULY.																			
1828	63,28	69,14	85	48	37	2		,5		5	16	2,5	5	20,5	10,5	8			5,45
1829	63,91	67,88	85	45	40	1	1,5		,5	,5	14,5	3,5	9,5	13	18	5			3,91
1830	66,04	74,52	90	51	39	1,5	5				15,5	1	8	19	12	7			6,90
1831	68,11	67,04	90	42	48		,5		1	1	22	3,5	2,5	20,5	10,5	3,5			3,94
1832	70,73	66,77	87	52	35	7		,5		2,5	12	5,5	3,5	22	9	6,5			2,87
1833	64,52	62,09	82	43	39	3	1,5			4	15,5	,5	6,5	14	17	10			6,87
1834	70,33	68,06	93	40	53		1,5		,5	9,5	14,5		5	18	13	4,5			2,53
1835	66,66	70,35	86	47	39	1,5	2			3	23,5	1		22,5	8,5	8			4,30
1836	71,48	65,19	90	41	49		5,5		1	5	12,5	,5	6,5	23,5	7,5	4,5			3,26
1837	63,66	68,62	85	52	33		,5	2	,5	1,5	19,5		7	25	6	3			2,87
1838	75,43	71,76	96	50	46	1	2,5		1	,5	20,5		5,5	12	19	5,5			3,11
1839	68,90	72,15	94	52	42	2,5	2		1	8	14	,5	3	12,5	18,5	7,5			4,81
1840	73,03	73,01	93	52	41		,5	1,5	2	2	18,5	2	4,5	7	24	7			4,18
1841	65,14	66,99	89	52	37		3		3,5	,5	2,5	3,5	18	22,5	8,5	4,5			1,10
1842	67,27	67,46	91	42	49	2	1			4,5	15,5	3	5	15,5	15,5	7			4,92
1843	63,32	65,69	90	48	42	2,5	1		2,5	7	13	1,5	3,5	19	12	10			3,83
1844	66,61	70,94	82	46	36		2		1	,5	26,5	,5	,5	22	9	9			3,10
1845	68,95	65,56	94	47	47		1,5	,5	3,5	3	15,5	2	5	15,5	15,5	8			2,48
1846	69,51	70,87	94	46	48		3,5		5	5,5	10,5	,5	6	16,5	14,5	5			2,71
1847	73,87	68,75	95	46	49	2,5	5		1	7	11,5		4	23,5	7,5	3			
1848	69,15	69,42	89	54	35		7		1	1,5	19,5		2	14,5	16,5	18			7,56
Mean.	68,09	68,68				1,34	2,38	,08	1,24	4,29	15,24	1,50	4,93	18,02	12,98				4,03
Total.						28	50	1,5	26	90	320,5	31,5	103,5	378,5	272,5				80,70

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	67,57	69,69	88	48	40	3,5	,5	,5		3	15,5	5	3	25,5	5,5	5			4,05
1829	67,31	64,72	84	37	47		2,5		1	2,5	13,5	2,5	9	17,5	13,5	2			1,36
1830	66,17	64,85	85	43	42	5	1,5		1	2	9,5	6	6	23,5	7,5	6			2,65
1831	67,08	61,77	90	44	46	3,5	3	1			14,5	1,5	7,5	19	12	4			3,08
1832	70,81	64,36	89	38	51	2	2	,5		4	15	3	4,5	21,5	9,5	1,5			1,34
1833	58,80	62,21	85	40	45	3,5	3		1	6	12		5,5	17	14	8			7,86
1834	68,29	63,33	89	46	43	3	2		1	4,5	7	6,5	7	19	12	2			1,40
1835	70,16	62,41	90	44	46		1,5			1	20,5	2,5	5,5	19,5	11,5	4			4,48
1836	62,54	62,47	85	41	44	3	2	1	,5	4	10,5	4	6	17	14	5,5			3,25
1837	66,69	63,83	85	52	33	,5	4		1,5	6,5	9,5	4,5	4,5	16	15	4,5			3,13
1838	71,34	67,09	95	44	51		1			,5	20,5		9	14	17	4,5			2,06
1839	63,97	64,70	92	34	58	6	2,5			1,5	14,5	1	5,5	24	7	4			2,20
1840	68,21	72,35	94	50	44		2,5		1	8,5	16	1,5	1,5	4,5	26,5	13			3,18
1841	66,92	67,71	89	44	45	2,5	5,5	,5		1	4,5	1,5	15,5	24	7	1,5			1,34
1842	66,17	68,07	86	38	48	6,5	7	3,5	,5	5	5	3	,5	17,5	13,5	5			2,08
1843	68,42	67,89	90	53	37	1	5		2,5	7,5	12	1,5	1,5	17	14	7			1,43
1844	65,12	63,48	85	44	41	,5	2,5	1,5	2	6,5	17		1	13,5	17,5	15			7,05
1845	69,84	70,94	92	50	42		4		5,5	3,5	9,5	3,5	5	21,5	9,5	4			,31
1846	72,87	68,21	92	44	48	1	2		3,5	3,5	16		5	23	8	2			1,42
1847	71,85	65,22	90	50	40	1	2,5		1	8,5	15,5	1	1,5	20,5	10,5	4			
1848	71,79	65,62	89	48	41	1,5	8,5			3	14	2,5	1,5	22	9	9			2,51
Mean.	67,71	65,76				2,07	3,09	,40	1,08	3,93	12,95	2,43	5,05	18,90	12,10				2,81
Total.						44	65	8,5	22,5	82,5	272	51	106	397	254				56,18
SEPTEMBER.																			
1828	57,75	59,16	82	40	42		6	1		4,5	13,5	2,5	2,5	15	15	9			4,60
1829	57,01	50,90	82	32	50	1			1,5	1,5	11,5	5	9,5	14	16	5			2,71
1830	58,47	52,97	73	30	43	2	3,5		,5	3,5	9,5	3,5	7,5	17,5	12,5	6,5			3,52
1831	62,64	53,53	77	39	38	3,5			,5	1,5	15	2,5	7	12	18	5			4,65
1832	55,77	63,00	86	34	52		2,5			4,5	18	3	2	19	11	3,5			2,74
1833	53,56	56,34	73	31	42	1,5	3,5		1	3,5	12	1	7,5	19	11	5,5			4,32
1834	64,29	56,36	87	26	61		,5			1,5	23	1	4	18,5	11,5	4,5			2,16
1835	57,03	51,56	81	24	57	2,5			2	8	11,5	1,5	4,5	17	13	3,5			2,34
1836	60,63	59,95	84	26	58	2,5	2		2	6,5	10	3	4	21,5	8,5	2,5			,47
1837	60,33	55,75	82	30	52	1,5	3,5	,5	,5	4,5	12,5	4	3	15	15	4,5			3,46
1838	64,10	60,49	88	35	43	3,5	4,5			,5	17,5		4	12	18	4,5			2,39
1839	61,11	53,11	83	34	49	,5	2,5		,5	8	12,5	2	4	13	17	6	,5		3,03
1840	58,00	51,82	78	32	46	2,5	1,5		2	4	14,5	,5	5	15	15	11			2,95
1841	63,96	56,74	86	36	50	4,5	13,5	1	1,5	3	2	1,5	3	20	10	4,5			3,82
1842	57,85	48,35	79	23	56	1	6		1	3,5	10,5	3	5	11,5	18,5	7			3,07
1843	60,74	56,66	84	32	52	4,5	7		1	5	8	2,5	2	12,5	17,5	6			1,75
1844	67,48	50,06	85	23	62	2	2,5		1	3	11,5	3,5	6,5	18,5	11,5	3			,96
1845	57,58	55,24	76	34	42	,5	1,5	1	2	4	9	4,5	7,5	11,5	18,5	18			4,84
1836	69,28	56,82	89	37	52	1	6	,5			19	2,5	1	12,5	17,5	10			5,13
1847	61,97	55,84	84	37	47	1	6,5		,5	2,5	12	,5	7	15	15	9			
1848	58,07	49,62	76	28	48		1			4,5	16	1	7,5	16	14	15			3,26
Mean.	60,36	54,96				1,69	3,52	,19	,84	3,69	12,81	2,31	4,95	15,52	14,48				3,11
Total.						35,5	74	4	17,5	77,5	269	48,5	104	326	304				62,17

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1828	49,67	42,96	72	19	53					6	13	4,5	7,5	17	14	7			2,72
1829	50,54	47,64	69	20	49		3,5	1		4,5	13	,5	8,5	14,5	16,5	4			2,09
1830	49,05	45,10	72	24	48	4,5	4,5		1	6	7,5	3,5	4	17,5	13,5	4			2,58
1831	47,45	45,58	74	30	44	1	3			6	12,5	2,5	6	15,5	15,5	5,5	,5		3,08
1832	47,66	43,61	65	15	50	4,5	1		1	6,5	13		5	16	15	4,5			3,62
1833	47,38	37,65	66	19	47	1,5	4,5		,5	8	8,5	3,5	4,5	10,5	20,5	11			5,28
1834	46,52	36,66	71	14	57	3,5	1,5		1	2	15,5	3,5	4	16,5	14,5	5	1	,5	3,56
1835	47,55	56,56	75	24	51	1,5	2			7,5	16,5	1	2,5	13,5	17,5	6			4,70
1836	39,53	34,24	56	17	39	2,5	2,5			10,5	13	1,5	1	18	13	3,5	1		2,37
1837	42,49	42,29	66	16	50	7	4	,5		3,5	5,5	5	5,5	13	18	3,5		,5	2,87
1838	51,60	39,33	86	20	66		3,5			1,5	18,5	1	6,5	5,5	25,5	11	2,5		3,08
1839	49,92	49,54	78	20	58	1,5	4	1	1,5	2	15	1	5	19	12	3,5			,83
1840	49,32	42,16	74	20	54	1	5,5	1	2	5,5	9	1	6	12,5	18,5	4,5	1,5		3,32
1841	42,72	38,20	71	25	46	2,5	10,5	1	5	3,5	2	2,5	4	19,5	11,5	4,5	1		1,44
1842	48,78	38,65	68	21	47		4,5			6	13,5	4,5	2,5	12	19	8			3,33
1843	46,85	36,35	62	23	39	,5	5,5		2,5	5,5	13	2	2	7	24	11	4		6,11
1844	47,49	39,90	65	25	40	1,5	6	,5	,5	3	13	4	2,5	11,5	19,5	7	1	1	4,65
1845	53,74	45,21	70	18	52	3,5	1	,5	2,5	1,5	14,5	1	6,5	16	15	12			2,76
1846	49,52	36,92	71	17	54	2,5	6,5		,5	7	9	,5	5	6	25	11	4		4,65
1847	48,50	42,70	80	12	68		3		3	7,5	10	2,5	5	20	11	11			
1848	48,09	44,57	69	25	44		7,5	1		1	15	2	4,5	15	16	16			3,89
Mean.	47,83	42,18				1,86	4,00	,31	1,00	4,98	11,93	2,26	4,66	14,09	16,91				3,34
Total.						39	84	6,5	21	104,5	250,5	47,5	98	296	355				66,84

NOVEMBER.																			
1828	42,55	31,17	68	13	55		2,5		1,5	5,5	11	4	5,5	10,5	19,5	6	6		2,58
1829	34,64	33,38	54	11	43	,5	4,5	1		3,5	12	4	4,5	7	23	6	1	1	1,78
1830	44,33	36,57	58	27	31	,5	15,5	1,5	1,5	1	4	3,5	2,5	4	26	7,5	1,5		3,97
1831	39,16	30,73	46	16	30	2	3		1,5	4	6,5	11,5	1,5	6,5	23,5	2,5	6		1,20
1832	33,56	29,32	49	6	43	2,5	4			4	11	2	6,5	7,5	22,5	2,5	2,5		2,67
1833	38,61	25,19	58	—	260	1,5	2,5		1	7	10	3	5	10,5	19,5	3	5		,87
1834	33,27	30,05	57	2	55	2,5	6,5		,5	1,5	11	4,5	3,5	12,5	17,5	4,5	2	,5	1,97
1835	41,23	24,43	64	—	1074		4,5	,5	,5	3,5	14		7	11	19	2,5	2,5		2,20
1836	34,39	31,72	52	10	42	6,5	2,5		1,5	14	3	,5	2	13	17	1,5	1		,17
1837	33,23	32,25	55	11	44	5,5	5		1	5	4	5	4,5	7	23	4,5	3		3,30
1838	37,77	23,84	56	—	460	1,5	3			1	17	,5	7	4,5	25,5	5	3	1	1,97
1839	34,58	29,28	53	10	43	1,5	6			6	10	1,5	5	5,5	24,5	1,5	5		,81
1840	39,28	29,39	58	20	38	1,5	9		2	2	11	2	2,5	10	20	,5	6		1,62
1841	36,39	24,61	71	7	64	2,5	5,5		3,5	8,5		3	7	17,5	12,5	3,5	3,5		2,01
1842	33,88	26,85	49	8	41	1	7,5	,5	2,5	3	11	1,5	3	7	23	8	1		1,87
1843	28,38	33,45	58	5	53	,5	3		1	4,5	11,5	4	5,5	4	26	8	9		2,60
1844	35,73	27,10	47	7	40	1	9	,5		4,5	8,5	4,5	2	3	27	9	5		2,15
1845	39,33	31,87	59	0	59	4,5	2			6	9,5	5,5	2,5	11	19	10	4		2,20
1846	45,09	34,45	63	17	46	2,5	12		2	6	2	2	3,5	8	22	9	3		2,12
1847	43,28	32,64	69	—	473	2,5	6	1,5	1	4,5	9	2	3,5	11	19	8	4		
1848	31,33	34,61	50	3	47	2	5,5		1	,5	16	1,5	3,5	18,5	11,5	8	4		,56
Mean.	37,14	30,14				2,02	5,67	,26	1,05	4,55	9,14	3,14	4,17	9,02	20,98				1,93
Total.						42,5	119	5,5	22	95,5	192	66	87,5	189,5	440,5				38,62

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	35,27	21,59	46—	9 55		,5	1			4,5	14	3	8	9	22	4	2		2,45
1829	32,79	31,44	59	1 58		1,5	2,5			6,5	7,5	4,5	8,5	11,5	19,5	3	1		2,73
1830	28,54	24,35	51—	12 63		1,5	4,5	1	1,5	6,5	8,5	4,5	3	9	22	3	4		2,85
1831	13,71	10,77	31—	15 46		,5	8	,5	,5	6,5	3,5	5	6,5	17,5	13,5		7		1,30
1832	22,19	15,97	45—	12 57		5	7		,5	4	7		7,5	6,5	24,5	1	3,5		,80
1833	20,00	23,83	39—	15 54			14	,5	1,5		9	3	3	9,5	21,5	,5	6		,52
1834	22,45	10,12	45—	22 67		,5	10,5			1,5	4	1	13,5	8	23		4,5	1,5	,71
1835	12,30	17,13	47—	26 73		2	5		1	3,5	13,5	,5	5,5	12,5	18,5	1	5		,58
1836	26,09	13,10	50—	18 68		2	,5		1	11	5	8	3,5	16,5	14,5	1	4		,81
1837	24,36	18,16	45—	26 71		3,5	4,5			1,5	12,5	6,5	2,5	4	27	,5	3,5		1,15
1838	24,63	16,85	40—	24 64		1,5	6		2	5	12	3,5	1	5	26	1	6	,5	,73
1839	32,37	16,41	44—	4 48		2	11		2	3	3,5	4	5,5	10,5	20,5	1	5		1,09
1840	24,99	15,38	44—	14 58		2,5	6		2,5	4	8,5	4	3,5	12	19	2,5	6,5		2,72
1841	34,77	15,97	47—	7 54		4,5	8		1	5		4	8,5	18,5	12,5	5	2		,46
1842	22,81	16,80	43—	20 63		1,5	7			3	14,5	2	3	5,5	25,5		12		1,69
1843	25,63	26,56	40—	9 49		3	4,5			3	16,5	1,5	2,5	3,5	27,5	3	16	3	1,81
1844	20,70	21,88	51—	7 58		3,5	7			3	12,5	2	3	6	25	5	8	2	1,80
1845	13,97	16,81	37—	20 57			6,5	1		1,5	12	6	4	13,5	17,5	1	9	2	,59
1846	23,08	20,76	45	2 43		1	6	,5		,5	10	5	8	11	20	5	5	2	1,30
1847	35,70	21,21	54—	10 64		3,5	14,5	,5		5	6,5	1		7	24	7	7		
1848	33,86	23,73	59—	14 73		1,5	,5		1	,5	16,5		2	14,5	16,5	4	10	2	2,76
Mean.	25,25	18,99				1,98	6,84	,19	,71	3,76	9,38	3,29	4,85	10,48	20,52				1,44
Total.						41,5	143,5	4	14,5	79	197	69	102,5	211	440				28,85

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OR WINDS.			WEATHER. MEAN RESULTS.						Total fall.	
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.		Rain gage.
	First Half.	Seco'd Half.																						
January.	21.52	16.50	57	-34	91	2.15	5.46	.12	.59	4.35	9.69	3.48	5.16	78° 30' W	32	9.78	11.55	19.45				1.40	25.15	
February.	16.00	21.61	67	-32	99	2.19	4.97	.16	1.00	3.59	9.02	2.47	4.96	79 22 W	26	7.95	11.88	16.40				1.06	21.31	
March.	26.81	32.99	76	-28	104	1.46	5.95	.25	.74	5.29	9.71	2.27	5.33	67 45 W	28	8.66	13.89	17.11				1.48	29.67	
April.	41.29	46.18	84	-1	85	1.97	5.97	.38	1.12	4.58	8.48	2.06	5.52	79 17 W	22	6.66	14.50	15.50				1.70	34.13	
May.	52.83	57.77	94	20	74	1.86	5.21	.38	1.33	4.10	11.60	2.34	4.29	61 34 W	31	9.45	15.78	15.22				3.03	60.52	
June.	62.74	65.19	95	32	63	1.33	3.99	.24	1.19	4.04	12.43	2.31	4.17	58 30 W	51	15.31	16.62	13.88				4.33	66.25	
July.	65.09	68.68	96	40	56	1.34	2.38	.08	1.24	4.29	15.24	1.50	4.35	54 17 W	54	16.27	18.02	12.98				2.81	80.70	
August.	67.71	65.76	95	34	61	2.07	3.09	.40	1.08	3.93	12.95	2.33	5.05	63 45 W	45	13.61	18.90	12.10				3.11	50.74	
September.	60.36	54.96	88	23	65	1.69	3.52	.19	.84	3.69	12.81	2.33	4.95	63 58 W	43	12.50	15.52	14.48				3.11	62.17	
October.	47.83	42.13	86	12	74	1.86	4.00	.31	1.00	4.98	11.93	2.26	4.66	58 48 W	39	11.85	14.09	16.91				3.34	66.44	
November.	37.14	30.14	71	-10	81	2.02	5.67	.26	1.65	4.55	9.14	3.14	4.17	67 08 W	31	9.40	9.02	20.98				1.93	34.62	
December.	25.25	18.94	59	-26	85	1.95	6.84	.19	.71	3.76	9.38	3.29	4.85	55 31 W	26	7.94	10.48	20.52				1.44	28.55	
Mean.----	43 92	43.41				1.53	4.75	.27	.99	4.26	11.04	2.40	4.59	66° 15' W	34	10.20	14 18	15.26				2 38	7 79	

Highest degree, July 29, 1883. - 96°
 Lowest degree, January 16, 1840. - -34
 Extreme range in 21 years. - -130
 Greatest monthly range in March.
 Least monthly range in July.

Mean monthly range, 73°.
 Driest month, February.
 Wettest month, July.
 Total fall of rain and snow in 20 years. 47 feet 9,59 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1823	22,75	28,67	30,80	37,47	57,15	68,28	66,21	68,63	58,45	46,31	38,86	28,43	46,01	95	-13	108	78	January 22,	June 27,		
1829	22,56	18,16	27,32	42,78	53,83	63,56	65,89	65,51	53,95	49,09	34,01	32,11	44,06	89	-23	112	72	January 3,	June 16,	September 18,	November 20,
1830	18,01	18,24	31,45	51,10	53,65	62,08	70,28	65,51	55,72	47,07	40,45	26,44	44,58	90	-27	117	78	February 7,	July 21,	September 1,	November 23,
1831	14,00	20,06	35,44	44,80	56,06	67,80	67,57	64,39	58,08	45,51	34,94	12,23	43,48	93	-20	113	74	December 22,	August 21,	October 7,	October 26,
1832	17,67	16,63	31,63	39,59	52,24	64,26	68,75	67,58	59,37	45,63	31,44	19,08	42,54	89	-29	118	77	January 16,	July 5,	September 1,	November 6,
1833	18,85	11,05	23,89	44,65	56,62	56,74	63,30	60,50	54,95	42,51	31,90	21,91	40,57	85	-27	112	83	February 2,	July 23,	September 3,	November 17,
1834	18,32	25,36	29,70	45,83	51,52	59,29	69,19	66,06	60,32	41,59	31,65	16,28	42,76	93	-22	115	67	December 14,	July 25,	August 26,	October 26,
1835	20,52	14,19	27,75	40,88	54,47	64,38	68,50	66,28	54,29	52,05	32,53	14,71	42,57	90	-30	120	78	December 16,	August 12,	September 15,	November 11,
1836	19,21	11,88	24,92	40,01	54,86	63,43	68,33	62,50	55,29	36,88	33,05	19,59	40,78	90	-28	118	79	February 2,	July 8,	August 9,	October 12,
1837	7,38	19,07	28,62	41,06	51,80	61,99	66,14	65,83	57,04	42,39	32,74	21,26	41,78	86	-28	114	71	January 13,	July 19,	August 5,	October 25,
1838	23,78	9,47	33,59	38,09	53,39	68,88	73,59	69,21	62,29	45,46	30,80	20,74	44,10	96	-24	120	79	January 31,	July 29,	August 14,	October 14,
1839	18,70	23,67	31,53	56,23	54,93	61,99	70,52	64,33	57,11	49,73	31,63	24,39	45,40	94	-17	111	64	January 23,	July 11,	August 29,	September 27,
1840	8,59	25,06	29,60	45,75	57,90	66,77	73,02	70,28	53,91	45,74	34,84	20,18	44,26	94	-34	128	85	January 16,	August 21,	September 13,	October 26,
1841	25,67	21,78	28,76	36,95	47,97	68,75	66,10	67,33	60,85	40,41	30,50	25,29	43,23	89	-16	105	70	January 4,	July 22,	September 19,	October 21,
1842	20,78	23,17	34,09	42,70	49,26	59,62	67,86	67,12	53,10	43,71	30,86	19,80	42,58	91	-20	111	73	January 13,	July 13,	September 10,	November 16,
1843	27,62	19,58	25,36	45,99	54,94	61,76	64,50	63,15	53,70	41,60	30,91	26,09	43,27	90	-12	109	68	January 1,	July 1,	September 13,	October 17,
1844	9,06	21,21	30,26	52,15	57,61	68,99	68,84	64,27	53,77	43,57	31,41	21,31	43,63	85	-28	113	67	January 29,	July 30,	September 23,	October 28,
1845	19,85	22,02	35,80	43,80	53,70	65,64	67,25	70,39	56,41	49,47	35,60	15,39	44,62	94	-20	114	70	December 11,	August 17,	September 11,	November 8,
1846	19,32	15,46	34,78	47,88	59,09	64,20	70,19	70,54	63,03	43,22	29,77	21,92	45,78	94	-22	116	76	January 18,	June 30,	September 11,	October 20,
1847	19,48	17,54	25,12	37,01	57,16	62,74	71,31	68,53	58,90	45,60	37,96	23,45	44,15	95	-18	113	78	February 16,	July 10,	September 16,	November 14,
1848	24,58	20,49	29,35	44,22	62,42	67,21	69,23	68,70	53,84	46,33	32,97	28,79	45,68	92	-27	119	83	January 10,	June 15,	September 6,	October 17,
Mean.	18,41	18,78	29,96	43,76	55,02	63,97	68,39	66,74	57,37	44,99	33,72	22,11	43,61								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1828	24	22,5	5	6,5	74	117	39,5	77,5	S 66°16' W	45	165,52	208,5	157,5	69	25	4
1829	13,5	44,5	3,5	6,5	43	134,5	40	79,5	S 74 42 W	43	157,33	159,5	205,5	39	17	4
1830	25	71,5	3	9,5	38,5	118	36,5	63	S 85 18 W	29	104,56	181,5	183,5	49	18,5	,5
1831	19,5	39,5	3	6,5	37	148,5	53,5	57,5	S 70 20 W	47	173,76	176	189	39,5	27	,5
1832	34	56,5	5	6	46	122	29,5	67	S 82 07 W	32	115,74	167,5	198,5	42	21,5	,5
1833	22	52	,5	12	60	131	17	70,5	S 65 13 W	34	125,22	159,5	205,5	66	25	
1834	16,5	55,5	1	17	43	130	29	73	S 71 47 W	34	126,39	176,5	188,5	46	17,5	2,5
1835	21	50,5	2	6,5	87	163,5	23,5	61	S 67 50 W	41	151,36	201,5	163,5	45	26	1
1836	32,5	49,5	2,5	14,5	72,5	117	22,5	55	S 58 29 W	31	113,03	197,5	168,5	39	25	1
1837	45,5	34,5	5	9,5	137	67,5	39,5	26,5	S 34 12 W	34	124,55	19,5	170,5	35	14,5	,5
1838	20,5	54	1	9	23	180	18	59,5	S 68 30 W	42	152,41	114,5	250,5	55	20,5	2
1839	18,5	73,5	1	15,5	41,5	142,5	21	51,5	S 63 49 W	29	105,02	150,5	214,5	53	27,5	2,5
1840	9,5	63	2	17	34,5	170	15	55	S 57 26 W	38	137,07	107,5	258,5	76	41,5	5
1841	27	69,5	4,5	29,5	55	17	42	120,5	N 41 22 W	27	97,94	220,5	144,5	42,5	21	,5
1842	29	59	5	9,5	74,5	122,5	30,5	35	S 50 43 W	31	114,28	151	214	74	26	2
1843	24	55	2	12,5	57,5	147,5	34,5	32	S 52 41 W	38	140,39	132	233	81	55	5
1844	20	63	4	9	48,5	155,5	28,5	37,5	S 59 08 W	35	128,21	153	213	91	37	4
1845	16	54	3,5	18	36,5	149	38	50	S 62 23 W	38	140,29	163,5	201,5	90	49	10
1846	15,5	81,5	2	13,5	40,5	130	27,5	54,5	S 71 09 W	26	93,85	162	203	79	34	4
1847	15	78	3,5	15,5	50	140,5	18,5	44	S 53 20 W	27	95,91	180	185	77	36	8
1848	10,5	70	3	6	23,5	175	22,5	55,5	S 67 55 W	38	138,94	209,5	156,5	112	37	4
Mean.	21,86	57,00	2,95	11,89	51,10	132,27	29,84	58,34	S 66°17' W	34	123,39	169,53	195,45			
Total.	459	1197	62	249,5	1073	2778,5	626,5	1255,5				3566,5	4104,5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1828	8.50	2.05	.51	1.79	8.44	2.53	5.45	4.05	4.60	2.72	2.53	2.45	85.67	March.	July.
1829	.59	1.66	.65	2.22	3.20	4.81	3.91	1.86	2.71	2.09	1.78	2.73	27.71	January.	June.
1830	.63	.03	2.56	2.20	2.72	5.86	6.30	2.65	3.52	2.53	3.97	2.57	34.47	February.	July.
1831	.60	.66	2.90	2.40	2.64	2.91	2.94	1.08	4.65	3.03	1.20	1.30	30.36	January.	September.
1832	.60	1.80	.53	1.26	2.31	1.52	2.87	1.34	2.74	3.62	2.67	.89	22.11	March.	October.
1833	1.25	.79	.86	1.37	4.30	4.45	6.87	7.86	4.32	5.23	.57	.52	39.27	December.	August.
1834	.85	.57	2.32	2.60	2.22	2.81	2.53	1.40	2.16	3.56	1.97	.71	25.20	January.	June.
1835	1.43	1.53	.47	2.59	2.53	2.43	4.30	4.43	2.34	4.70	2.20	.53	29.63	March.	October.
1836	.86	1.03	.40	.53	3.53	3.31	3.26	3.25	.47	2.37	.17	.81	18.54	November.	May.
1837	.74	1.31	2.80	1.55	8.49	1.91	2.87	3.13	3.46	2.87	3.30	1.15	28.53	January.	May.
1838	2.66	.30	1.04	1.31	3.73	4.40	3.11	2.06	2.39	3.03	1.97	.73	26.78	February.	June.
1839	2.70	.70	1.20	.34	2.08	3.19	4.81	2.20	3.03	.83	.81	1.09	22.96	April.	July.
1840	1.02	1.33	2.31	8.91	2.70	8.19	4.13	3.18	2.95	3.32	1.62	2.72	32.48	January.	July.
1841	.91	.29	.94	1.83	3.35	8.23	1.10	1.34	3.82	1.44	2.01	.46	20.77	February.	September.
1842	1.00	1.50	2.00	1.85	2.15	3.07	4.32	2.08	2.07	3.33	1.87	1.69	28.53	January.	July.
1843	2.71	1.15	3.32	2.47	1.93	5.03	3.83	1.43	1.75	6.11	2.60	1.81	34.14	February.	October.
1844	3.05	.83	1.77	1.03	3.37	1.86	3.10	7.05	.96	4.65	2.15	1.50	31.67	February.	August.
1845	2.34	2.89	1.80	3.19	3.50	4.12	2.43	.31	4.84	2.76	2.20	.59	31.02	August.	September.
1846	1.16	.56	.82	.65	3.51	1.93	2.71	1.42	5.13	4.65	2.12	1.30	26.01	February.	September.
1848	.65	.23	.42	.39	1.77	2.53	7.56	2.51	3.26	3.90	.56	2.70	26.44	February.	July.
Mean.	1.40	1.06	1.45	1.70	3.02	3.81	4.03	2.51	3.11	3.84	1.98	1.44	28.62		
Total.	28.15	21.81	29.67	34.13	60.52	66.25	80.70	56.18	62.17	66.84	38.62	23.85	572.39		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1828	12	23	3	14	29	4	30	13	13	7	27	9	23	4	25	18	23	8	7	19	4	17	2	18
1829	17	3	8	4	29	15	23	24	24	10	7	10	30	20	23	28	2	23	25	21	17	24	24	3
1830	3	30	20	6	21	9	21	3	4	9	15	8	21	9	23	26	14	28	27	25	15	30	3	22
1831	4	20	28	20	23	8	18	9	29	9	3	22	8	10	21	26	10	30	23	28	1	29	24	22
1832	18	25	28	24	25	18	26	5	13	4	15	18	5	21	14	25	20	13	17	28	1	30	31	29
1833	4	19	7	2	21	2	29	14	18	2	23	2	23	29	21	29	5	12	7	30	11	19	3	13
1834	17	24	21	7	18	21	15	24	30	14	8	14	25	29	11	28	4	29	18	31	4	15	1	14
1835	26	7	21	3	31	3	12	17	25	8	11	20	24	1	12	31	4	30	17	31	4	30	26	16
1836	13	28	23	2	31	12	26	11	16	13	29	21	31	22	28	9	16	29	24	26	11	28	9	30
1837	30	13	25	17	13	1	26	3	14	1	5	20	19	3	8	23	6	20	23	29	18	25	1	21
1838	7	31	8	1	23	2	26	16	21	10	21	7	29	10	22	27	6	2	31	13	24	14	30	
1839	11	23	24	9	13	3	23	4	24	3	30	13	11	4	21	29	7	27	27	20	14	26	8	24
1840	30	16	19	4	4	11	25	7	28	5	29	1	12	2	21	6	9	21	19	27	17	22	15	25
1841	7	4	26	1	19	16	26	11	23	2	7	19	22	28	25	24	10	30	3	25	1	29	3	21
1842	29	13	3	17	4	11	22	1	17	9	30	6	13	25	26	1	1	23	1	30	6	28	3	23
1843	21	1	25	8	28	3	26	2	15	2	22	3	1	11	13	21	3	27	1	27	24	30	4	12
1844	23	29	20	24	1	21	13	1	25	21	16	11	30	6	16	21	20	27	9	28	2	28	26	19
1845	28	31	25	2	29	16	28	5	13	5	8	25	13	24	17	31	29	24	11	21	1	28	18	11
1846	25	18	3	26	13	1	7	12	14	11	30	21	10	15	5	18	7	21	7	23	2	25	27	15
1847	5	31	2	16	25	12	26	1	12	2	27	15	10	26	10	23	8	15	7	26	3	29	30	26
1848	1	10	22	11	31	15	21	13	29	12	18	1	12	6	11	21	4	27	16	23	4	10	8	22

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1828	47	-13	58	0	76	-2	60	20	78	32	95	42	85	48	88	48	82	40	72	19	68	13	46	-9
1829	49	-23	36	-20	56	4	68	25	84	34	89	44	85	45	84	37	82	32	69	20	54	11	59	1
1830	40	-20	51	-27	59	-12	81	21	86	28	83	45	90	51	85	43	73	30	72	24	58	27	51	-12
1831	57	-20	51	-6	64	11	65	23	88	32	93	40	90	42	90	44	77	39	74	30	46	16	31	-15
1832	47	-29	67	-25	68	-9	68	11	83	28	84	44	87	52	89	38	86	34	65	15	49	6	45	-12
1833	52	-24	43	-25	56	-27	82	14	83	25	83	35	82	43	85	40	73	31	66	19	58	-2	39	-15
1834	43	-17	56	-8	62	0	78	23	86	23	88	36	93	40	89	46	87	26	71	14	57	2	45	-22
1835	48	-30	44	-28	57	-12	73	15	83	28	88	45	86	47	90	43	81	24	75	24	64	-10	47	-26
1836	37	-29	51	-28	51	-6	70	3	84	25	84	41	90	41	85	41	84	26	56	17	52	10	50	-18
1837	41	-24	36	-20	42	-28	62	18	86	20	84	44	85	52	85	52	82	30	66	16	55	11	45	-26
1838	52	-19	28	-15	68	-11	64	13	80	29	90	50	96	50	95	44	88	35	86	20	56	-4	40	-24
1839	47	-17	46	-12	56	0	78	26	78	30	80	45	94	52	92	34	83	34	78	20	53	10	44	-4
1840	46	-34	53	-32	56	0	84	21	94	30	91	43	93	52	94	50	78	32	74	20	58	20	44	-14
1841	54	-16	50	-3	63	-4	75	11	83	26	88	50	89	52	89	44	86	36	71	25	71	17	47	-7
1842	55	-18	55	-17	62	12	78	10	74	28	86	32	91	42	86	38	79	23	68	21	49	8	43	-20
1843	57	-11	33	-12	50	-4	70	11	81	34	90	39	90	48	90	53	84	32	62	23	58	5	40	-9
1844	39	-28	46	-12	49	-2	80	19	78	33	85	39	82	46	85	44	85	23	65	25	47	7	51	-7
1845	47	-12	52	-18	70	14	76	19	88	31	88	41	94	47	92	50	76	34	70	18	59	0	37	-20
1846	43	-17	42	-22	54	-22	75	22	83	32	87	44	94	46	92	44	89	37	71	17	63	17	45	2
1847	38	-14	46	-18	52	-4	58	-1	79	31	85	38	95	46	90	50	84	37	80	12	69	-4	54	-10
1848	56	-27	50	-15	65	-5	70	24	89	34	92	37	89	54	89	48	76	28	69	25	51	3	59	-14
Highest.	57		67		76		84		94		95		96		95		88		86		71		59	
Lowest.		-34		-32		-28	-1		20		32		40		34		23		12		-10		-26	
Range.		91		99		104		85		74		65		56		61		65		74		81		85

SUMMARY OF OBSERVATIONS AT SCHENECTADY ACADEMY,

SCHENECTADY, SCHENECTADY COUNTY, N. Y., DURING THREE YEARS.

Latitude N. 42° 48'; Longitude W. 73° 55'.

OBSERVERS.

1829, DANIEL FULLER, Principal.
1836, ASA SHELDON.

1837, GILES F. YATES, Trustee, and Mr. SHELDON.
(Rain gage excepted.)

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	18,38	27,75	53	— 9	62	3	,5	,5	2,5	3	2,5	10	9	16	15	2	4	2	3,45
1836	30,59	17,14	42	— 12	54	1	2,5		,5	8,5	,5	,5	17,5	11,5	19,5	1	5,5		10,87
1837	16,44	20,12	40	— 12	52	1,5			1	1	,5	2,5	24,5	17	14		2,5		
Mean.	21,80	21,67				1,83	1,00	,17	1,33	4,17	1,17	4,33	17,00	14,83	16,17				7,16
Total.						5,5	3	,5	4	12,5	3,5	13	51	44,5	48,5				14,32
FEBRUARY.																			
1829	17,82	19,75	39	— 8	47	1	3	1	2	1		15,5	4,5	17,5	10,5	2	5		3,08
1836	15,04	18,59	42	— 16	58	3	2,5		4	,5	,5	3	15,5	14	15	1	5,5		5,97
1837	23,94	24,54	42	— 6	48	,5	2,5		6	1	2	2	14	14	14		2	,5	
Mean.	18,93	20,96				1,50	2,66	,33	4,00	,83	,83	6,83	11,33	15,16	13,16				4,52
Total.						4,5	8	1	12	2,5	2,5	20,5	34	45,5	39,5				9,05
MARCH.																			
1829	31,86	32,05	59	13	46	,5	1,5		3	6,5	1,5	16,5	1,5	16,5	14,5	3	5		2,72
1836	23,66	30,59	48	— 4	52	1,5		,5	2	7	2	4,5	13,5	15,5	15,5	2	1,5		1,56
1837	26,15	34,99	48	— 10	58	2,5	1,5		7,5	5	1	1	12,5	16	15	2,5	1,5	,5	
Mean.	27,22	32,54				1,50	1,00	,16	4,17	6,17	1,50	7,33	9,17	16,00	15,00				2,14
Total.						4,5	3	,5	12,5	18,5	4,5	22	27,5	48	45				4,28

APRIL.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1829	42,54	50,84	72	30	42		,5		3,5	8	1	14	2	13,5	16,5	11			4,25
1836	37,00	48,32	70	18	42	2,5	,5		4	7	,5	3,5	12	16,5	13,5	1	1,5		5,00
1837	42,37	47,42	74	28	46	1	,5	,5	2,5	1,5	,5	4	19,5	17	13	1,5		,5	
Mean.	41,30	48,86				1,17	,50	,16	3,33	5,50	,67	7,17	11,50	15,67	14,33				4,62
Total.						3,5	1,5	,5	10	16,5	2	21,5	34,5	47	43				9,25
MAY.																			
1829	54,07	68,66	91	33	58	,5	1	3	7	1,5		13	5	22,5	8,5	6	1		2,68
1836	51,11	59,83	81	39	42	3	3,5	,5	5	7,5	,5	5	6	18	13	4,5			3,47
1837	55,59	59,66	82	32	50	1,5	3	3,5	7	3	2	5	6	11	20	6,5			
Mean.	53,59	62,71				1,67	2,50	2,33	6,33	4,00	,83	4,67	5,67	17,17	13,83				3,07
Total.						5	7,5	7	19	12	2,5	23	17	51,5	41,5				6,15
JUNE.																			
1829	70,01	65,59	88	47	41	,5		7,5	6,5	1	,5	8	6	19,5	10,5	7			2,19
1836	65,53	62,79	79	42	37	2	3	3	9	5,5	1	1	5,5	13,5	16,5	4,5			5,51
1837	69,41	66,43	86	57	29	,5	5	1,5	6,5	1	3,5	6	6	11,5	18,5	6			
Mean.	68,31	64,93				1,00	2,67	4,00	7,33	2,50	1,67	5,00	5,83	14,83	15,17				3,85
Total.						3	8	12	22	7,5	5	15	17,5	44,5	45,5				7,70
JULY.																			
1829	66,01	63,29	85	51	34			2,5	9		3	11	5,5	15,5	15,5	10			3,81
1836	74,13	69,58	86	54	32	3,5	,5		3,5	10	,5	7	6	20,5	10,5	4,5			2,41
1837	69,55	70,07	88	57	31	,5	3	3	1,5	2,5	3	14	3,5	19	12	6			
Mean.	69,89	67,64				1,33	1,17	1,83	4,67	4,16	2,17	10,67	5,00	18,33	12,67				3,11
Total.						4	3,5	5,5	14	12,5	6,5	32	15	55	38				6,22
AUGUST.																			
1829	70,00	66,46	88	47	41	1,5	1	3	7	2,5	,5	14	1,5	24	7	5			1,67
1836	63,40	64,66	84	46	38		,5		2	6	1,5	15	6	23	8	2			2,17
1837	70,61	66,03	86	52	34	2,5	2,5	2,5	3	5,5	4,5	7,5	3	11,5	19,5	7,5			
Mean.	68,00	65,71				1,33	1,33	1,83	4,00	4,67	2,17	12,17	3,50	19,50	11,50				1,92
Total.						4	4	5,5	12	14	6,5	36,5	10,5	58,5	34,5				3,84
SEPTEMBER.																			
1829	57,79	52,95	87	33	54		1		6,5	2	1	19	,5	20,5	9,5	8			2,98
1836	62,86	60,51	82	38	44	2,5		,5	9,5	7,5		3,5	6,5	15	15	4			2,20
1837	65,39	59,47	80	43	37	,5	1	4,5	6	4,5	1,5	7,5	4,5	17,5	12,5	2			
Mean.	62,01	57,64				1,00	,67	1,67	7,33	4,67	,83	10,00	3,33	17,67	12,33				2,59
Total.						3	2	5	22	14	2,5	30	11,5	53	37				5,18

OCTOBER.																			
YEARS	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1829	50,65	50,19	73	24	49		1	,5	14			14,5	1	22,5	8,5	6			2,09
1836	46,55	40,00	60	21	39		2,5		6,5	2		1	19	15,5	15,5	3		,5	3,43
1838	47,92	45,40	71	28	43	,5	5	,5		6,5	2,5	12	4	16	15	4,5			
Mean.	48,37	45,19				,17	2,84	,33	6,83	2,83	,83	9,17	8,00	18,00	13,00				2,76
Total.						,5	8,5	1	20,5	8,5	2,5	27,5	24	54	39				5,52
NOVEMBER.																			
1829	37,92	37,77	55	17	38	,5	,5	3,5	7,5	1	2	14,5	,5	14,5	15,5	9	2	1	3,44
1836	41,15	34,01	62	14	48	1			6	3	1,5	1	17,5	14	16	2,5			2,10
1837	37,31	36,56	72	3	69	6	3			7,5	,5	5,5	7,5	12	18	4			
Mean.	38,79	36,11				2,50	1,17	1,17	4,50	3,83	1,33	7,00	8,50	13,50	16,50				2,77
Total.						7,5	3,5	3,5	13,5	11,5	4	21	25,5	40,5	49,5				5,54
DECEMBER.																			
1829	35,20	35,13	57	9	48	,5	2	,5	5	2,5	3,5	14,5	2,5	17	14	4	2		1,78
1836	32,50	22,33	48	1	47				5	3	2,5	1	19,5	13,5	17,5	3	1		2,78
1837	29,30	20,72	49	10	59	4,5	4			5		1	16,5	11	20	,5	3		
Mean.	32,33	26,06				1,67	2,00	,17	3,33	3,50	2,00	5,50	12,83	13,83	17,17				2,28
Total.						5	6	,5	10	10,5	6	16,5	38,5	41,5	51,5				4,56

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	
	First Half.	Seco'd Half.																					
January, --	21,80	21,67	53	—12	65	1,83	1,00	,17	1,33	4,17	1,17	4,3	17,00	N 69° 42' W	59	17,62	14,83	16,17				7,16	16,43
February, --	18,93	20,96	42	—16	58	1,50	2,66	,33	4,00	,83	,83	6,83	11,33	N 55° 04' W	42	12,66	15,16	13,16				4,52	9,05
March, ---	27,22	32,54	59	—10	69	1,50	1,00	,16	4,17	6,17	1,50	7,33	9,17	N 52° 23' W	37	11,16	16,00	15,00				2,14	4,28
April, ----	41,30	43,86	74	13	56	1,17	,50	,16	3,33	5,50	,67	7,17	11,50	N 59° 28' W	43	12,94	15,67	14,33				4,62	9,25
May, -----	53,59	62,71	91	32	59	1,67	2,52	2,33	6,33	4,00	,83	7,67	5,67	N 66° 27' W	13	4,65	17,17	13,83				3,07	6,15
June, -----	68,31	64,93	88	42	46	1,00	2,67	4,00	7,33	2,50	1,67	5,00	5,83	N 21° 00' E	6	1,98	14,83	15,17				3,85	7,70
July, -----	69,89	67,64	88	21	87	1,33	1,17	1,83	4,67	4,17	2,16	10,66	5,00	N 71° 16' W	34	10,31	18,33	12,17				3,11	6,22
August, ----	68,00	65,71	88	46	42	1,33	1,33	1,83	4,00	4,67	2,17	12,17	3,50	N 65° 54' W	35	10,48	19,50	11,50				1,92	3,84
September, --	62,01	57,64	87	33	54	1,00	,67	1,67	7,33	4,67	,83	10,00	3,83	N 43° 41' W	21	6,45	17,67	12,33				2,59	5,18
October, ---	48,37	45,19	73	21	52	,17	2,84	,33	6,33	2,83	,83	9,17	5,00	N 87° 05' W	24	8,64	18,00	13,00				2,76	5,52
November, --	33,79	36,11	72	3	69	2,50	1,17	1,17	4,50	3,83	1,33	7,90	8,50	N 81° 30' W	29	8,86	13,50	16,50				2,77	5,64
December, --	32,33	26,06	51	—10	61	1,67	2,00	,17	3,33	3,50	2,00	5,50	12,83	N 67° 55' W	43	13,04	13,83	17,17				2,28	4,56
Mean. ---	45,88	46,74				1,39	1,62	1,18	4,76	3,90	1,83	7,73	8,51	N 87° 33' W	31	9,35	16,20	14,14				3,89	5,72

Highest degree, May 10, 1839, - - - - - 91°
 Lowest degree, February 2, 1836, - - - - - -16
 Extreme range in 2 years, - - - - - - - - - - 107
 Greatest monthly range in March and November.
 Least monthly range in July.

Mean monthly range, 55°.
 Driest month, August.
 Wettest month, January.
 Total fall of rain and snow in 2 years, 5 feet 8,61 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1829	23.07	18.78	31.95	16.67	61.86	67.80	64.65	63.23	55.37	50.42	37.84	35.16	46.77	91	-9	100	62	January 3,	May 23,	October 21,	November 14.
1836	23.86	16.81	27.12	42.66	55.47	64.16	71.87	64.03	61.68	43.27	37.58	27.41	34.66	76	-16	102	58	February 2,	July 8,	October 12.	November 28.
1837	18.28	24.24	30.57	44.89	57.62	67.91	69.81	68.32	62.43	46.66	30.91	25.61	16.05	88	-12	100	69	December 22,	August 2,	September 21,	November 28.
Mean.	21.74	19.94	29.88	44.74	58.15	66.62	68.77	66.86	59.22	46.78	37.45	29.19	15.82								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1829	8	12	22	73,5	29	15,5	164,5	40,5	S 73° 57' W	36	131,29	219,5	145,5	78	19	3
1836	20	15,5	4,5	57	67,5	11	46	144,5	N 80 4 W	28	101,72	190,5	175,5	83	15	,5
1837	22	31	16	41	44	21,5	68	121,5	N 67 32 W	30	111,35	173,5	191,5	41	9	1,5
Mean.	16,66	19,50	14,16	57,16	46,83	16,00	92,86	102,16	N 87° 49' W	30	108,20	194,50	170,83			
Total.	50	58,5	42,5	171,5	140,5	48	278,5	306,5				583,5	512,5			

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1829	3	17	5	26	16	29	6	29	10	25	25	7	13	15	26	8	27	1	21	25	12	17	4	7
1836	13	27	23	2	28	2	26	5	21	14	9	26	8	26	1	14	19	28	1	31	12	25	10	30
1837	31	26	1	18	28	2	29	1	31	1	1	17	18	4	2	23	10	20	2	29	21	26	2	22

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1829	53	-9	39	-8	59	13	72	30	91	33	88	47	85	51	88	47	87	33	73	24	55	17	51	9
1836	42	-12	42	-16	48	-4	70	18	81	39	79	42	86	54	84	46	82	38	60	21	62	14	48	1
1837	41	-12	42	-6	48	-10	74	28	82	32	86	57	88	57	86	52	80	43	71	28	72	3	49	-10
Highest.	53		42		59		74		91		88		88		88		87		73		72		51	
Lowest.		-12		-16		-10		18		32		42		51		46		33		21		3		-10
Range.		65		58		69		56		59		46		37		42		54		52		69		61

SUMMARY OF OBSERVATIONS AT SPRINGVILLE ACADEMY,

SPRINGVILLE, ERIE COUNTY, N. Y., DURING EIGHT YEARS.

Latitude N. 42° 30'; Longitude W. 78° 50'. Elevation supposed to be about 500 feet above the canal at Buffalo.

OBSERVERS.

1834, Not stated. (Wind not recorded.)
 1835, L. PARSONS, Principal, A. C. LAKE and C. A. PARSONS.
 (Temperature not recorded the whole year.)
 1839, (ex. rain gage,) EDWIN E. WILLIAMS, Principal, and JACOB LUTTWELER.

1842, '43, (ex. rain gage,) ALEX. C. HEUSTIS, Principal.
 1847, '49, (ex. rain gage,) T. W. EARLE, Principal.
 1850, (ex. rain gage,) MOSES LANE.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1834	19,52	21,08	46	—	2 48									7,5	23,5	7,5	3		1,47
1835			57	—	8 65	1,5	2,5		3,5	4	2,5	6,5	10,5	10,5	20,5	3,5	2,5		,90
1839	31,14	19,03	51	—	10 61	1	4	1	4,5	3,5	6	7,5	3,5	4,5	26,5	1	4	,5	
1842	21,42	26,49	58	—	7 65	,5		,5	1,5	2	11	14	1,5	10,5	20,5	2	6,5		
1843	26,64	29,42	53	—	8 55	,5			3	2,5	21	4		7,5	23,5	3,5	5		
1847	26,18	20,35	55	—	8 63	2	,5		2,5	1	10,5	8,5	6	11,5	19,5	5	8	1	
1849	16,29	27,09	49	—	20 69	,5	,5		1	1	5	12	11	8	23	5	15	1	
1850	29,04	34,61	52	—	8 44	2	1,5	3,5	4	2,5	10,5	5	2	2,5	28,5	5	10		
Mean.	24,32	25,44				1,14	1,29	,71	2,85	2,36	9,50	8,21	4,93	7,81	23,19				1,18
Total.						8	9	5	20	16,5	66,5	57,5	34,5	62,5	185,5				2,37
FEBRUARY.																			
1834	31,07	37,61	64	—	2 62									13	15	3,5	1,5	,5	1,35
1835			50	—	4 54					,5	7,5	16	4	6	22	1,5	9,5		3,40
1839	19,41	33,41	44	—	0 44	1	,5	2	4	1,5	9	7	3	4	24	1,5	3		
1842	28,16	21,21	55	—	2 57		,5	4,5	,5	2,5	8,5	10,5	1	7,5	20,5	1,5	5		
1843	15,18	18,97	48	—	6 54	1	1	2		1	9	14		6,5	21,5		10	,5	
1847	26,05	27,14	51	—	10 61	2,5	2	2	3		2	11,5	5	8	20	2	6	2	
1849	22,00	26,22	60	—	11 71	5,5	1	2	3,5	5	4	6,5	,5	10,5	17,5	2	13	1	
1850	28,73	30,21	48	—	2 50		2	3	1	4,5	3,5	11,5	1,5	7	21	4	6	1	
Mean.	24,37	27,82				1,43	1,00	2,21	1,71	2,14	6,21	11,00	2,14	7,81	20,19				2,37
Total.						10	7	15,5	12	15	43,5	77	15	62,5	161,5				4,75

MARCH.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1834	36,44	37,35	68	0	68									10,5	20,5	5	3,5		1,11
1835			70	—	77	2,5	2,5		1	,5	5	12	7,5	12	19	,5	2		2,56
1839	22,06	38,55	61	—	162	3	1,5		1	2,5	6,5	10	6,5	14	17	3	4,5	,5	
1842	33,66	34,78	68	11	57		4	2,5		2	5	17	,5	10,5	20,5	3,5	2		
1843	19,31	19,52	50	—	1464	,5	2,5	4	2	3,5	13,5	5		8	23	3	13	,5	
1847	26,82	30,02	53	4	49	4	1	2	1,5	,5	2,5	11,5	8	17,5	13,5	2	7	2	
1849	31,86	37,00	55	10	45	3,5	6,5	1,5	2,5	2	4	6	5	14,5	16,5	10	3	3	
1850	32,58	30,57	62	8	54	,5	5	2	2	1	4	13	3,5	10,5	20,5	3	6	2	
Mean.	28,96	32,54				2,00	3,29	1,71	1,43	1,71	5,79	10,64	4,43	12,19	19,81				1,83
Total.						14	23	12	10	12	40,5	74,5	31	97,5	150,5				3,67
APRIL.																			
1834	51,58	48,72	80	30	50									13,5	16,5	6,5			2,55
1835			80	20	60	1	5,5			,5	6	11,5	5,5	10,5	19,5	3,5	4,5	1,5	3,35
1839	54,68	52,13	78	23	55	7	3,5	,5	2		3	10	4	19,5	10,5	4	,5		
1842	43,08	46,66	72	20	52	1	3,5	5,5			1,5	11,5	7	15	15	4,5	,5	2	
1843	37,06	50,24	75	10	65		4	4		2	15,5	3,5	1	11,5	18,5	9	3,5	,5	
1847	39,24	42,38	78	12	66	2	3,5		1	,5	6,5	9,5	7	17	13	6	3		
1849	43,44	43,54	74	22	52	2,5	1,5		3	1	5	12	5	16,5	13,5	10	6		
1850	36,97	46,38	75	9	66		5	1	2,5	1,5	5,5	13,5	1	19	11	5	4		
Mean.	43,72	47,15				1,93	3,79	1,57	1,21	,79	6,14	10,21	4,35	15,31	14,69				2,95
Total.						13,5	26,5	11	8,5	5,5	43	71,5	30,5	122,5	117,5				5,90
MAY.																			
1834	43,69	71,81	86	21	65									17,5	13,5	2,5	2		1,13
1835			80	33	47	,5	6	,5	,5		5	6,5	12	15	16	4			3,20
1839	54,79	58,54	88	26	62	1,5	4		2	,5	9,5	10,5	3	13,5	17,5	8,5	,5		
1842	42,72	48,72	67	20	47		3,5	2,5	,5			21	3,5	16	15	4,5			
1843	53,13	49,11	84	28	56	2,5	5	2		,5	8,5	12,5		19,5	11,5	5,5	1,5		
1847	55,33	59,98	80	32	48	3	8	3,5	1,5	,5	4,5	8	2	20	11	8		1	
1849	50,19	56,55	79	30	49	2,5	3,5	3,5	4,5		4,5	8,5	4	14	17	10			
1850	47,94	51,42	76	24	52	1,5	3	2	,5	2	2,5	17	2,5	11	20	8	2	1	
Mean.	49,68	56,59				1,64	4,71	2,00	1,35	,50	4,93	12,00	3,86	15,81	15,19				2,16
Total.						11,5	33	14	9,5	3,5	34,5	84	27	126,5	121,5				4,33
JUNE.																			
1834	62,71	67,73	88	33	55									12	18	5,5			4,15
1835			86	40	46		7	1	2	1	6	9	4	11,5	18,5	5,5			3,75
1839	58,90	61,78	84	41	43	2,5	4	1	1,5		4	12	5	11,5	18,5	9			
1842	51,06	53,26	91	30	61	,5	4,5	6,5	2	,5	1	14	1	15,5	14,5	5			
1843	59,13	63,77	85	28	57	,5	2	,5	1	,5	13,5	11	1	15,5	14,5	10,5	,5		
1847	58,39	65,01	85	34	51	1,5	2,5	,5	1,5	1,5	6	9,5	7	14,5	15,5	13			
1849	62,90	68,20	84	40	44	3,5	2,5	,5	2	2,5	1	3,5	14,5	18,5	11,5	8			
1850	64,89	69,92	90	42	48					1	16	5,5	7,5	18,5	11,5	10			
Mean.	59,71	64,24				1,21	3,21	1,43	1,43	1,00	6,79	9,21	5,71	14,69	16,31				3,95
Total.						8,5	22,5	10	10	7	47,5	64,5	40	117,5	122,5				7,90

JULY.																				
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1834	74,30	76,00	95	51	44									17,5	13,5	5			3,75	
1835			88	49	39		1		1	,5	8	19	1,5	13,5	17,5	6			3,45	
1839	65,66	69,99	93	49	44	,5			1,5	,5	2,5	16,5	9,5	11	20	4				
1842	62,96	64,55	90	38	52	2	,5	,5	,5	,5	2,5	16	8,5	17,5	13,5	8				
1843	64,18	61,57	90	38	52	,5	3		,5	1	7,5	18	,5	18,5	12,5	7,5				
1847	71,12	69,98	88	38	50	3	6,5	5	2	1	4,5	5	4	17	14	12				
1849	57,76	64,12	88	40	48		6,5	,5	6	1,5	4	8	4,5	23	8	7				
1850	71,42	71,54	92	54	38	1	2	,5	2,5	,5	16,5	3,5	4,5	16,5	14,5	14				
Mean.	66,77	68,25				1,00	2,79	,93	2,00	,78	6,50	12,29	4,71	16,81	14,19				3,60	
Total.						7	19,5	6,5	14	5,5	45,5	86	33	134,5	113,5				7,20	
AUGUST.																				
1834	73,51	65,98	91	48	43									20	11	3			3,59	
1835			82	44	38	3	3,5	2	1	1	2	7	11,5	19,5	11,5	7,5			3,69	
1839	61,77	62,88	87	34	53	3	11	2	2,5		2	6	4,5	13,5	17,5	4,5				
1842	54,43	62,73	86	40	46	2	17,5	1,5	1		4	2	3	14,5	16,5	6				
1843	63,72	60,62	86	40	46	,5	5,5	2		7,5	9,5	5,5	,5	17	14	6,5				
1847	67,57	61,41	90	44	56	2,5	4,5	,5	3,5	1	10	6	3	19,5	11,5	7				
1849	63,80	63,29	84	44	40	5				2	8,5	5,5	10	11,5	19,5	14				
1850	71,02	65,85	90	53	37	,5	1,5	1	1,5	2	6	11,5	6	20	11	8				
Mean.	65,12	63,25				2,36	6,21	1,43	1,36	1,93	6,00	6,21	5,50	16,94	14,06				3,64	
Total.						16,5	43,5	10	9,5	13,5	42	43,5	38,5	135,5	112,5				7,28	
SEPTEMBER.																				
1834	64,56	60,33	87	28	59									13,5	16,5	4,5			5,11	
1835			78	38	40	,5	1		1	4	5	4,5	14	14	16	7			4,08	
1839	64,04	53,70	82	30	52	1	4	2,5	1,5	1	10	6	4	9	21	8	,5			
1842	60,43	47,47	82	30	52		3,5	1	1		7,5	6	11	16	14	8		1		
1843	57,43	60,19	87	30	57	7	1,5	2	1	6,5	9	3		13	17	9,5				
1847	57,63	56,38	83	34	49	2,5	3,5	1	3,5	,5	7,5	3,5	8	13,5	16,5	14				
1849	57,48	56,23	80	32	48	3	3,5	2	1	5	4,5	2	9	20	10	8				
1850	59,32	55,39	78	25	53	1,5	,5	1,5		3	1,5	13,5	8,5	16	14	11				
Mean.	60,13	55,67				2,21	2,50	1,43	1,29	2,85	6,43	5,50	7,79	14,37	16,63				4,59	
Total.						15,5	17,5	10	9	20	45	38,5	54,5	115	125				9,19	
OCTOBER.																				
1834	48,27	44,22	78	26	52									10	21	6		,5	5,36	
1835			76	29	47	1	3,5		,5	1	7	8	10	12	19	12			6,28	
1839	55,66	53,30	83	20	63	1,5	4,5	1,5	5,5	2	8,5	5,5	2	14	17	4,5				
1842	44,42	39,52	73	22	51		1	,5	2	3	7	14	3,5	12,5	18,5	8,5				
1843	47,27	35,49	70	24	46	8,5	1,5		,5	8	8,5	3	1	5,5	25,5	12	4,5	2		
1847	48,24	42,85	78	18	60	1	1,5	2	4	2	7	5	8,5	12	19	10	1	1		
1849	49,09	47,55	68	26	42	1,5	1	2,5	4	,5	8	4	9,5	11	20	12	2			
1850	46,75	44,31	70	22	48	3	2,5			3	4	17,5	1	15,5	15,5	13	1			
Mean.	48,53	43,89				2,36	2,21	,93	2,35	2,79	7,15	8,14	5,07	11,56	19,44				5,82	
Total.						16,5	15,5	6,5	16,5	19,5	50	57	35,5	92,5	155,5				11,64	

NOVEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1834	44,36	34,51	70	19	51									10,5	19,5	3	3	1	4,56
1835			67	9	58	,5	,5		1	1,5	9,5	5,5	11,5	8	22	3	4	,5	1,50
1839	36,77	29,35	50	4	46	1	2,5		4,5	2,5	7,5	6	6	4	26	3	7,5	1	
1842	37,35	22,43	64	8	72		6	,5	1	4	12,5	6		8	22	2,5	10	1	
1843	33,23	35,57	60	12	48	3,5	2			8	7	6,5	3	4,5	25,5	5	8	1	
1847	43,44	35,11	66	2	64	2			4,5	2,5	9	6,5	5,5	5,5	24,5	7	4	2	
1849	48,15	43,58	66	26	40		,5	1,5	2	,5	11	6	8,5	10	20	12	4		
1850	44,15	36,81	70	5	65	8				7	5,5	6	3,5	10	20	10	4		
Mean.	41,06	33,91				2,14	1,64	,28	1,86	3,71	8,87	6,07	5,43	7,56	22,44				3,03
Total.						15	11,5	2	13	26	62	42,5	38	60,5	179,5				6,06

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1834	30,90	27,13	50	2	48									7	24	1	3		2,10
1835			44	6	50	1,5	1,5		,5	3,5	8	6,5	9,5	5,5	25,5	1	4,5		2,50
1839	33,68	22,61	55	14	69	2,5	6,5	1	3	2,5	3,5	6	6	3,5	27,5		8		
1842	25,73	22,19	42	6	36	2	1,5	1,5	,5	1	5,5	14	5	5	26	,5	11,5		
1843	29,64	32,43	50	6	44	1,5	1			1	18	9	,5	4	27	5	7,5		
1847	38,36	24,00	60	3	57	1,5	5		4	1	16	,5	3	4	27	7	11	2	
1849	30,64	27,02	47	4	43	1	,5	2,5	2,5	2	7,5	8	7	2	29	3	16	6	
1850	30,02	23,48	54	5	59	6,5	1,5	1	,5	2	7,5	8,5	3,5	3,5	27,5	3	18		
Mean.	31,28	25,55				2,36	2,50	,86	1,57	1,86	9,43	7,50	4,93	4,31	26,69				2,30
Total.						16,5	17,5	6	11	13	66	52,5	34,5	34,5	213,5				4,60

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Total fall.	
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.		Rain gage.
	First Half.	Seco'd Half.																						
January, -	24,32	25,44	58	-20	78	1,14	1,29	,71	2,85	2,36	9,50	8,21	4,93	S 69° 14' W	53	15,88	7,81	28,19				1,18	2,37	
February, -	24,37	27,82	64	-14	75	1,43	1,00	2,21	1,71	2,14	6,21	11,00	2,14	S 71° 15' W	45	13,40	7,81	20,19				2,87	4,75	
March, - - -	28,96	32,54	70	-14	84	2,00	3,29	1,71	1,43	1,71	5,79	10,64	4,43	S 87° 11' W	43	12,81	12,19	19,51				1,83	8,67	
April, - - - -	43,72	47,15	80	9	71	1,93	3,79	1,57	1,21	,79	6,14	10,21	4,35	S 87° 17' W	42	12,53	15,81	14,69				2,95	5,99	
May, - - - - -	49,68	56,59	83	21	67	1,64	7,11	2,00	1,35	,50	4,98	12,00	3,86	N 77° 01' W	41	12,24	15,81	15,19				2,16	4,83	
June, - - - - -	59,71	62,24	91	28	63	1,21	8,21	1,43	1,43	1,00	6,79	9,21	5,71	N 86° 57' W	44	13,85	14,69	16,81				3,95	7,90	
July, - - - - -	66,77	68,35	95	38	57	1,00	2,79	,98	2,00	,79	6,50	12,23	4,71	N 88° 33' W	53	15,90	16,81	14,19				3,60	7,20	
August, - - - -	65,12	63,25	91	34	57	2,35	6,21	1,43	1,85	1,93	6,00	6,21	5,56	N 85° 08' W	38	8,84	16,94	14,04				3,64	7,28	
September, - -	60,13	55,67	87	25	62	2,21	2,50	1,43	1,29	2,85	6,43	5,50	7,79	S 80° 52' W	38	11,65	14,37	16,68				4,59	9,19	
October, - - - -	45,50	43,69	83	18	65	2,33	2,21	,93	2,35	2,79	7,15	8,14	5,07	S 83° 08' W	42	12,75	11,56	19,44				5,82	11,64	
November, - - -	41,06	39,91	70	8	78	2,14	1,64	,23	1,58	3,71	8,87	6,07	5,43	S 81° 45' W	45	13,54	7,56	22,44				3,03	6,06	
December, - - -	31,28	25,55	60	-14	74	2,36	2,50	,86	1,57	1,66	9,43	7,50	4,93	S 81° 45' W	47	14,15	4,31	26,69				2,30	4,60	
Mean. - - - - -	45,30	45,20				1,81	2,33	1,29	1,70	1,87	6,98	8,91	4,90	S 86° 59' W	42	12,72	11,43	18,57				8,12	6,22	

Highest degree, July 14, 1834, - - - - - 95°
 Lowest degree, January 11, 1849, - - - - - -20
 Extreme range in 8 years, - - - - - 115
 Greatest monthly range in March.
 Least monthly range in July.

Mean monthly range, 69°.
 Driest month, January.
 Wettest month, September.
 Total fall of rain and snow in 2 years, 6 feet 2,89 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1834	20.30	34.81	36.89	50.25	57.75	65.22	75.15	69.74	62.44	46.39	39.43	29.01	48.90	95	-2	97	68	January 5,	July 14,	September 29,	October 19.
1835	25.08	26.41	30.30	53.40	56.66	60.34	67.82	62.33	56.87	54.48	33.06	28.14	46.24	88	-3	96	70	December 16,	July 25,	August 4,	November 11.
1836	23.95	24.68	24.22	44.87	45.72	52.16	63.75	58.58	53.95	41.97	29.69	23.96	41.87	91	-8	99	72	January 23,	July 25,	September 18,	September 27.
1837	23.27	26.59	28.42	40.81	57.65	61.70	70.55	64.49	57.01	45.55	39.23	31.18	45.54	90	-10	100	66	November 29,	June 18,	September 23,	November 9.
1838	28.03	17.07	19.41	43.65	51.12	58.95	62.87	62.17	58.81	41.38	34.51	31.03	42.41	90	-14	104	65	March 6,	July 1,	September 12,	October 13.
1839	21.69	24.11	34.43	43.49	53.37	65.55	60.94	63.54	56.85	48.32	45.86	28.58	47.58	88	-20	108	71	January 8,	July 18,	September 15,	October 14.
1840	31.82	28.47	31.57	41.67	49.68	67.40	71.48	68.43	57.35	45.53	40.48	26.75	46.72	92	-5	97	65	January 11,	July 17,	September 1,	October 30.
Mean.	24.88	25.95	30.75	45.45	53.14	61.62	67.51	64.18	57.62	46.28	37.43	28.18	45.82								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1835	12	34,5	3,5	12	18	71,5	112	101,5	N 81° 4' W	55	200,37	138	227	55	27	2
1836	25,5	46	11,5	33,5	16,5	72	103	57	N 88 42 W	35	126,53	122	243	51	28,5	2
1837	8	46	27,5	10,5	15,5	66	146	45,5	N 89 1 W	43	153,83	148,5	216,5	54,5	35,5	5
1838	26,5	29	16,5	8	42	140,5	95	7,5	S 69 9 W	46	166,99	131	234	77	53	4,5
1839	27,5	38,5	16,5	32,5	12	86	85	67	N 87 35 W	35	126,60	160	205	93	40	11
1840	28,5	27,5	16,5	32	22	67	82	88,5	N 82 37 W	36	131,48	159,5	205,5	101	59	11
1850	24,5	24,5	16,5	14,5	30	83	126	46	S 81 55 W	48	174,87	150	215	94	51	4
Mean.	21,79	35,14	15,50	20,43	22,29	83,71	107,00	59,00	S 89° 11' W	43	152,84	144,14	220,86			
Total.	152,5	246	108,5	143	156	586	749	413				1009	1546			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1834	1.47	1.35	1.11	2.55	1.13	4.15	3.75	3.59	5.11	5.86	4.56	2.10	36.28	March.	October.
1835	.90	2.40	2.56	3.35	3.20	3.75	3.45	3.69	4.08	6.23	1.50	2.50	38.60	January.	October.
Mean.	1.18	2.37	1.88	2.95	2.16	3.95	3.60	3.64	4.59	5.52	3.03	2.30	37.44		
Total.	2.87	4.75	3.67	5.90	4.83	7.90	7.20	7.23	9.19	11.64	6.06	4.60	74.89		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1834	17	5	22	7	18	22	14	27	27	13	8	2	14	31	5	26	5	29	17	13	4	26	1	14
1835	15	8	21	7	26	1	10	14	28	15	11	22	25	1	12	31					4	29	20	16
1839	11	23	24	5	28	3	4	17	21	3	8	2	25	4	26	30	7	30	27	20	14	26	7	31
1842	19	24	3	23	19	12	22	16	18	9	18	7	29	31	14	2	1	23	11	28	5	29	3	23
1843	21	4	26	17	10	6	25	2	14	1	30	1	1	20	27	2	17	28	1	23	23	27	23	13
1847	15	8	2	23	20	16	21	18	21	3	9	14	18	26	15	19	4	6	4	28	2	29	31	26
1849	23	11	28	16	20	3	30	14	21	2	22	5	13	2	27	31	16	8	12	31	5	29	20	25
1850	26	1	28	4	13	3	27	14	28	1	19	10	17	9	4	27	23	29	11	7	5	22	3	30

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1834	46	— 12	64	2	68	0	80	30	86	21	88	33	95	51	91	48	87	28	78	26	70	19	50	2
1835	57	— 9	50	— 4	70	— 7	80	20	80	33	86	40	88	49	82	44	78	32	76	29	67	9	40	— 6
1839	50	— 10	44	0	61	— 1	78	23	88	26	84	41	93	49	87	34	82	30	83	20	50	4	56	— 14
1842	58	— 7	55	— 2	68	11	72	20	67	20	91	30	90	38	86	40	82	30	73	22	64	— 8	42	6
1843	58	3	48	— 6	50	— 14	75	10	84	28	85	28	90	38	86	40	87	30	70	24	60	12	50	6
1847	55	— 8	51	— 10	53	4	78	12	80	32	85	34	88	38	90	44	83	34	78	18	66	2	60	3
1849	49	— 20	60	— 11	55	10	74	22	79	30	84	40	88	40	84	44	80	32	68	26	66	26	47	4
1850	58	8	48	— 2	62	8	75	9	76	24	90	42	92	54	90	53	78	25	70	22	70	5	54	— 5
Highest.	58		64		70		80		88		91		95		91		87		83		70		60	
Lowest.		— 20		— 11	— 14		9		21		28		38		34		25		18		— 8		— 14	
Range.		78		75	84		71		67		63		57		57		62		65		78		74	

SUMMARY OF OBSERVATIONS AT SYRACUSE ACADEMY,

SYRACUSE, ONONDAGA COUNTY, N. Y., DURING ONE YEAR.

Latitude N. 43° 01'; Longitude W. 76° 15'. Three-quarters of a mile west of the Academy, about four hundred feet above tide.

OBSERVER.

1843, LYMAN W. CONKEY, Esq.

MONTHS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]				
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]
	First Half.	Second Half.																
January,	30,19	31,61	56	6	50		1	1,5	10	4,5	3,5	6,5	4	13	18	3	2	
February,	20,17	20,95	42	0	42		3	1,5	4,5	2	1	9	7	9	19		6	
March,	23,20	29,08	46	—3	49	,5	1,5	2	2	4	2	15,5	3,5	11	20	2	8	2
April, -	41,31	49,71	76	24	52		,5	4,5	6	3,5	2	7,5	6	10	20	5		
May,	58,65	57,95	85	36	49	,5	1	2,5	2,5	4,5	7,5	9,5	3	16,5	14,5	4		
June,	60,80	72,52	89	38	51			3	2,5	4	4,5	9,5	6,5	17,5	12,5	8		
July,	72,03	70,45	94	48	46			2	2,5	2	1,5	13,5	9,5	21	10	8		
August,	71,36	71,61	90	52	38	1	2	3	7	1,5	1	6,5	19	12	5			
September,	65,30	63,26	86	37	49	1		3	5	2,5	1	11	6,5	18	12	8		
October,	52,35	43,09	66	28	38			3	1,5	1	5,5	12	8	14	17	11	1	1
November,	34,07	31,53	56	18	38						6	15	9	5,5	24,5	4	4	1
December,	29,32	34,92	44	6	38	1		1,5	8,5	6,5	3,5	6,5	3,5	3,5	27,5	3	2	1
Mean	46,56	48,05				,33	,75	2,29	4,33	3,00	3,25	10,37	6,08	13,16	17,25	5,08	1,92	,42
Total						4	9	27,5	52	36	39	124,5	73	158	207	61	23	5

Rain Gage.

January,	- -	2,46	July,	- -	2,19
February,	-	1,83	August,	-	2,15
March,	- -	3,63	September,	-	4,68
April,	- -	1,63	October,	-	5,41
May,	- -	1,10	November,	-	2,83
June,	- - -	3,00	December,	-	2,12
Mean,	- - - - -	- - - - -			2,75

Coldest days.

Warmest days.

January	-	-	-	21st,	-	-	-	3d.
February	-	-	-	26th,	-	-	-	17th.
March	-	-	-	28th,	-	-	-	7th.
April	-	-	-	26th,	-	-	-	1st.
May	-	-	-	15th,	-	-	-	1st.
June	-	-	-	27th,	-	-	-	1st.
July	-	-	-	1st,	-	-	-	20th.
August	-	-	-	27th,	-	-	-	21st.
September	-	-	-	4th,	-	-	-	27th.
October	-	-	-	1st,	-	-	-	31st.
November	-	-	-	24th,	-	-	-	27th.
December	-	-	-	16th,	-	-	-	13th.

Annual mean temperature, 47° 30' | Mean direction of winds, S 73° 54' W
Annual range, - - 97 | Percentage of this direction, 38
Greatest monthly range, 52 | Resultant in days, - 11,56

SUMMARY OF OBSERVATIONS AT UNION HALL,

JAMAICA, QUEENS COUNTY, N. Y., DURING TWENTY-FIVE YEARS.

Latitude N. 40° 41'; Longitude W. 73° 56'.

OBSERVERS.

1826, Dr. T. BLATCHFORD and PIERREPONT POTTER.
1827 to 1832, inclusive, PIERREPONT POTTER.
1833, P. POTTER, H. ONDERDONK and CHARLES LEACH.
1834 to 1839, inclusive, CHARLES LEACH, Teacher.
1840, CHA'S LEACH, CHA'S WATROUS and A. GUNN.
1841, Not stated.

1842, THOMAS H. KELSEY, Teacher, add JOHN A. GUNN.
1843 to 1847, inclusive, THOMAS H. KELSEY, Teacher.
1848, GEORGE VANDERVEY, Jr.
1849, JOHN H. BRINCKERHOFF, Associate Principal.
1850, JACOB H. AIKEN.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	37,25	25,98	61	3	58	3,5	2,5		,5	4	4,5	6	10	13	18	4	1,5		1,13
1827	32,63	24,77	52	2	50	4,5	4		,5	,5	3	1,5	14,5	16,5	14,5	2	1	1	3,04
1828	39,84	29,87	50	8	42		6	2		3	5	2	13	13	18	6			2,75
1829	25,28	30,21	49	3	46	3,5	4,5	1,5	4	1	3,5		13	11,5	19,5	4	3		5,10
1830	33,54	24,88	47	0	47	,5	4,5	2	1	,5	5,5	1	16	20,5	10,5	3			1,71
1831	29,79	19,17	58	4	54	1	6,5		,5	1	1	1,5	19,5	19	12	1	3		3,30
1832	30,14	29,03	60	—5	65		6		3	,5	4	,5	17	18	13	3	2		4,65
1833	34,26	25,41	67	10	57		6		4	1	3,5		16,5	19,5	11,5	2,5	1	1,5	1,30
1834	27,40	30,32	54	7	47	3,5	6,5	1,5		,5	7	3,5	8,5	16,5	14,5	4	1,5	,5	1,74
1835	19,27	37,67	57	—3	60	10	3,5	1,5	2	3	1	4	6	24,5	6,5	3,5			3,15
1836	32,78	21,25	47	1	46	3,5	7,5	2		,5	2,5	5,5	9,5	15,5	15,5	3,5	6,5	,5	5,39
1837	21,96	25,94	46	0	46	3	2	1		,5	1,5	1,5	4,5	17	15,5	15,5	1,5	2	,93
1838	35,47	33,63	58	11	47	,5	4	1,5	1	5,5	4,5	4,5	9,5	16,5	14,5	5		1	2,05
1839	32,29	25,50	57	0	57	4	4,5	1,5	3	1	7,5	1,5	8	14,5	16,5	2	3	,5	,33
1840	22,04	23,16	44	0	44	4,5	1,5	1,5	1	,5	2	4,5	15,5	18,5	12,5	3,5	3	,5	2,18
1841	29,06	32,92	52	8	44	2	6,5	4,5	4,5	1	2,5	3,5	6,5	14	17	3	3,5		4,42
1842	30,93	30,24	48	7	41	5	3		1	2	3	5	12	22,5	8,5	1	2,5		2,67
1843	37,62	38,06	62	8	54	5	2,5	2	1	2	5,5	3	10	14,5	16,5	1	,5		,89
1844	27,50	20,82	50	—2	52	2	5	1	2	1	,5	5	14,5	15	16	4	2,5		3,96
1845	33,65	31,45	50	9	41	1,5	2,5	,5	3	4,5	5	4,5	9,5	13	18	3	1,5		2,10
1846	31,92	24,46	52	1	51	3	4,5		2		6	3	12,5	21	10	2	2,5	,5	4,04
1847	31,31	26,37	57	—1	58	1,5	2	1,5	2,5	4	3,5	5,5	10,5	18	13	5	2	1	2,47
1848	34,10	37,18	52	5	47	2	4,5	1	3	1,5	3,5	2,5	13	17,5	13,5	4	1		1,80
1849	21,28	29,67	58	—7	65	2,5	1,5		,5	,5	7,5	1	17,5	14	17	4			,10
1850	24,68	31,69	50	2	48	7	3	3	3	,5	2	4,5	8	18,5	12,5	8	,5		1,21
Mean.	30,27	28,39				2,94	4,18	1,20	1,94	1,52	3,80	3,12	12,30	16,82	14,18				2,50
Total						73,5	104,5	30	48,5	38	95	78	307,5	420,5	354,5				62,41

FEBRUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	33,15	35,46	58	-5	63	6	3,5	1	,5	3	6	4	4	12,5	15,5	3	2		2,32
1827	29,61	39,87	52	9	43	1,5	5	,5	4	,5	3,5	,5	12,5	15	13	4	1		4,54
1828	39,88	39,16	61	15	46		2	,5	4,5	2	6	2	12	16,5	12,5	5		1	3,20
1829	23,48	22,82	40	0	40		1,5	1	4,5		,5		20,5	20,5	7,5	1	3		3,67
1830	21,00	36,70	53	1	52	2	3	1		,5	3	1,5	17	20,5	7,5	,5			1,58
1831	20,91	30,53	53	4	49		5		2,5	1	1,5		18	22	6	2	,5		2,00
1832	33,00	30,85	57	11	46		9,5	1,5	1,5	1,5	6,5		8,5	13	16	3	3	2	3,25
1833	26,84	33,71	55	5	50	,5	3,5	,5	6		3	,5	14	19,5	8,5	2,5	15	1	2,00
1834	34,34	40,49	60	13	47	,5	8,5	,5	2,5	3	5	2	6	15	13	2,5	,5		2,02
1835	20,85	30,99	56	6	50	2,5	8		,5	,5	2,5	6	8	13,5	14,5	2,5	3,5		,63
1836	18,26	17,09	52	-7	59	2,5	7	3,5	,5		2	6,5	7	14,5	14,5	3	6,5	1	3,62
1837	27,11	29,27	43	2	41	2	2	1,5	2,5	2	6	2	10	16	12	3,5	1	1	1,72
1838	24,52	18,35	51	7	44	3,5	2	,5	,5	1,5	2,5	3,5	14	16,5	11,5	1	3,5	1	,96
1839	25,39	36,48	52	8	44	3,5	6	1	1	2	4	3	7,5	13,5	14,5	5	2		1,52
1840	28,41	39,91	60	0	60	3,5	4	3,5	2	4	3,5	2	6,5	14	15	4,5	1,5		2,11
1841	25,90	33,22	56	4	52	5	3,5	1,5			2,5	4,5	11	22,5	5,5	1,5	1		,91
1842	33,98	33,11	45	20	25	3,5	3	1,5	2,5	4	1,5	5,5	6,5	19	9	5			3,19
1843	23,94	24,97	48	2	46	2	5,5	,5	1	1	2,5	6	9,5	10,5	17,5	,5	6,5	,5	1,66
1844	27,09	33,64	54	10	44	5,5	2,5	2,5	1		7	1	9,5	12	17		3,5		,96
1845	20,64	40,21	62	2	60	1	4	,5	1,5		3,5	7	10,5	17	11	1,5	2,5		3,52
1846	27,94	21,49	58	0	58	3	6,5				5	2,5	11	19,5	8,5	1,5	2	,5	1,74
1847	30,95	28,73	52	12	40	3	7,5	1	1,5		3,5	3	8,5	10	18	3	7	1	4,42
1848	28,82	35,86	52	11	41	5	3,5	2,5	,5		2,5	3	12	21	8	1	3	1	1,51
1849	23,66	21,64	43	-5	48	1	6,5	,5	2,5	,5	2,5	1,5	13	15	13	3	7	3	1,61
1850	23,97	35,88	55	6	49	5	1		3	3,5	2	7,5	6	21,5	6,5	5			1,23
Mean.	26,94	31,61				2,48	4,56	1,08	1,86	1,22	3,52	3,00	10,52	16,42	11,82				2,23
Total.						62	114	27	46,5	30,5	88	75	263	410,5	295,5				55,89
MARCH.																			
1826	41,83	38,62	68	18	50	4,5	11,5		1	3	3	1	7	12,5	18,5	7,5	1		4,00
1827	38,54	44,17	65	20	45	1	4	,5	5,5	1,5	2,5		16	20	11	3	1		1,55
1828	37,35	42,86	72	11	61	3	3,5	1,5	7,5	1,5	3,5	1	9,5	20,5	10,5	3	1	2	5,95
1829	33,88	33,52	62	19	43		2,5		4,5	,5	3,5		20	22,5	8,5	3	2	1	4,00
1830	36,05	42,58	73	18	55		3	2	5	1,5	4,5		15	18,5	12,5	4,5	1	1	5,15
1831	40,18	42,23	67	20	47		2,5		2,5		10,5		15,5	22	9	4			3,28
1832	39,50	37,75	66	12	54		1,5		6,5		13,5	2	7,5	22,5	8,5	4,5			2,10
1833	30,11	43,60	67	5	62		2,5		6	1,5	8,5		12,5	24,5	6,5	2	1,5		2,42
1834	38,79	40,35	62	19	43	3	2	1	3	6,5	6	1	8,5	20	11	2,5	,5		1,00
1835	29,60	39,80	57	21	36	3,5	6,5	1	1,5	1,5	3,5	5	8,5	21,5	9,5	3	1	1	2,17
1836	30,32	33,55	55	10	45	3	3	2	1,5	5	5,5	4	7	18	13	3,5	2,5	,5	2,21
1837	31,46	37,27	57	7	50	4	5	3	6	3,5	2,5	1	6	18	13	6,5			5,57
1838	35,06	39,26	60	16	50	3	7,5	2	4	3	2,5	2,5	6,5	17	14	2	1,5	2,5	2,21
1839	33,25	41,77	68	9	59	3,5	3	2,5	2,5	3	4	5	7,5	20,5	10,5	2,5	1	,5	2,33
1840	38,68	39,16	71	15	56	2,5	3	2,5	3	4	5,5	3	7,5	15	16	5	,5	1,5	1,77
1841	34,40	41,06	57	21	37	6,5	3	2		4,5	4,5	5,5	5	22	9	3	3		2,25
1842	43,68	44,95	74	20	54	2	4	,5	3,5	2	3	4,5	11,5	17	14	5	1		1,66
1843	27,91	29,53	53	11	42	1	1	2	2,5	4		9	11,5	13,5	17,5	3,5	3,5	,5	2,69
1844	39,21	38,18	66	20	46	4,5	2,5	2	3	4,5	5,5	3	6	9,5	21,5	9		1,5	3,19
1845	40,69	38,46	79	20	59	2	3	,5	1	4	6	3	11,5	17,5	13,5	2,5	2,5		1,85
1846	33,66	40,46	64	10	54	1,5	3	,5	3,5	1,5	9,5	1	10,5	24	7	5,5	,5	,5	3,73
1847	31,75	34,89	56	19	37	2	6	2	2	2	2	4	11	15,5	15,5	8	3	2	2,94
1848	32,41	43,60	66	12	54	1,5	7,5		2	1,5	4,5	3	11	19,5	11,5	5	1	1	2,12
1849	34,02	42,68	71	20	51	2	8	2	3,5	1	5,5	1	8	17,5	13,5	9	4		3,69
1850	28,29	50,93	66	11	55	6,5	2,5	1	,5	1,5	1,5	10,5	7	19	12	5	3		,99
Mean.	35,22	40,05				2,42	4,06	1,22	3,26	2,50	4,84	2,80	9,90	18,72	12,28				2,83
Total.						60,5	101,5	30,5	81,5	62,5	121	70	247,5	468	307				70,82

APRIL.																			
YEARS	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1826	40,39	49,11	66	20	46	1	3		1,5	9	4,5	1,5	9,5	16,5	13,5	5	1	1	2,73
1827	54,49	50,40	71	32	39	2,5	2,5	,5	5,5	4,5	4	1,5	9	19,5	10,5	5			6,83
1828	40,26	47,40	67	28	39		6	,5	3	2,5	4	,5	13,5	16,5	13,5	3		2	5,45
1829	43,88	49,38	80	33	47		5	1,5	3	1	8	,5	11	20,5	9,5	2			5,05
1830	46,44	54,14	84	30	54	1	8	5	1	2,5	7		5,5	18,5	11,5	6,5			1,54
1831	46,05	50,30	77	30	47		5	1	4,5	1	4	1	13,5	17	13	5			5,75
1832	43,68	46,54	79	27	52		8,5	,5	1	2	6		12	20	10	6			4,25
1833	48,56	57,74	86	33	53		1	,5	2	6,5	9,5	1	9,5	25	5	1			,85
1834	49,82	48,74	82	32	50	1	6	6	3	3	3,5	1	6,5	13,5	16,5	8,5	1		3,22
1835	45,77	43,69	70	26	44	,5	4,5	1	4	2,5	3,5	3,5	10,5	15,5	14,5	7,5	,5	,5	3,93
1836	40,61	49,53	76	22	54	3	5	1,5	5,5	4,5	3	1,5	6	17	13		,5		,94
1837	43,12	45,11	70	20	50	5	1,5	1,5	1	4,5	3,5	4	9	15,5	14,5	6		,5	3,22
1838	40,98	42,92	69	22	47	2	1,5	2	2,5	2,5	3,5	4,5	11,5	16,5	13,5	5,5	1,5		2,46
1839	47,90	50,84	84	26	58	3,5	6,5	1	1	5,5	4	2,5	6	20	10	3,5	,5		2,86
1840	44,70	53,19	76	24	52	1	4	1,5	4,5	7,5	3	1,5	7	17,5	12,5	6	,5		5,52
1841	40,44	50,24	67	26	41	7,5	4,5	6	1	3,5	2,5	3,5	1,5	14	16	6	1,5		3,83
1842	48,75	52,15	73	18	55	2	6,5	1,5	3	,5	7,5	1,5	7,5	17	13	4			3,74
1843	42,46	51,68	73	27	46	5	5,5	,5	6	3,5	2		7,5	12	18	9,5			3,76
1844	50,83	52,14	83	24	59	2,5	6	2	6	1,5	7	3	2	15,5	14,5	4,5			,80
1845	42,79	47,29	80	24	56	,5	2	1	,5	2	14,5	4	5,5	22	8	1	,5		1,28
1846	43,36	51,88	86	26	60	2,5	5,5		2	,5	6	3,5	10	22	8	3		,5	3,11
1847	44,58	46,00	82	16	66	1	,5		2	4,5	12,5	4,5	5	21,5	8,5	6		1	1,69
1848	50,50	50,84	76	30	46	2	3,5		3,5	3,5	6,5	1	10	20	10	5		1	,90
1849	47,04	46,46	71	23	48	,5	1	2	3,5	1,5	9	3	9,5	24,5	5,5	5			,67
1850	40,25	46,82	68	28	40	2	3,5	3	1,5	6,5	5,5	5,5	2,5	17,5	12,5	6	1		1,98
Mean.	45,10	49,38				1,84	4,26	1,00	2,88	3,46	5,76	2,16	8,04	18,01	11,99				3,05
Total						46	106,5	40	72	86,5	144	54	201	454	296				76,36

MAY.

1826	62,12	67,13	93	40	53	4	1		1,5	11,5	5,5	4,5	3	26	5	1			,19
1827	52,02	61,46	79	38	61	2	3	1	7	1,5	7,5	,5	8,5	23	8	4			4,02
1828	56,41	58,69	73	39	34	2,5	1,5	1,5	5	4,5	8,5		7,5	19	12	7			5,00
1829	51,43	64,12	87	38	49		5		6,5	,5	13		6	20	11	5			3,55
1830	56,27	57,02	80	36	44		3,5		5,5	3,5	8,5		10	20,5	10,5	4,5			3,25
1831	53,35	64,10	90	33	57	,5	3,5	1	1	,5	16,5	,5	7,5	24	7	4,5			2,30
1832	57,66	52,18	77	32	45		2		7	4,5	10,5		7	21,5	9,5	7			3,46
1833	63,02	63,80	87	51	36	1,5	8	2,5		4,5	7,5	1	6	15,5	15,5	3,5			4,50
1834	45,28	62,17	85	20	65			8,5	2		4	16,5		23	8				3,23
1835	50,29	59,41	84	36	48	2	6	2,5	4	2	5	4,5	5	19,5	11,5	7,5			,76
1836	55,33	57,93	85	34	51	1	6,5	5,5	3,5	5	6,5	1	2	18,5	12,5	8			1,99
1837	52,64	56,52	77	26	51	3	1,5	4,5	7	7,5	1	3,5	3	14	17	9,5			4,63
1838	48,51	36,54	74	32	42	2	2,5	1	3	7,5	6	2,5	6,5	15,5	15,5	9			3,05
1839	53,47	60,61	82	32	50	,5	3	4,5	4	5	4,5	1,5	8	16	15	9			3,78
1840	53,30	62,30	90	36	54	1	4,5	2	4,5	5	8		6	20,5	10,5	5			3,08
1841	50,80	61,15	78	31	47	1,5		,5	3	5,5	7	10	3,5	19	12	4			3,67
1842	51,64	56,24	80	39	41	2	1	2	5	5,5	8	2	5,5	15,5	15,5	3,5			4,60
1843	53,57	55,62	84	34	50	1	3	3,5	2,5	9	3	4,5	4,5	14,5	16,5	3,5			2,13
1844	58,39	60,65	83	38	45	3	2	1	2	4,5	13,5	5		17	14	8			3,48
1845	58,06	53,76	91	34	57	2,5	2,5		,5	3,5	9	8	5	20,5	10,5	4,5			1,20
1846	57,01	58,96	85	38	47	3	4,5	1	8	4	5,5	2	3	13	18	12			5,46
1847	52,84	57,60	89	32	57	,5	6,5	2	6,5	6,5	6	2	1	16,5	14,5	11			2,20
1848	59,17	66,24	88	40	48	2	2,5	1	5	4,5	9,5		6,5	9,5	21,5	17			5,79
1849	51,50	58,71	88	37	51	1,5	5	4,5	6,5	7	4	1	1,5	18,5	12,5	9			4,97
1850	54,30	55,24	79	40	39	1,5	2,5	7	1,5	5,5	2	8	3	16	15	11			8,27
Mean.	54,33	58,72				1,54	3,24	2,28	4,08	4,74	7,20	3,14	4,78	18,26	12,74				3,54
Total.						38,5	81	57	102	118,5	180	78,5	119,5	456,5	318,5				88,56

OBSERVATIONS AT UNION HALL.

JUNE.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	70,87	66,97	90	55	35	2	4,5	4	5	7,5	5,5		1,5	14,5	15,5	5			12,53
1827	66,04	64,86	86	44	42	1,5	1,5		3	2	11,5		10,5	24	6	3			2,16
1828	65,77	72,32	90	47	43	,5	1,5	1	6	2,5	15	,5	3	23	7	5			3,17
1829	65,56	65,57	83	53	30		8	2	4,5	1,5	7		7	23	7	5			1,45
1830	65,25	68,55	92	51	41		,5		2,5	2	13	1	11	25	5	2,5			4,60
1831	70,30	69,81	90	48	42		2	1	3,5	,5	12,5		10,5	25	5	3,5			1,60
1832	59,99	67,38	88	47	41		,5		5,5	1	12,5	,5	10	23	7	5			,90
1833	65,29	67,80	86	40	46	1			1	3	14	1	10	21	9	4,5			3,85
1834	63,82	64,65	93	40	53	3,5	3,5	2	3	3,5	4	2	8,5	18,5	11,5	7,5			6,41
1835	62,89	61,38	82	41	41	2	1,5	1,5	2	8	5	4	6	22	8	5,5			3,39
1836	61,40	62,16	88	46	42	,5	6,5	8,5	3,5	3	2,5	3,5	2	10,5	19,5	10,5			7,45
1837	62,17	63,81	86	46	40	1,5	3,5	1	2,5	8	6	4	3,5	13,5	16,5	9			3,58
1838	67,13	67,81	90	42	48	,5	3	2,5	4	5,5	7,5	3	4	22	8	5,5			2,02
1839	60,06	64,22	82	43	39	2		2	3,5	7	3,5	3	9	13,5	16,5	10			3,90
1840	64,65	67,40	88	46	42	6	,5	3,5	2,5	7	4	4	2,5	23	7	3			2,93
1841	66,84	67,79	87	44	43	1,5		2,5	3,5	7,5	3,5	4,5	7	15,5	14,5	6,5			6,02
1842	60,39	66,12	86	37	49	1,5	3	1	4	8,5	6	2,5	3,5	13,5	16,5	5			3,53
1843	59,61	67,51	90	43	47	2	2	,5	,5	8	10	3	4	21	9	2			4,71
1844	61,41	68,33	90	37	53	2	,5		,5	15	5	3,5	3,5	19	11	2,5			,79
1845	66,41	64,24	96	46	50	1,5	2		1,5	4,5	13	6	1,5	21	9	3,5			4,41
1846	64,84	64,13	87	50	37	1,5	5	2	4	3	9	2	3,5	17	13	5			1,20
1847	62,53	68,44	98	50	48	2,5	2,5	1	,5	5	9	1	8,5	18,5	11,5	8			4,46
1848	65,30	72,68	92	44	48	2,5	1		2,5	5	8	3	8	13	17	11			4,50
1849	62,28	70,50	97	51	46	2	1,5	1	5	1,5	8,5	4,5	6	26	4	4			,63
1850	68,30	72,05	93	51	42		1,5	2	1	1,5	4	18	2	21	9	4			2,16
Mean.	64,88	67,08				1,52	2,24	1,56	3,00	4,86	7,98	2,98	5,86	19,48	10,52				3,69
Total.						38	56	39	75	121,5	199,5	74,5	146,5	487	263				92,35
JULY.																			
1826	72,97	70,58	91	56	35	4	5,5		,5	14	2,5	2	5,5	24,5	6,5	4,5			3,72
1827	73,13	68,71	93	54	39	1,5	1	1	3	5	8		11,5	23,5	7,5	2			4,82
1828	67,08	73,35	92	53	39	,5	1		1,5	1	15	1,5	10,5	22	9	7			4,00
1829	66,30	71,52	90	50	40	,5	,5		4,5		18,5		7	20,5	10,5	5			2,70
1830	71,77	77,82	100	59	41		2,5		1,5		14,5		12,5	24,5	6,5	3,5			5,87
1831	70,96	74,22	91	56	35		3,5		1		17		9,5	24,5	6,5	5			4,12
1832	67,50	70,01	86	52	34		1		2,5	,5	13		14	20	11	8			6,03
1833	73,24	72,04	89	58	31	1	2,5			5	8,5	2	12	29	2	2			4,52
1834	72,70	72,34	94	56	38	5	3,5	1	2,5	7,5	7	1,5	3	20	11	4,5			6,17
1835	67,97	67,40	86	47	39	2,5	,5	,5	2,5	6,5	9,5	1	8	22	9	7			4,19
1836	71,33	69,19	88	52	36	3	5	3,5	2	7,5	4	4,5	1,5	17	14	8			2,19
1837	65,55	68,44	86	52	34	2	2,5	,5	2	7,5	5,5	2,5	8,5	19	12	9			3,58
1838	75,46	73,61	97	52	45	1	2	,5	2,5	4,5	10,5	2,5	7,5	23,5	7,5	5			3,29
1839	68,71	72,67	89	54	35	2,5	,5		3	8,5	5	2	9,5	18	13	7,5			2,19
1840	69,04	71,75	91	54	37	3	1,5	1	1	10	3,5	3,5	7,5	23,5	7,5	2,5			3,01
1841	69,57	71,48	92	52	40	2,5	,5		3	8,5	5,5	2,5	8,5	21	10	4			3,11
1842	69,01	72,62	93	56	37	3	3,5		2	10,5	7	1,5	3,5	18,5	12,5	8			6,19
1843	68,47	71,71	96	48	48	3	3,5	1	,5	7	8,5	1,5	6	17	14	5,5			1,15
1844	65,90	67,49	89	46	43	4	1	1	1,5	10,5	8	1	4	20,5	10,5	4,5			6,25
1845	72,21	70,66	99	48	51	,5			1	2,5	10	7	10	26,5	4,5	3			3,56
1846	72,28	69,37	96	52	44	2	3,5		5	,5	9,5	2	8,5	18,5	12,5	7,5			3,41
1847	72,86	72,57	94	54	40	3	4,5		4	6	6	3	4,5	23,5	7,5	8			5,41
1848	69,99	73,73	88	56	32		4,5	1	4,5	3,5	13	,5	4	11,5	19,5	10			3,62
1849	72,99	79,49	98	55	43	4	3	1	3,5	9	7	1	2,5	27	4	4			1,66
1850	75,66	77,64	98	63	35		4	3	3	1	12	8		22,5	8,5	3			3,90
Mean	70,51	72,04				1,94	2,32	,60	2,32	5,46	9,16	2,04	7,16	21,52	9,48				3,94
Total						48,5	58	15	58	136,5	229	51	179	538	237				98,66

OBSERVATIONS AT UNION HALL.

431

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	70,60	72,96	87	58	29	8	9,5	2	5,5	3,5	,5	2		13,5	17,5	7			14,22
1827	73,54	65,52	95	50	45	,5	6	1,5	3,5	2	9	1	7,5	23,5	7,5	4			5,65
1828	71,70	72,78	93	55	38	1	3,5		1	3,5	10,5	1,5	10	27,5	3,5	3			1,80
1829	72,30	67,65	90	52	38		8,5	1	1		13		7,5	22,5	8,5	4			4,30
1830	71,96	68,29	91	54	37	1,5	9	,5			11,5		8,5	22,5	8,5	3,5			1,22
1831	73,88	73,43	92	52	40		12	,5			12,5		6	18,5	12,5	8			1,25
1832	71,97	67,05	87	50	37	1	4		2	2,5	13,5		8	19	12	10			5,15
1833	72,30	68,87	90	50	40		4,5		1,5	,5	14,5	1	9	28	3	2			2,07
1834	73,27	65,29	89	48	41	5	6	1,5	2	6,5	4	1,5	4,5	23,5	7,5	1			1,06
1835	65,29	65,30	83	45	38	,5	3	3	1,5	6,5	6,5	4	6	20,5	10,5	7,5			2,65
1836	65,09	64,51	85	49	36	3	3	3	2,5	7,5	4,5	2,5	5	17	14	5,5			1,86
1837	67,59	65,72	90	48	42	1	5	1	6,5	3,5	2	6,5	5,5	14	17	8,5			3,12
1838	73,60	70,78	95	49	46	1	4		3	5,5	5,5	2,5	9,5	25	6	3			1,36
1839	67,93	68,04	86	51	35	1	7	2	2	4,5	7	1	6,5	16	15	7,5			3,34
1840	69,88	71,03	85	52	33	1,5	1	1	3,5	9	7	3,5	4,5	25,5	5,5	4,5			5,18
1841	72,21	69,98	92	51	41			3	4	6,5	7	10	,5	20	11	5			3,44
1842	66,52	71,70	87	50	37	3,5	3	3,5	8	4,5	3	1,5	4	14,5	16,5	6,5			5,73
1843	69,64	71,33	88	56	32	5,5	2,5	2,5	2	3	8	2,5	5	14	17	4,5			8,96
1844	68,19	66,64	84	50	34	1,5		1,5		8	12	,5	7,5	20	11	6,5			6,06
1845	73,18	72,61	94	54	40	,5	2,5	2	3,5	3	13	4,5	2	19	12	4,5			3,46
1846	73,21	68,42	94	50	44	,5	4		3,5	1	15	2,5	4,5	17	14	6			2,41
1847	70,81	68,89	90	50	40	6,5	2	1	1	2	10,5	3	5	22	9	6			5,01
1848	75,04	70,88	88	50	38	2,5	6,5	1,5	3,5	7	4,5		5,5	15	16	1			,75
1849	73,37	73,94	90	60	30	2,5	4,5	,5	1,5	9,5	3,5	3,5	5,5	24	7	9			4,27
1850	77,57	69,65	93	60	33	,5	,5	2,5	3,5	1	3	18,5	1,5	22	9	3			7,86
Mean.	71,22	69,25				1,94	4,46	1,40	2,64	4,02	8,04	2,94	5,56	20,56	10,44				4,09
Total.						48,5	111,5	35	66	100,5	201	73,5	139	514	137				102,18

SEPTEMBER.

1826	70,94	62,38	86	47	39	4	4,5		2,5	12	2,5	1,5	3	15	15	4			2,55
1827	65,53	58,69	85	42	43	3	6,5	1	2,5		5	1	11	21	9	2			4,45
1828	64,87	61,46	93	47	46	2,5	4		8	,5	5,5		9,5	21	9	5			8,29
1829	59,49	55,36	90	29	61		5	1	2,5		7		14,5	18	12	4			3,20
1830	66,02	59,24	86	38	48		6		2,5	3	7	1	10,5	22	8	2,5			1,75
1831	69,93	60,10	89	36	53		8,5	1		1,5	6,5		12,5	19	11	4			6,20
1832	60,29	62,36	83	41	42		8,5			2	8	1	10,5	23,5	6,5	6			1,50
1833	65,21	65,51	91	44	47	,5	2		2,5		12	1,5	11,5	24	6	2,5			3,40
1834	63,43	61,58	82	31	51	2,5	4,5	,5	3	5	6	1	7,5	15,5	14,5	7,5			2,94
1835	59,33	53,08	80	36	44	3	3	1	4,5	2	5,5	3,5	7,5	20,5	9,5	3,5			1,50
1836	64,05	62,80	89	34	55	3	3	3,5	4	5	5	3	3,5	13	17	6,5			1,24
1837	60,93	60,26	86	43	43	1,5	5	2	8,5	2	3	2,5	5,5	20,5	9,5	3,5			1,28
1838	64,81	61,87	90	43	47	,5	10	2,5	2,5	5,5	2	1	6	18	12	6			6,64
1839	63,91	59,91	83	41	42	4	1	1	3	4,5	4	7,5	5	21	9	6,5			4,37
1840	62,68	57,59	78	40	38	3	1	2	1	7	3,5	5,5	7	25,5	4,5	3,5			1,97
1841	62,75	58,19	76	43	33	3,5	2	3	2	1	7,5	4,5	6,5	20	10	5,5			4,89
1842	68,21	56,00	90	36	54	5	3,5	1,5	,5	5	6	1	7,5	19	11	3,5			2,50
1843	64,59	64,35	90	35	55	2,5	6	3,5	3,5	2,5	3,5	4	4,5	17	13	3,5			2,30
1844	64,93	59,90	87	41	46	8,5	4,5		3,5	4,5	4,5	1,5	3	22,5	7,5	2,5			5,07
1845	64,95	59,80	86	42	44	3	,5		6	2	6,5	2,5	9,5	20	10	4			2,98
1846	73,50	60,50	92	40	52	,5	,5	1	1	4	13,5	5,5	4	27	3	,5			,40
1847	67,36	58,26	90	36	54	5,5	7,5	2		4,5	5		5,5	11,5	18,5	10			5,40
1848	68,86	60,68	89	40	49	2	4		2	3,5	8	1,5	9	13	17	6			2,29
1849	70,60	64,17	86	52	34	3	5,5	4,5	3,5	6	3,5	1,5	2,5	24	6	7			,88
1850	74,30	62,07	86	50	36	1	1,5	5,5	3		1	17,5	,5	22,5	7,5	4			6,64
Mean.	65,66	60,24				2,48	4,32	1,46	2,88	3,32	5,66	2,78	7,10	19,76	10,24				3,38
Total.						62	108	36,5	72	83	141,5	69,5	177,5	494	256				84,63

OCTOBER.																			
YEARS	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1826	57,05	51,12	76	32	44	7,5	3,5	2	1,5	5	3		8,5	19,5	11,5	3,5			8,28
1827	57,28	49,54	71	30	41	1	4		1	,5	7	,5	17	20	11	4			4,70
1828	55,01	49,70	77	26	51	2	3	,5	3	3	6	2	11,5	23	8	3			1,65
1829	51,99	49,46	73	27	46		7	1	3,5	1	10	,5	8	21	10	3			4,36
1830	56,23	51,65	78	35	43		8		7,5		7	1	7,6	21	10	4,5			4,70
1831	56,29	53,82	80	34	46	1	3	1	1,5	3	6	1,5	14	25,5	5,5	4,5			4,70
1832	54,67	47,85	74	29	45	1	2	1	5,5	,5	11	1	10	22,5	8,5	7			,75
1833	60,40	49,99	74	31	43		2,5		3,5		6,5		18,5	17	14	3,5			6,75
1834	53,60	44,68	79	28	51	3	2,5	1	1,5	4	6,5	1	11,5	18,5	12,5	5,5			2,59
1835	50,32	55,35	72	28	44	1	5,5	1,5	6	6	4	2	5	18,5	12,5	4			1,74
1836	49,08	41,87	73	25	48	3	5	1	,5	4,5	4	8	5	19	12	4,5			2,58
1837	50,21	51,38	76	27	49	4	6,5	2,5	3,5	4	2,5	1,5	6,5	18,5	12,5	6			1,32
1838	54,75	44,15	75	28	47	2,5	1,5	3,5	1,5	1,5	6	5,5	9	17	14	6,5			4,03
1839	55,96	52,83	76	33	43	2,5	7,5	1,5	1,5	3	7	2	6	21,5	9,5	4			1,77
1840	54,67	51,17	77	30	47	5,5	4	2	3	4,5	5	2,5	4,5	21,5	9,5	5,5			3,29
1841	50,03	48,54	76	28	48	3,5	6,5	4,5	2	,5		4	10	16,5	14,5	10			6,67
1842	54,83	49,78	76	32	44	3	3,5	1	,5	4,5	4,5	5,5	8,5	24	7	1			1,98
1843	52,96	45,91	75	30	45	1	,5	,5	3,5	2,5	5,5	5	12,5	16,5	14,5	4,5			2,82
1844	51,46	48,82	72	33	39	3,5	3,5	,5	1,5	1,5	11,5	1	8	14,5	16,5	9			3,74
1845	58,07	49,55	76	24	52	1,5	2	1	3,5	1	4,5	4,5	13	21	10	2,5			2,72
1846	57,24	45,29	85	24	61	1,5	4		1,5	2,5	11	5,5	5	23	8	4,5			1,01
1847	51,84	47,70	72	22	50	1	1,5	1	,5	,5	14,5	4,5	7,5	22,5	8,5	5			1,68
1848	56,84	59,20	78	30	48	1,5	2,5	2	3,5	3,5	6,5	2	9,5	8,5	22,5	11			4,03
1849	52,86	59,68	71	38	33	3,5	7	1	2	2,5	6,5	5	3,5	19	12	10			6,41
1850	56,01	50,35	70	31	39	,5		1	2,5	2,5	2,5	12	10	26	5	6			2,68
Mean.	54,39	49,98				2,18	3,86	1,20	2,62	1,48	6,34	3,12	9,20	19,82	11,18				3,48
Total.						54,5	96,5	30	65,5	62	158,5	78	230	495,5	279,5				86,95

NOVEMBER.																			
1826	47,61	40,76	65	28	37	3	4,5			2	10	2,5	8	19	11	3,5	1		1,89
1827	42,18	34,48	63	21	42	1	1,5		3,5	,5	2,5	,5	20,5	15	15	3			6,15
1828	47,17	40,87	64	28	36		2	1	5,5	1	5	1	14,5	13	17	8			7,20
1829	41,26	39,79	60	19	41		3	2	5	1	3	3	13	17	13	7			4,75
1830	50,48	45,94	67	27	40		16,5		3,5		5		5	11	19	15,5			5,45
1831	44,42	36,59	65	22	43		,5	1	6,5		,5		21,5	23	7	2	1		1,35
1832	43,29	41,92	64	24	40		2		2,5	1	5,5	2	17	23	7	6			2,10
1833	44,84	36,77	64	19	45	1	5,5		3	1,5	7	4,5	7,5	18,5	11,5	4,5			2,47
1834	42,11	38,16	56	24	32	3	4,5	,5	,5	,5	6	3,5	11,5	14,5	15,5	5		,5	2,29
1835	44,44	37,46	67	19	48	1,5	4,5	4	2	2	4,5	3,5	8	10,5	19,5	5	,5	1	2,62
1836	42,82	35,94	62	24	38	2,5	3,5	1,5	2	2	7	9,5	14,5	15,5	4,5				3,56
1837	44,11	39,21	67	7	60	,5	2	1	1,5	3	5,5	5,5	11	20,5	9,5	2,5	2		1,66
1838	44,01	32,27	61	12	49	1	2,5	1,5	1	4,5	2,5	5	12	14	16	5,5	1	,5	4,89
1839	42,12	34,74	63	14	49	6,5	4	2	1	1,5	3,5	4	7,5	13	17	3,5			3,25
1840	48,04	38,80	62	30	32	8	3,5	4	,5	1	1,5	4	7,5	21,5	8,5	3,5	,5		3,20
1841	43,46	39,09	59	28	31	4	6,5	4,5	,5		1	1,5	12	16	14	7			2,62
1842	44,81	32,65	66	18	48	4	1,5	2	2,5	3	4	4	9	18	12	3,5	,5	,5	2,86
1843	36,48	40,80	63	18	45	4,5		,5	3	1	5,5	5,5	10	13	17	3,5	,5		3,91
1844	45,52	36,93	68	22	46	2,5	3,5		1	1,5	7	3	11,5	18	12	7,5			2,35
1845	43,66	40,59	66	17	49	1	6	,5	,5	,5	5	5	11,5	19	11	5		,5	3,42
1846	51,17	38,34	65	20	45	,5	11,5	3	3,5	1	3	1,5	6	11,5	18,5	3			7,96
1847	48,77	40,53	76	7	69	2,5		,5	2,5		7,5	3,5	13,5	18	12	6			5,68
1848	40,51	41,10	62	12	50	1	3	,5	2,5	2	7,5	1	12,5	13	17	5	1	1	1,29
1849	51,86	40,00	67	23	44	4,5	1,5	3	1,5	3,5	1,5	10	4,5	20,5	9,5	5			2,16
1850	46,47	40,68	62	27	35	,5	2	5,5	2	1,5	2	12,5	4	21	9	5			2,13
Mean.	44,86	38,57				2,12	3,82	1,54	2,30	1,42	4,32	3,74	10,74	16,64	13,36				3,49
Total.						53	95,5	38,5	57,5	35,5	108	93,5	268,5	416	334				87,21

DECEMBER.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	38,73	28,16	59	4	55	2,5	5,5		,5	,5	10,5	1	10,5	17,5	13,5	2	1	1	2,10
1827	40,40	31,08	53	13	40	,5	5	2	4		2,5		17	14,5	16,5	4		1	3,23
1828	42,09	33,55	60	14	46	1,5	,5	1	2,5	,5	8,5	1	15,5	23	8	2			,45
1829	40,61	39,67	67	20	47		8		4,5	1,5	6,5	,5	10	16,5	14,5	4		1	3,70
1830	36,94	33,81	53	10	43		4,5	3	2,5		3,5	1	16	17,5	13,5	7,5	1	2	6,50
1831	21,13	21,44	39	1	38		5	2	2		2		20	21	10	1	2		1,90
1832	35,93	31,55	50	11	39	,5	5,5	1	3		4		17	20	11	6	3	1	5,01
1833	34,79	34,20	46	20	26	3,5	10,5	2	,5		2	2	10,5	16	15	2	,5	,5	2,54
1834	35,18	31,30	56	7	49	3,5	8	,5	,5	1	4	5,5	8	11	20	2,5	3,5		,95
1835	27,28	28,77	48	3	45	2,5	6,5		1	1	6	4	10	13	18	5	1	1	2,05
1836	34,36	36,85	52	6	46	4,5	2	2	3	3	4	9	3,5	17	14	5,5		,5	3,54
1837	33,70	30,18	61	7	50	3,5	4,5			2,5	3,5	5	12	18,5	12,5	2,5	2,5		1,52
1838	31,06	24,32	45	5	40	1	2	1	,5	1	7	7,5	11	18	13	1,5	3	,5	,74
1839	39,72	25,16	56	2	54	4,5	10	1	,5	,5	1	1,5	12	12,5	18,5	5,5	4,5	,5	3,80
1840	33,62	32,83	61	15	46	9	4	1	1	1	2	2,5	10,5	21,5	9,5		2	,5	1,23
1841	35,50	33,97	52	24	28	8,5	5,5	1	1,5	3	5	1,5	5	17,5	13,5	3	1,5	,5	2,74
1842	33,55	30,18	49	12	37	5,5	4	1		,5	3,5	6	10,5	13,5	17,5	2,5	1	,5	2,94
1843	28,95	33,63	46	10	36	1,5	4	2	1,5	,5	4	6,5	11	14	17	3	2		2,60
1844	34,15	31,16	54	12	42	4	5,5	,5	1	1	5	7	7	14	17	5,5	,5		3,15
1845	25,90	24,48	44	6	38	3	4	,5	1,5		3,5		18,5	20,5	10,5	3	2,5	,5	3,21
1846	31,52	29,69	48	13	35	5	2,5	1,5	2,5	1	3	,5	15	18,5	12,5	5	2,5		1,47
1847	44,66	27,58	65	8	57	2	5		1,5	2,5	10,5	4	5,5	11,5	19,5	8	3		3,11
1848	47,36	37,72	70	18	52	1,5	10	1	6		5		7,5	7,5	23,5	9	3	4	4,15
1849	26,46	18,19	37	4	33	2	4,5	4,5	2,5	1,5	2	9	5	24	7	4	3		3,03
1850	34,75	27,88	52	10	42	5,5	5,5	,5	3	1,5	2,5	2	10,5	17	14	5	,5		5,51
Mean.	34,73	30,29				3,02	5,28	1,16	1,86	,96	4,44	3,12	11,16	17,02	13,98				2,85
Total.						75,5	132	29	46,5	24	111	78	279	25,5	349,5				71,17

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage, total fall.
	First Half.	Seco'd Half.																				
January, --	30,27	28,39	67	— 7	74	2,94	4,18	1,20	1,94	1,52	3,80	3,12	12,30	N 44° 49' W	29	8,66	16,82	14,18			2,50	62,41
February, --	26,94	31,61	62	— 7	69	2,48	4,56	1,08	1,86	1,22	3,52	3,00	10,52	N 45° 09' W	31	9,22	16,42	11,52			2,55	58,29
March, ---	35,22	40,05	79	15	74	2,42	4,06	1,22	2,26	2,50	4,54	2,50	9,90	N 59° 20' W	26	7,94	18,72	12,28			2,58	70,52
April, ----	45,10	49,89	86	16	70	1,34	4,26	1,60	2,58	3,46	5,76	2,16	6,04	N 58° 57' W	17	5,28	18,01	11,99			3,05	76,26
May, -----	54,33	58,72	98	26	67	1,54	3,24	1,28	3,08	4,74	7,20	3,14	4,73	N 56° 53' W	22	6,59	18,26	12,74			3,54	85,56
June, -----	64,36	67,06	98	37	61	1,52	2,24	1,56	3,00	4,36	7,98	3,02	5,86	N 54° 29' W	31	9,26	19,43	10,52			3,69	92,35
July, -----	70,51	72,04	100	46	54	1,94	2,32	,60	2,32	5,46	9,16	2,04	7,16	N 65° 54' W	35	10,55	21,52	9,48			3,91	98,66
August, ---	71,22	69,62	95	45	50	1,94	4,46	1,40	2,64	4,02	8,04	2,94	5,56	N 63° 32' W	26	7,96	20,56	10,44			4,09	102,15
September, --	66,06	60,24	93	29	64	2,48	4,32	1,46	2,38	3,32	5,66	2,78	7,10	N 55° 18' W	1,00	3,00	19,76	10,24			3,38	84,63
October, ---	64,39	49,93	85	22	63	2,18	3,86	1,20	2,62	1,48	6,34	3,12	9,20	N 71° 39' W	29	8,72	19,82	12,18			3,48	86,95
November, --	44,86	38,57	63	7	61	2,12	3,82	1,54	2,30	1,42	4,32	3,74	10,74	N 54° 04' W	36	10,79	16,64	13,36			3,44	86,21
December, --	34,73	30,29	65	1	64	3,05	5,28	1,16	1,86	,96	4,44	3,12	11,16	N 48° 37' W	41	12,20	17,02	18,98			2,85	71,17
Mean. ----	49,83	49,66				2,20	3,89	1,34	2,55	2,93	5,92	2,81	8,19	N 75° 07' W	24	7,13	18,59	11,93			3,26	81,54

Highest degree, July 24, 1830, — 100°
 Lowest degree, January 11, 1849, and February 2, 1836, — 7°
 Extreme range in 25 years, — 107°
 Greatest monthly range in January.
 Least monthly range in August.

Mean monthly range, 64½°.
 Driest month, February.
 Wettest month, August.
 Total fall of rain and snow in 25 years, 81 feet 7,19 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest no. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1826	31.61	34.80	40.22	44.75	64.62	68.92	71.77	71.78	66.66	54.08	44.19	38.44	52.19	93	-5	93	63	February 1,	May 15,	October 9,	November 4.
1827	28.70	34.74	41.35	52.44	56.74	65.40	70.99	71.53	62.11	53.41	38.33	35.74	50.95	95	2	33	59	January 21,	August 6,	October 17,	
1828	34.85	39.52	40.10	43.82	57.55	69.04	70.21	72.24	63.16	52.35	44.02	37.82	52.05	90	8	82	51	January 24,	June 25,	October 13,	November 14.
1829	27.24	33.15	38.70	46.63	57.77	65.66	68.91	69.92	57.42	50.67	40.53	40.14	48.51	90	0	90	61	February 24,	July 15,	September 29,	November 14.
1830	29.21	35.85	39.31	50.29	56.16	66.90	74.16	70.12	57.63	58.96	48.21	35.37	51.05	100	0	100	55	January 30,	July 24,	October 4,	December 6.
1831	24.97	33.00	41.20	48.17	58.72	70.05	72.59	73.65	65.01	55.05	40.50	31.28	49.51	92	1	91	57	January 13,	August 16,	October 7,	November 26.
1832	29.58	31.92	38.62	45.11	54.92	63.63	75.69	71.61	52.51	26.42	20.33	34.74	49.20	88	-5	93	65	January 27,	July 7,	October 15,	December 3.
1833	32.83	30.27	36.55	43.16	53.41	64.55	72.62	70.53	65.36	55.20	40.82	34.49	51.34	91	5	86	62	February 2,	Sept. 5,	October 29,	December 15.
1834	28.56	37.42	39.57	49.25	55.08	64.24	72.52	69.23	62.50	49.14	40.13	38.24	50.10	94	7	87	56	December 15,	July 26,	September 30,	November 16.
1835	28.82	25.92	34.70	44.73	54.83	62.13	67.63	65.29	56.20	52.82	40.95	28.02	46.84	86	-3	89	60	January 4,	August 14,	September 16,	November 28.
1836	27.01	31.99	31.93	45.07	56.63	61.78	70.26	64.30	63.42	45.47	39.33	30.60	46.52	90	-7	96	59	February 2,	Sept. 19,	September 30,	November 16.
1837	28.95	25.19	34.36	44.11	54.68	62.99	66.96	66.65	60.59	50.79	41.66	31.94	47.23	90	0	90	60	January 3,	August 30,	September 24,	November 14.
1838	34.05	21.48	37.16	41.95	52.62	67.47	74.53	72.19	63.34	49.45	38.14	27.69	48.32	97	5	92	50	February 17,	July 11,	October 9,	November 27.
1839	28.59	30.93	37.51	49.37	57.04	62.14	70.69	67.98	61.91	54.39	38.43	32.44	49.31	89	0	89	59	January 23,	August 27,	September 14,	November 10.
1840	22.60	34.15	38.92	48.94	57.80	66.02	70.39	70.45	60.18	52.92	43.42	33.22	49.91	91	0	91	60	January 17,	August 22,	September 14,	November 13.
1841	30.99	29.56	37.73	45.24	55.97	67.52	70.52	70.99	60.47	49.23	41.27	34.74	48.51	92	4	88	52	February 12,	August 8,	September 20,	November 29.
1842	30.58	33.54	41.31	50.45	58.94	63.25	70.81	63.61	62.10	52.30	38.73	31.86	43.37	93	7	86	55	January 24,	July 27,	September 18,	November 24.
1843	37.84	24.45	75.72	47.07	54.59	64.87	70.99	70.48	64.47	49.49	38.64	26.29	48.07	96	2	94	65	February 16,	July 24,	September 28,	November 7.
1844	24.16	30.36	38.69	51.45	59.52	63.56	66.69	67.41	62.41	50.14	41.22	32.65	49.02	90	-2	92	59	January 27,	July 14,	October 8,	December 11.
1845	32.53	30.42	39.57	45.04	55.91	65.32	71.43	72.89	62.37	53.81	42.12	25.19	49.71	99	2	77	69	February 9,	July 13,	October 15,	November 30.
1846	28.19	34.71	37.09	47.77	57.99	64.45	70.39	70.81	67.01	51.26	44.75	30.60	49.62	96	0	96	60	February 26,	July 10,	September 29,	November 25.
1847	28.84	29.34	38.32	45.29	55.22	65.48	72.71	69.85	62.81	49.77	44.65	36.12	49.49	98	-1	99	69	January 22,	July 15,	September 15,	December 18.
1848	25.64	32.34	38.09	50.67	62.99	68.99	71.86	72.66	64.77	54.87	40.89	42.54	59.28	92	6	87	54	January 19,	August 17,	September 17,	November 12.
1849	25.47	32.65	38.45	46.75	55.10	66.39	76.24	73.65	65.33	51.27	45.93	32.92	50.12	92	-7	105	65	January 11,	June 21,	September 2,	December 9.
1850	28.18	29.92	39.61	43.55	54.77	70.17	76.65	73.61	65.18	53.18	43.57	31.31	51.05	98	2	96	55	January 2,	July 25,	September 17,	November 18.
Mean	29.44	29.34	37.63	47.24	56.96	64.91	71.23	70.58	61.99	51.85	41.72	32.61	49.87								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1826	50	56	9	20.5	75	58	26	70.5	N 80 37' W	15	54.60	204	161	50	7.5	2
1827	20.5	44	7.5	45	18.5	66	7	155.5	N 55 18 W	31	113.39	129.5	235.5	42	3	2
1828	13.5	34.5	9.5	50.5	22.5	92.5	13	130	N 86 29 W	27	100.92	238	128	57	1	5
1829	4	58.5	11	48	8	93.5	4	137.5	N 67 10 W	24	88.47	233.5	131.5	47	8	2
1830	5	69	13.5	32.5	13.5	90	7	134.5	N 62 27 W	26	105.49	242	123	58.5	2	3
1831	2.5	57	8.5	35.5	8.5	90.5	4.5	168	N 59 23 W	38	139.99	260.5	104.5	44.5	6.5	0
1832	2.5	51	3	40	16	108	7	138.5	N 87 04 W	31	115.07	246	120	71.5	8	3
1833	9	48.5	5.5	30	23.5	96.5	14.5	137.5	N 76 52 W	33	122.12	257.5	107.5	32.5	4.5	3
1834	36	59.5	17.5	26.5	48.5	62.5	24.5	90	N 60 44 W	17	61.94	204.5	160.5	54.5	7	1
1835	31.5	53	17.5	31.5	41.5	56.5	45	88.5	N 68 25 W	21	75.58	221.5	143.5	61.5	6.5	3.5
1836	32.5	57	37.5	28.5	47.5	45.5	56	61.5	N 70 33 W	8	28.23	191.5	174.5	68	16	2.5
1837	31	41	19.5	41.5	49.5	42.5	42.5	97.5	N 71 56 W	18	66.97	203.5	161.5	68	7.5	2
1838	18.5	42.5	18.5	26	48	60	44.5	107	N 80 52 W	26	96.89	219.5	145.5	55.5	10.5	5.5
1839	38	53	20	26	46	55	34.5	92.5	N 69 9 W	20	73.32	200	165	66.5	11.5	1.5
1840	48.5	32.5	25.5	27.5	60.5	48.5	36.5	86.5	N 69 55 W	18	66.62	247.5	118.5	46.5	8	2.5
1841	46	38.5	33	25	41.5	48.5	55.5	77	N 62 44 W	20	74.64	218	147	58.5	11	.5
1842	40	39.5	15.5	32.5	50.5	57	40.5	89.5	N 76 29 W	22	80.93	212	153	48.5	5	1
1843	34	34.5	18.5	27.5	51	53	51	95.5	N 66 4 W	41	148.97	175.5	189.5	45	13	1
1844	43.5	38	12.5	23	46.5	91.5	34	77	S 78 43 W	27	97.61	199.5	166.5	63	6.5	1.5
1845	18.5	31	6.5	24	27.5	93.5	56	108	N 83 7 W	42	153.23	237	128	38	9.5	2
1846	24.5	55	9	36.5	19	96	31.5	93.5	N 79 37 W	26	93.33	232	133	55.5	7.5	4
1847	31	45.5	12	24.5	37.5	93.5	38	86	N 89 29 W	28	103.47	269	156	84	15	5
1848	23.5	53	10.5	38.5	25	79	17.5	108.5	N 75 14 W	21	77.44	169	197	85	9	8
1849	29	49.5	24.5	36	44	61	42	79	N 82 36 W	15	56.52	204	111	73	14	3
1850	30	26.5	34	27.5	26.5	40	125.5	55			244.5	120.5	65			
Total.	26.56	46.72	15.98	31.78	36.24	70.82	34.32	102.58	N 64°42' W	26	94.36	217.98	147.26			
Mean.	663	1168	399.5	794.5	906	1778.5	858.5	2564.5				5449.5	3681.5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1826	1.18	2.32	4.00	2.73	.19	12.58	3.72	14.22	2.55	3.28	1.89	2.10	55.66	May.	August.
1827	3.04	4.54	1.55	6.83	4.02	2.16	4.82	5.65	4.45	4.70	0.15	3.28	51.14	March.	April.
1828	2.75	3.20	5.95	5.45	5.00	3.17	4.00	1.80	8.29	1.65	7.20	.45	48.91	December.	September.
1829	5.10	3.67	4.00	5.05	3.55	1.45	2.70	1.30	3.20	4.36	4.75	3.70	45.83	June.	January.
1830	1.71	1.58	5.15	1.54	3.25	4.60	5.87	1.22	1.75	4.70	5.45	6.50	43.32	August.	December.
1831	3.80	2.00	3.25	5.75	3.30	1.60	4.12	1.25	6.20	4.70	1.35	1.90	37.75	August.	September.
1832	4.65	3.25	2.10	4.25	3.46	.90	6.03	5.15	1.50	.75	2.10	5.01	33.25	October.	July.
1833	1.30	2.00	2.42	4.50	4.60	3.85	4.52	2.07	3.40	6.75	2.47	3.54	30.67	April.	October.
1834	1.74	2.02	1.00	3.22	3.28	6.41	6.17	1.06	2.94	2.59	2.29	.95	34.06	December.	June.
1835	3.15	.63	2.17	3.93	.76	3.39	4.19	2.65	1.50	1.74	2.62	2.05	23.73	February.	July.
1836	5.39	3.62	2.21	.94	1.99	7.45	2.19	1.86	1.24	2.58	3.56	3.54	36.48	April.	June.
1837	.93	1.72	5.57	3.22	4.63	3.58	3.58	3.12	1.28	1.32	1.66	1.52	32.13	January.	March.
1838	2.05	.96	2.21	2.46	3.05	2.02	3.29	1.36	6.64	4.08	4.89	.74	33.70	December.	September.
1839	.88	1.52	2.33	2.86	3.78	3.90	2.19	3.34	4.37	1.77	3.25	3.80	33.44	January.	September.
1840	2.13	2.11	1.77	5.52	3.08	2.93	3.01	5.18	1.97	3.29	3.20	1.23	35.47	December.	April.
1841	4.42	.91	2.25	3.53	3.67	6.02	3.11	3.44	4.39	6.67	2.62	2.74	44.57	February.	October.
1842	2.67	3.19	1.66	3.74	4.60	3.53	6.19	5.73	2.50	1.93	2.56	2.94	41.59	March.	July.
1843	.89	1.66	2.69	3.76	2.13	4.71	1.15	3.96	.40	2.32	3.91	2.60	33.66	June.	August.
1844	3.96	.96	3.19	.80	3.43	.79	6.25	6.06	5.07	3.74	2.35	3.15	43.72	April.	July.
1845	2.10	3.52	1.85	1.23	1.20	4.41	3.56	3.46	2.93	2.72	3.42	3.21	33.71	May.	June.
1846	4.04	1.74	3.73	3.11	5.46	1.20	3.41	2.41	.40	1.01	1.96	1.47	35.94	September.	November.
1847	2.47	4.42	2.94	1.69	2.20	4.46	5.41	5.01	5.40	1.63	5.63	3.11	44.47	October.	November.
1848	1.80	1.51	2.12	.90	5.79	4.50	3.62	.75	2.29	4.03	1.29	4.15	32.75	August.	May.
1849	.10	1.61	3.69	.67	4.97	.63	1.66	4.27	.53	6.41	2.16	3.03	30.03	January.	October.
1850	1.21	1.23	.99	1.93	3.27	2.16	3.90	7.36	6.64	2.63	2.13	5.51	44.56	March.	September.
Mean.	2.50	2.23	2.33	3.05	3.54	3.69	3.94	4.09	3.33	3.43	3.49	2.85	39.07		
Total.	62.41	55.39	70.32	76.36	58.50	92.35	93.66	102.13	84.63	86.95	57.21	71.17	976.64		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1826	10	31	26	1	10	17	17	11	15	1	3	22	22	27	20	8	3	24	6	25	6	23	8	28
1827	28	20	28	11	26	3	11	1	27	1	30	1	2	24	6	28	14	26	9	31	4	21	9	23
1828	37	24	7	12	28	4	29	14	10	1	28	3	25	13	25	4	1	9	9	16	3	18	9	31
1829	1	3	8	4	30	1	29	11	28	3	17	30	15	4	24	29	2	11	25	21	17	12	7	22
1830	3	30	20	6	30	4	22	11	14	10	15	4	24	1	1	26	7	18	12	26	1	30	31	22
1831	4	13	16	9	27	17	20	9	31	9	2	23	20	11	*	28	2	30	4	6	10	†	24	15
1832	18	27	19	24	12	18	27	6	14	24	17	3	20	11	15	26	19	13	10	26	18	15	8	22
1833	5	11	18	1	22	2	30	15	1	19	23	9	24	3	13	28	5	12	2	30	9	19	17	12
1834	18	5	20	7	19	4	17	25	24	13	9	3	26	30	12	28	4	30	2	29	7	15	6	15
1835	26	4	22	8	21	1	9	17	20	9	13	8	13	1	14	16	6	30	19	25	16	29	26	16
1836	2	28	23	2	28	12	26	6	3	30	17	2	7	17	28	23	19	29	2	31	11	25	10	28
1837	31	3	23	13	13	3	30	4	31	1	30	11	1	9	30	23	10	13	24	29	20	26	3	22
1838	18	30	8	17	24	1	29	16	17	1	12	20	11	23	6	29	11	23	5	31	8	25	5	30
1839	12	23	25	6	27	4	28	21	20	4	11	5	22	5	27	30	9	30	3	20	14	26	6	19
1840	30	17	23	4	4	11	23	2	18	9	12	7	15	3	22	10	9	22	9	26	6	18	13	25
1841	7	3	22	12	29	16	24	3	28	7	13	10	8	7	8	31	6	28	19	29	3	23	6	25
1842	9	24	28	17	20	12	11	4	11	20	26	8	27	6	27	1	12	24	1	20	1	28	4	23
1843	20	3	11	16	28	2	25	2	16	3	20	1	24	4	8	6	4	11	21	31	18	27	22	10
1844	17	27	21	10	25	31	4	1	27	14	26	15	14	4	23	26	15	28	18	31	11	29	7	28
1845	1	19	21	6	28	21	28	8	12	16	9	30	13	4	25	27	7	22	10	21	18	28	14	12
1846	31	18	5	26	20	2	21	15	26	11	5	23	10	15	6	26	6	28	8	21	22	26	2	15
1847	1	22	9	24	21	12	22	18	29	2	28	15	18	26	13	19	4	15	22	27	9	29	14	26
1848	1	10	21	11	31	15	10	19	20	14	16	1	26	7	17	24	5	23	1	26	4	10	8	31
1849	26	11	28	16	29	9	4	15	28	7	21	14	13	2	31	29	3	29	17	27	1	29	1	25
1850	11	2	26	5	24	7	28	15	13	2	20	1	25	12	9	20	6	13	5	30	2	24	1	10

* 16 20. † 29 30.

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1826	61	3	58	—5	68	18	66	20	93	40	90	55	91	56	87	58	86	47	76	32	65	28	59	4
1827	52	2	52	9	65	20	71	32	79	38	86	44	93	54	95	50	85	42	71	30	63	21	53	13
1828	50	8	61	15	72	11	67	28	73	39	90	47	92	53	93	55	93	47	77	26	64	28	60	14
1829	49	8	40	0	62	19	80	33	87	38	83	53	90	50	90	52	90	29	73	27	60	19	67	20
1830	47	0	53	1	73	18	84	32	80	36	92	51	100	59	91	54	86	38	78	35	67	27	53	10
1831	58	4	53	4	67	20	77	30	90	33	90	48	91	56	92	52	89	36	80	34	65	32	39	1
1832	60	—5	57	11	66	12	79	27	77	32	88	47	86	52	87	50	83	41	74	29	64	24	50	11
1833	67	10	55	5	67	5	86	33	87	51	86	40	89	58	90	50	91	44	74	31	64	19	46	20
1834	54	7	60	13	62	19	82	32	86	30	93	40	94	56	89	48	82	31	79	28	56	24	56	7
1835	57	—3	56	6	57	21	70	26	84	36	82	41	86	47	83	45	80	36	72	28	67	19	48	3
1836	47	1	52	—7	55	10	76	22	85	34	88	46	88	52	85	49	89	34	73	25	62	24	52	6
1837	46	0	43	2	57	7	70	20	77	26	86	46	86	52	90	48	86	43	76	27	67	7	61	7
1838	58	11	51	7	66	16	69	22	74	32	90	42	97	52	95	49	90	43	75	28	61	12	45	5
1839	57	0	52	8	68	9	84	26	82	32	82	43	89	54	86	51	83	41	76	33	63	14	56	2
1840	44	0	60	0	71	15	76	24	90	36	88	46	91	54	85	52	78	40	77	30	62	30	61	15
1841	52	8	56	4	57	20	67	26	78	31	87	44	92	52	92	51	76	43	76	28	59	28	52	24
1842	48	7	45	20	74	20	73	18	80	39	86	37	93	56	87	50	90	36	76	32	66	18	49	12
1843	62	8	48	2	53	11	73	27	84	34	90	37	96	48	88	56	90	35	75	30	63	18	46	10
1844	50	—2	54	10	66	20	83	24	83	38	90	43	89	46	84	60	87	41	72	33	68	22	54	12
1845	50	9	62	2	79	20	80	24	91	34	96	46	99	48	94	54	86	42	76	24	66	17	44	6
1846	52	1	58	0	64	10	86	26	85	38	87	50	96	52	94	90	92	40	85	24	65	20	48	13
1847	57	—1	52	12	56	19	82	16	89	32	98	50	94	54	90	50	90	36	72	22	76	7	65	8
1848	52	5	52	11	66	12	76	30	88	40	92	44	88	56	88	50	89	40	78	30	62	12	70	18
1849	58	—7	43	—5	71	20	71	23	88	37	97	51	98	55	90	60	86	52	71	38	67	23	37	4
1850	50	2	55	6	66	11	68	28	79	40	93	51	98	63	93	60	86	50	70	31	62	27	52	10
Highest.	67		62		79		86		93		98		100		95		93		85		68		65	
Lowest.		—7		—7		5		16		26		37		46		45		29		22		7		1
Range.		74		69		74		70		67		61		54		50		64		63		61		64

SUMMARY OF OBSERVATIONS AT UNION LITERARY SOCIETY,

BELLEVILLE, (ELLISBURGH,) JEFFERSON COUNTY, N. Y., DURING NINE YEARS.

Latitude N. 43° 45'; Longitude W. 76° 10'. Near the eastern shore of Lake Ontario.

OBSERVERS.

1830, ALVIN NINES, a Student.

1831, JOHN R. GROUT.

1833, JOHN W. SARGENT.

1834, J. W. SARGENT, J. B. COOK and L. G. PARKER, Students.

1835, H. H. BARNEY, Prin'l, L. G. PARKER and D. W. LITTLEFIELD.

1836, LYMAN E. BOOMER, Principal.

1842, GEO. J. KING, Principal, and D. ALONZO KING, Student.

1843, GEO. J. KING and RICHARD ELLIS, Principals, and others.

1844, ORASMUS COLE.

JANUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1830	26,85	12,94	47	—18	65	5	2	3	2	9,5	3	5	1,5	12,5	18,5		5,5		,56
1831	26,79	17,86	50	—19	69	3	11,5	,5		2	2,5	3	8,5	18	13	,5	3		,19
1833	26,00	24,20	44	—24	22	2	4,5	1,5	1	3,5	6	7,5	5	12	19	1,5	1,5		2,35
1834	23,55	20,37	45	—9	54		4	,5	1,5	8	3,5	5,5	8	10	21	,5	3,5		1,70
1835	16,22	33,65	50	—28	78	1,5	5,5	2,5	1,5	9,5	4	5,5	1	11,5	19,5	3,5	,5	,5	1,60
1836	26,61	18,41	44	—25	69	4	4,5	,5	5	4	3	4,5	5,5	5,5	25,5		10	2	3,99
1842	24,43	31,35	54	—9	63	,5	3	,5	2,5	11,5	2,5	7	3,5	15	16	1,5	2,5		1,90
1843	32,51	29,77	59	—2	57	3	,5	,5	2,5	8,5	2,5	12	1,5	18	13	1	4	1	3,05
1844	23,47	12,23	41	—10	51	11	3	,5	4,5	2	1	5	4	14,5	16,5	,5	5,5		2,54
Mean.	25,16	22,31				3,33	4,28	1,11	2,28	6,50	3,11	6,11	4,28	13,00	18,00				1,99
Total.						30	38,5	10	20,5	58,5	28	55	38,5	117	162				17,88

FEBRUARY.

1830	15,57	48,71	50	—23	73	4	4		1	9	5	2	3	19,5	8,5		2		,18
1831	18,46	22,99	56	—14	70		3	,5	4	5	4	6	5,5	14,5	13,5	1	8,5		1,37
1833	16,94	21,45	44	—25	69	3	3,5	1,5	3	2	3	7	5	14,5	13,5	,5	2,5		3,60
1834	30,27	36,46	56	—3	59	1,5	5	,5	2	10	4,5	4	,5	12,5	15,5	1	1		1,30
1835	12,19	26,85	47	—12	59	4	5	1	1	5,5	4,5	4,5	2,5	4,5	23,5	1,5	10		3,13
1836	12,99	22,27	51	—34	85	3	6		2	7	1,5	2,5	7	9	20	3	10,5		,80
1842	32,37	25,47	58	—9	67	2	2,5	1,5	2,5	10,5	,5	4	4,5	7,5	20,5	1,5	6,5	,5	3,12
1843	11,16	16,51	36	—10	46	4	3	1,5	3,5	6	2,5	3,5	4	13,5	14,5		11	1	2,74
1844	26,40	31,03	48	—0	48	1,5	4,5	,5	9	2,5	3	7	1	14	15		2		,22
Mean.	19,59	27,97				2,56	4,06	,78	3,11	6,39	3,17	4,50	3,67	12,17	16,05				1,83
Total.						23	36,5	7	28	57,5	28,5	40,5	33	109,5	144,5				16,46

MARCH.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	32,05	40,45	68	— 9	77	5	4,5	,5	4	5	5	3	4	16	15	2,5	3		1,35
1831	37,44	39,03	60	— 8	52	1,5	1,5	,5	,5	12	3	9,5	2,5	9,5	21,5	1		1	,37
1833	19,77	43,53	72	— 22	94	2	5,5	,5	3	9,5	6,5	2,5	1,5	16,5	14,5	,5	1		1,80
1834	34,23	35,08	62	— 4	66	3,5	4		1	8	8	1,5	5	19	12	2,5	1,5		1,50
1835	27,94	35,76	57	— 22	79	5	3	,5	1	4	8	7,5	2	13	18		3,5		,70
1836	22,42	33,22	64	— 4	68	,5	1		1,5	14	2,5	7,5	4	13	18	3	6,5		1,15
1842	36,59	37,36	63	— 0	63	3	5,5	1	2	8	3,5	7,5	,5	13	18	2,5	4	,5	2,57
1843	18,19	29,79	38	— 9	47	4,5	,5	1	4	4	3	7,5	6,5	17,5	13,5	1	7,5		2,97
1844	37,79	31,93	54	— 10	44	5	4,5		8	2,5	2,5	8	,5	13	18	2	2		,95
Mean.	29,60	36,24				3,33	3,33	,44	2,79	7,44	4,67	6,06	2,94	14,50	16,50				1,48
Total.						30	30	4	25	67	42	54,5	26,5	130,5	148,5				13,36
APRIL.																			
1830	50,52	61,28	80	28	52	4,5	4	5,5	4	4,5	5,5	2		23	7	2			,74
1831	47,74	42,39	70	26	44	4,5	1	1	2,5	5,5	3,5	8,5	3,5	12,5	17,5	2	,5	1	2,45
1833	42,94	55,04	78	28	50	1,5	2,5	1,5	1	8	13,5	1,5	,5	19,5	10,5	1,5			,75
1834	49,73	44,68	78	26	52	1,5	4		3,5	5,5	5	5	5,5	17,5	12,5	4,5	,5		3,30
1835	51,86	40,96	77	29	48	2,5	2,5	,5	2,5	4	7,5	6,5	4	12,5	17,5	4	1		,84
1836	30,55	46,85	65	18	47	3	2,5		1	5	6,5	5	7	14	16	4	4		2,42
1842	43,05	48,85	79	14	65	1,5	5,5	3	1	5	4	7	3	15	15	4,5	,5		3,29
1843	46,17	55,25	64	28	36		2	2	5	2,5	8,5	7,5	2,5	18	12	2,5	2,5	,5	1,51
1844	54,67	54,80	78	19	59	1,5	4	2,5	9,5	2,5	3	5,5	1,5	22	8	2			1,45
Mean.	46,36	50,01				2,28	3,11	1,78	3,34	4,72	6,33	5,39	3,05	17,11	12,89				1,86
Total.						20,5	28	16	30	42,5	57	48,5	27,5	154	116				16,75
MAY.																			
1830	50,82	52,14	85	30	55	4	1,5	,5		3,5	8,5	9	4	22,5	8,5	3,5			1,34
1831	53,14	51,63	87	32	55	5	2		2,5	10,5	3	8		16	15	3,5	1		1,22
1833	60,80	62,11	88	32	56	1	4	1	1	10	11,5	,5	2	17,5	13,5	2,5			4,40
1834	43,87	62,79	85	24	61	2	2,5			7,5	2,5	13	3,5	20,5	10,5	2,5	,5		,69
1835	59,56	63,20	80	38	42		4,5	3	2	7	3,5	9	2	19,5	11,5	3,5			1,84
1836	56,98	57,13	86	23	63	,5	5	2	4	2	7,5	6,5	3,5	14	17	10,5			5,42
1842	47,46	55,18	86	30	56	2	2,5	,5	,5	6,5	5	13	1	18	13	6,5			2,29
1843	57,59	63,45	69	52	17	,5	,5	2,5	6	5,5	6,5	9	,5	22	9	2,5			1,60
1844	64,87	62,29	84	40	44		4,5	2,5	6,5	1,5	9	5,5	1,5	16,5	14,5	4			3,75
Mean.	55,01	58,88				1,67	3,00	1,33	2,50	6,00	6,33	8,17	2,00	18,50	12,50				2,45
Total.						15	27	12	22,5	54	57	73,5	18	166,5	112,5				22,05

JUNE.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	55,03	58,05	76	35	41	1,5			1,5	6	7	7	7	21	9	7			4,77
1831	73,33	66,95	95	40	55	2,5	2,5		,5	5	6	11	2,5	23,5	6,5	2			2,10
1833	54,70	64,44	85	30	55	1,5	1		1,5	3,5	15,5	4,5	2,5	20,5	9,5	1,5			,61
1834	60,72	65,83	83	23	60	,5	2,5		2	2,5	8,5	9,5	4,5	16,5	13,5	,5			2,56
1835	69,83	60,40	92	50	42		5,5	,5	2,5	5	8,5	7,5	,5	16,5	13,5	3,5			,89
1836	66,82	60,77	91	40	51	1,5	1	2,5	7	5	7	2,5	3,5	12	18	10,5			3,66
1842	58,19	66,86	91	30	61	2	2	1	,5	10,5	5	9		18	12	7			3,29
1843	64,90	73,21	79	60	19			,5	,5	11	7	11		26,5	3,5	6,5			3,65
1844	65,32	78,04	92	50	42		2	8,5	5,5	1,5	5,5	6	1	21,5	8,5	3,5			,75
Mean.	63,20	66,06				1,06	1,83	1,44	2,38	5,56	7,78	7,56	2,39	19,56	10,44				2,48
Total.						9,5	16,5	13	21,5	50	70	68	21,5	176	94				22,28

JULY.

1830	63,02	72,17	90	39	51	1,5		,5	1	7,5	7	9,5	4	25	6	4			3,36
1831	69,64	68,92	87	51	36	1		,5	1	8	2,5	17,5	,5	22,5	8,5	2,5			6,48
1833	68,36	66,71	94	50	44	1,5	2,5	,5	1	4,5	14	5,5	1,5	24	7				1,15
1834	71,64	71,80	98	48	50	1,5	,5	1	,5	3	12	7	5,5	26	5	1			1,43
1835	58,99	77,15	92	43	44	,5	2,5			8	7,5	12,5		25	6	2,5			1,96
1836	69,55	65,51	96	40	56	,5	5,5		1	2	8,5	9,5	4	15,5	15,5	5			1,40
1842	67,73	70,19	94	48	46	3	2	,5	1	7	6	9,5	2	20,5	10,5	5			3,04
1843	72,03	74,53	90	62	28	,5	,5	2	1	5	7	15		25,5	5,5	3			3,24
1844	72,43	73,40	90	54	36		4	3	7	,5	8,5	8		21	10	4,5			4,60
Mean.	68,15	71,15				1,11	1,94	,89	1,50	5,06	8,11	10,45	1,94	22,78	8,22				2,96
Total.						10	17,5	8	13,5	45,5	73	94	17,5	205	74				26,66

AUGUST.

1830	58,76	60,23	85	36	49	3,5	4,5	1	1	2,5	5,5	5	8	27	4	1,5			,88
1831	65,59	68,78	88	46	42	4	3	2,5	,5	4,5	6	10,5		22	9	2			2,53
1833	63,17	61,93	83	46	37	2	4	1,5	,5	3,5	12	7	,5	15,5	15,5	4			2,12
1834	71,93	62,15	98	39	59	1,5	4,5	1	1	2	5,5	7,5	8	19,5	11,5	2			,75
1835	69,10	64,17	92	44	48	6				9	6,5	6,5	3	17	14	7,5			6,53
1836	61,04	60,42	90	30	60	2,5	3		,5	4	6	3,5	11,5	13,5	17,5	7			1,35
1842	67,49	70,94	86	42	44	1,5	3	5	2	3,5	7,5	5,5	3	19,5	11,5	4,5			2,63
1843	70,31	73,27	84	60	24	3,5	1,5	2	3	6	7	7	1	19	12	4			2,95
1844	71,88	70,88	90	56	34	1	1	1	13,5	,5	2,5	9	2,5	18,5	12,5	4,5			3,66
Mean.	66,58	65,86				2,83	2,72	1,56	2,45	3,94	6,50	6,83	4,17	19,05	11,95				2,60
Total.						25,5	24,5	14	22	35,5	58,5	61,5	37,5	171,5	107,5				23,40

SEPTEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	59,80	48,50	78	19	59	2	7	1	2	9	3	4,5	1,5	13,5	16,5	3,5			4,68
1831	63,94	55,41	81	41	40	1,5	4	,5	1,5	5	6,5	8	3	7	23	7			5,73
1833	60,66	58,53	83	35	48	3	3,5	,5	,5	4	8	4,5	6	19	11	2,5			1,42
1834	63,11	57,98	87	44	43	2	1,5	,5	,5	6	9	4,5	6	15	15	3,5			1,38
1835	59,85	51,30	85	32	53	2,5	,5			11	5	2,5	8,5	14,5	15,5	6			2,29
1836	61,21	59,54	90	28	62	,5	1	4	3	6,5	10,5	3	1,5	15,5	14,5	2,5			2,25
1842	62,98	52,67	85	30	55	1,5	1,5	3,5	2,5	5,5	4	9,5	2	13,5	16,5	8			5,81
1843	70,42	65,21	84	53	31	2,5	,5	2	2	5,5	8	8,5	1	22	8	5			2,46
1844	70,93	58,82	86	36	50	,5	2,5	2,5	12		5,5	3,5	3,5	19,5	10,5	1,5			,19
Mean.	63,65	56,44				1,78	2,44	1,61	2,67	5,83	6,61	5,39	3,67	15,50	14,50				2,91
Total.						16	22	14,5	24	52,5	59,5	48,5	33	139,5	120,5				26,21
OCTOBER.																			
1830	48,16	45,02	68	20	48	5	5	1	2,5	9	1,5	7		20	11	3			2,45
1831	50,93	53,38	77	25	52	4,5	1,5		2,5	12	,5	9	1	14,5	16,5	5,5			5,91
1833	51,46	42,09	76	20	56	3,5	3		1,5	7	6	3	7	10	21	7		,5	2,21
1834	51,83	41,04	76	20	56	5	4	1	1,5	8	3	5	3,5	14	17	4,5	,5		1,30
1835	48,66	55,98	78	30	48		1,5			11,5	11,5	3	3,5	14	17	11			6,38
1836	44,08	36,95	62	14	48	6	3		8	3,5	3	7,5	7,5	23,5	9	3			3,15
1842	50,84	44,34	69	26	43	3	2,5	4	2	6	3,5	9	1	20,5	10,5	7			6,62
1843	60,25	47,27	68	36	32	2	2	1	1	6	8,5	10	,5	12,5	18,5	11,5	1		4,57
1844	58,09	51,28	68	29	39	1	6,5	,5	11,5		1,5	4,5	5,5	12	19	4	1,5		3,43
Mean.	51,59	46,37				3,33	3,22	,83	2,50	7,50	4,39	5,95	3,28	13,89	17,11				4,00
Total.						30	29	7,5	22,5	67,5	39,5	53,5	29,5	125	154				36,02
NOVEMBER.																			
1830	42,71	34,67	60	22	38	2	10,5	4,5	5,5	2	1,5	3,5	,5	9,5	20,5	4		,5	4,60
1831	49,66	31,86	58	16	42	8,5	4	,5	1,5	7	1	2	5,5	7,5	22,5	4	3		3,30
1833	41,80	31,15	56	12	44	3	3,5		1	8,5	5,5	2,5	6	9,5	20,5	2,5	1	5	2,31
1834	37,08	32,78	57	8	49	9	3		,5	5,5	4,5	2,5	5	4,5	25,5	3,5	3		2,04
1835	43,18	30,14	65	5	60	4,5	3		,5	9,5	2,5	6,5	3,5	10	20	5,5	5		2,53
1836	39,70	30,30	60	10	50	8	2,5			13	2	4	,5	8,5	21,5	5,5	5,5		1,20
1842	36,69	26,54	57	1	58	1,5	2,5	4	2,5	6	3	10	,5	9	21	1	3,5	,5	4,78
1843	42,44	42,82	56	27	29	2,5	,5	,5	1	5,5	6,5	12,5	1	5	25	4,5	4		3,84
1844	41,84	34,42	58	18	40		5		11	1	2,5		10,5	10	20	1,5	1		1,14
Mean.	41,68	32,74				4,33	3,83	1,06	2,61	6,45	3,22	4,83	3,67	8,18	21,82				2,86
Total.						39	34,5	9,5	23,5	58	29	43,5	33	73,5	196,5				25,74

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1830	27,00	23,76	51	—	3 54	1	7	1	1	6,5	2,5	6,5	5,5	6	25	2	4		1,18
1831	18,78	12,95	39	—	13 52	2,5	2,5		,5	8	6	2	9,5	21,5	9,5		4,5		1,20
1833	24,71	29,19	50	—	12 62	3,5	10	2,5	4	4,5	1	,5	5	10	21		4		3,10
1834	27,24	25,53	44	—	10 54	1	11	2,5	2,5	7	2,5	2	2,5	5	26	,5	3,5	1,5	1,04
1835	14,72	23,27	47	—	11 58	2	4	2,5	3	7,5	3,5	3,5	5	5,5	25,5	2	13,5		2,32
1836	32,75	18,69	56	—	10 66	1,5	,5		2	6,5	5,5	10,5	4,5	6,5	24,5	1	11	2	2,80
1842	26,79	23,21	42	—	9 51	6	3,5	,5	3,5	6,5	2,5	6,5	2	12	19		6	,5	3,31
1843	34,68	46,34	57	—	20 37	4	3	1	3,5	5	4	10	,5	6	25	1,5	6	1	2,43
1844	28,77	28,21	56	—	7 63	2,5	8	1	8,5		1,5	1	8,5	10,5	20,5	2	3	,5	1,70
Mean.	26,16	25,68				2,67	5,50	1,22	3,17	5,72	3,22	4,72	4,78	9,22	21,78				2,12
Total.						24	49,5	11	28,5	51,5	29	42,5	43	83	196				19,08

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Rain gage. Total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	
	First Half.	Seco'd Half.																					
January, - -	25.14	22.31	59	—28	87	8.83	4.28	1.11	2.28	6.50	8.11	6.11	4.28	S 88° 00' W	21	6.86	13.00	18.00				1.99	17.88
February, -	19.58	27.97	58	—34	92	2.56	4.06	.78	8.11	6.89	8.17	4.50	3.67	S 51° 16' W	15	4.47	12.17	16.05				1.83	16.46
March, - - -	29.60	36.24	72	—22	94	8.33	3.33	.44	2.79	7.44	4.67	6.06	2.94	S 53° 18' W	27	8.28	14.50	16.50				1.48	13.86
April, - - -	46.36	50.01	86	14	66	2.28	3.11	1.78	8.84	4.72	6.88	5.89	8.05	S 49° 02' W	25	7.52	17.11	12.89				1.86	16.85
May, - - - -	55.01	58.88	88	23	65	1.67	8.00	1.88	2.50	0.00	6.83	8.17	2.00	S 51° 30' W	39	11.29	18.50	12.50				2.45	22.05
June, - - - -	63.20	66.06	95	23	72	1.06	1.88	1.44	2.88	5.56	7.78	7.56	2.89	S 49° 15' W	44	13.23	19.56	10.44				2.48	22.28
July, - - - -	63.15	71.15	93	89	59	1.11	1.94	.89	1.50	5.06	8.11	10.45	1.94	S 60° 41' W	54	16.82	22.78	8.22				2.96	26.66
August, - - -	66.53	65.86	93	80	63	2.83	2.72	1.56	2.45	8.94	6.50	6.53	4.17	S 74° 27' W	32	9.52	19.05	11.95				2.60	23.40
September, -	63.65	56.44	90	19	71	1.78	2.44	1.61	2.67	5.83	6.61	5.39	8.67	S 53° 36' W	19	5.77	15.50	14.50				4.02	36.21
October, - -	31.59	46.37	78	14	64	3.33	3.22	.83	2.50	7.50	4.39	5.95	8.28	S 55° 58' W	26	7.83	13.59	17.11				4.00	36.02
November, -	41.63	32.74	65	—1	66	4.33	3.83	1.06	2.61	6.45	3.22	4.83	8.67	S 64° 44' W	15	4.51	8.23	21.72				2.86	25.74
December, -	26.16	25.68	56	—36	92	2.67	5.50	1.12	3.17	5.72	3.22	4.72	4.78	S 45° 15' W	15	4.40	9.22	21.75				2.12	19.08
Mean, - - -	44.74	46.64				2.54	3.27	1.18	2.61	5.92	4.95	6.32	8.82	S 59° 12' W	26	8.19	15.21	15.14				2.55	22.99

Highest degree, July 10 and August 5, 1834, - - - - - 93°
 Lowest degree, December 16, 1835, - - - - - —35
 Extreme range in 9 years, - - - - - 133
 Greatest monthly range in March.
 Least monthly range in July.

Mean monthly range, 74½°.
 Driest month, March.
 Wettest month, September.
 Total fall of rain and snow in 9 years, 22 feet 11,99 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1830	19,89	24,35	36,25	55,90	51,47	56,54	67,59	59,49	54,15	46,59	43,69	25,88	45,94	90	-23	113	77	February 6,	July 19,	September 2,	November 27.
1831	22,38	20,72	38,24	45,07	52,39	70,14	69,28	67,18	59,68	52,16	40,76	15,92	46,15	95	-19	114	70	December 22,	June 3,	October 12,	October 24.
1833	25,10	19,19	31,65	48,99	61,45	59,57	67,53	62,55	59,59	46,77	36,47	26,95	45,48	94	-25	119	94	February 21,	July 23,	September 2,	November 19.
1834	21,96	33,36	32,15	47,20	53,33	63,27	71,66	67,04	60,54	46,43	34,93	26,38	46,52	98	-10	108	66	December 14,	July 10,	October 2,	November 28.
1835	24,93	19,52	31,85	46,41	56,43	65,11	67,57	66,13	55,57	52,32	36,66	15,99	45,12	92	-36	123	79	December 16,	June 11,	October 6,	November 13.
1836	22,51	17,63	27,82	38,70	57,06	63,79	67,53	60,73	60,37	40,51	35,00	25,72	43,11	91	-34	125	69	February 5,	July 8,	October 6,	October 15.
1842	27,89	25,92	36,95	45,95	51,32	63,02	68,96	69,21	57,82	47,59	31,62	25,00	46,19	94	-9	103	67	January 23,	July 19,	September 20,	November 17.
1843	31,14	18,83	23,99	50,68	61,51	69,05	73,25	71,79	67,81	53,76	42,63	40,51	49,98	90	-10	100	57	February 5,	July 1,	September 11,	October 27.
1844	17,85	28,71	34,56	54,73	63,58	71,68	72,91	71,06	64,87	54,68	38,18	25,49	50,19	92	-10	102	63	January 29,	August 16,	September 25,	October 29.
Mean.	23,73	22,91	32,64	43,18	56,50	64,68	69,59	66,13	60,94	48,98	37,77	25,93	46,51								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1830	39	50	18,5	25,5	74	55	64	39	S 63°39' W	18	65,34	215,5	149,5	33	14,5	
1831	38,5	36,5	6,5	17,5	84,5	44,5	95	42	S 72°63' W	40	146,84	190	175	31	20,5	2
1833	27,5	47,5	11	19	68,5	102,5	46,5	42,5	S 55°11' W	30	171,64	188,5	176,5	23	10	5,5
1834	29	46,5	7	16,5	73	68,5	67	57,5	S 73°42' W	30	108,93	180	185	26,5	14	1,5
1835	28,5	37,5	11,5	14	91,5	72,5	75	35,5	S 54°57' W	35	126,67	163,5	201,5	50,5	33,5	5,5
1836	31,5	35,6	9	27	77	64	62	60	S 65°49' W	29	105,76	134,5	231,5	61	49,5	4
1842	27,5	36	25	22,5	86,5	47	97,5	23	S 50°31' W	29	104,47	181,5	183,5	49	23	2
1843	27	14,5	16,5	33	70,5	71	113,5	19	S 53°42' W	42	157,64	205,5	159,5	43	34	3
1844	24	49,5	22,5	106,5	14,5	46	63	40	S 11°17' E	10	35,72	193	173	30	15	5
Mean.	30,28	39,28	14,16	31,28	71,11	68,56	75,95	39,83	S 58°37' W	27	99,83	183,55	181,67			
Total.	272,5	353,5	127,5	281,5	640	571	633,5	358,5				1652	1635			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1830	.56	.18	1.35	.74	1.34	4.77	3.86	.88	4.68	2.45	4.60	1.18	26.09	February.	June.
1831	.19	1.37	.37	2.45	1.22	2.10	6.48	2.53	5.73	5.91	3.30	1.20	32.55	January.	July.
1833	2.85	3.60	1.80	.75	4.40	.61	1.15	2.12	1.42	2.21	2.81	3.10	25.82	June.	May.
1834	1.70	1.30	1.50	3.30	.69	2.56	1.48	.75	1.33	1.80	2.04	1.04	19.04	May.	April.
1835	2.60	3.18	.70	.84	1.34	.39	1.96	6.53	2.29	6.38	2.53	2.32	80.51	March.	August.
1836	3.99	.80	1.15	2.42	5.42	3.66	1.40	1.35	2.25	3.15	1.20	2.30	29.59	February.	May.
1842	1.90	3.12	2.57	3.29	2.29	3.04	2.63	5.31	6.62	4.73	8.31	42.65	January.	October.	
1843	3.05	2.74	2.97	1.51	1.60	3.65	8.24	2.95	2.46	4.57	3.54	2.43	35.01	April.	October.
1844	2.54	.22	.95	1.45	3.75	.75	4.60	3.66	.19	3.43	1.14	1.70	24.88	September.	July.
Mean.	1.98	1.83	1.48	1.86	2.45	2.48	2.96	2.60	2.91	4.00	2.86	2.12	29.55		
Total.	17.88	16.46	18.36	16.75	22.05	22.28	26.66	28.40	26.21	36.02	25.74	19.08	265.94		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1830	20	30	20	6	30	9	30	1	4	7	26	20	21	9	1	18	24	19	2	25	9	29	25	22
1831	4	24	28	5	24	17	18	10	31	9	8	15	4	10	19	28	10	29	2	28	10	31	9	22
1833	21	31	18	24	23	2	29	9	7	30	23	9	23	18	21	29	4	13	8	29	8	19	31	13
1834	17	24	21	7	18	21	13	5	31	15	23	3	10	12	5	28	19	30	19	25	30	16	1	14
1835	14	7	22	8	20	3	11	19	25	2	11	22	23	1	13	31	5	29	14	9	4	29	26	16
1836	13	15	22	5	30	2	26	11	16	13	10	15	8	26	28	9	13	29	1	25	11	25	9	30
1842	19	23	8	17	4	11	21	8	18	9	30	10	19	31	17	1	1	23	24	20	7	29	3	23
1843	21	25	25	8	10	2	25	1	15	3 & 5	27	6	1	6	13	25	3	27	6	27	19	30	27	12
1844	16	29	20	24	12	21	23	1	25	21	16	11	30	4	16	21	20	27	9	31	12	27	7	20

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1830	47	-18	50	-23	68	-9	80	28	85	30	76	35	90	39	85	36	78	19	68	20	60	22	51	-3
1831	50	-19	56	-14	60	8	70	26	87	32	95	40	87	51	88	46	81	41	77	25	58	16	39	-13
1833	44	2	44	-25	72	-22	78	28	88	32	85	30	94	50	83	46	83	35	76	20	56	12	50	-12
1834	45	-9	56	-3	62	-4	78	26	85	24	83	23	98	48	98	39	84	44	76	20	57	8	44	-10
1835	50	-28	47	-12	57	-22	77	29	80	38	92	50	92	48	92	44	85	32	78	30	65	5	47	-36
1836	44	-25	51	-34	64	-4	65	18	86	23	91	40	96	40	90	30	90	28	62	14	60	10	56	-10
1842	54	-9	58	-9	63	0	79	14	86	30	91	30	94	48	86	42	85	30	69	26	57	-1	42	-9
1843	59	2	36	-10	38	-9	64	28	69	52	79	60	90	62	84	60	84	53	68	36	56	27	57	-20
1844	41	-10	48	0	54	10	78	19	84	40	92	50	90	54	90	56	86	36	68	29	58	18	56	-7
Highest.	59		58		72		80		88		95		98		98		90		78		65		56	
Lowest.		-28		-34		-22		14		23		23		32		30		19		14		-1		-36
Range.		87		92		94		66		65		72		59		68		71		64		66		92

SUMMARY OF OBSERVATIONS AT UTICA ACADEMY,

UTICA, ONEIDA COUNTY, N. Y., DURING TWENTY-TWO YEARS.—(General results of 1846 only given.)

Latitude N. 43° 06'; Longitude W. 75° 18'. Elevation above tide 173 feet. In the valley of the Mohawk, sheltered from north winds by hills four or five miles distant.

OBSERVERS.

1826, Not stated. 1827 to 1836, inclusive, D. PRENTICE, Principal. 1837, Rev. THO'S TOWELL, Principal. 1838, M. M. BACKUS and T. TOWELL, Principals, and W. W. WILLIAMS, Teacher. 1839, '40, M. M. BACKUS, Principal. 1841, GEORGE R. PERKINS, Principal, and others.	1842, GEO. R. PERKINS and Messrs. SHELDON and AYLESWORTH. 1843, GEO. R. PERKINS, Principal, and Mr. SHELDON. 1844, GEO. SPENCER, Principal, and Mr. SHELDON of the Utica Female Academy. 1845, '46, '47, Messrs. SHELDON and AYLESWORTH. 1848, ——— WILLIAMS, Esq.
--	---

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	29,88	22,42	54	—12	66			8,5	,5	1	,5	12	8,5	12,5	18,5	4	2	,5	3,46
1827	23,03	16,01	46	—11	57			10			1,5	19,5		13,5	17,5	1	7	1	3,36
1828	34,99	22,45	57	—16	73			12,5	4	1,5	2	9,5	1,5	6	25	8	7	3	1,79
1829	17,39	25,04	47	—11	58			11,5	1,5		1	17		12,5	18,5	1	7	2	2,82
1830	26,34	13,82	50	—12	62			10,5	1		3,5	16		12	19	1	15	2	2,94
1831	23,07	14,65	45	—24	69			3,5	1,5	1,5	3,5	21		18	13		10		3,10
1832	20,22	19,69	52	—18	70			7	3,5		5	15,5		18	13				3,13
1833	30,20	25,41	56	—	96,5			4	11	1	4,5	10,5		22,5	8,5				2,17
1834	20,95	21,17	46	—	046			6,5	4		2	18,5		20,5	10,5				1,89
1835	11,52	35,17	49	—26	75			7	3,5	,5		20		15,5	15,5				3,31
1836	28,79	16,44	40	—12	52			2,5	6		,5	22		11	20	2	5	2	8,06
1837	17,72	22,14	78	—	684	,5	1	7			2,5	15,5	4,5	19,5	11,5		11		
1838	31,42	31,25	58	—14	72			8,5	5	1	2	13,5	1	17	14	2,5	4,5		
1839	28,41	14,44	51	—13	64	,5		10,5	8	1		7	4	13,5	17,5	2	10	1	4,12
1840	14,13	16,72	40	—20	60				7		1	12,5	10,5	13,5	17,5	1	3	1	1,75
1841	25,75	29,89	46	—	248				1,5	13		13,5	3	6	25				2,66
1842	22,49	28,64	48	—	553			,5	3	12,5		9	6	14,5	16,5	1	4		2,40
1843	27,86	28,19	48	—	048			5	,5	11,5		12,5	1,5	10	21	1	3		2,48
1844	19,12	10,84	39	—12	51			9,5		1	1	9,5	10	12	19	1	2	1	,98
1845	27,90	23,97	40	—	040	1	1	11		1		13,5	3,5	9	22	1	4		3,58
1848	24,58	30,08	58	—15	73	,5		9,5		4		16,5	,5	13	18	1	4		
Mean.	24,56	22,30				,12	,09	6,91	2,93	2,41	1,45	14,50	2,59	13,81	17,19				3,00
Total.						2,5	2	145	61,5	50,5	30,5	304,5	54,5	290	361				54,00

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gauge.
	First Half.	Second Half.																	
1826	25,02	28,27	57	—18	75			11,5		2,5		12	2	12,5	15,5	2	3	,5	2,10
1827	21,30	32,70	50	—7	57			11	1			16		12	16	2	2	4	2,94
1828	34,32	32,46	54	—2	52			10,5	2	2,5	4,5	9,5		8	21	8	6	4	2,70
1829	17,86	18,39	42	—6	48			8,5	2			17,5		8,5	19,5	1	16		3,00
1830	13,03	31,49	68	—17	85			5	4		7	12		20	8		8	2	,52
1831	16,93	23,06	47	—11	58			7,5		,5	1	19		23,5	4,5	1	2,5	,5	2,64
1832	25,03	20,45	44	—12	56			8	1,5	,5	4,5	14,5		17	12				5,96
1833	17,69	21,87	55	—9	64			6	1		3	18		21,5	6,5				2,68
1834	29,83	34,10	56	—0	56			5,5	8		7,5	7		19,5	8,5				1,21
1835	13,61	26,89	50	—12	62			2	4,5	1,5	3	17		15,5	12,5				1,79
1836	10,26	17,09	43	—27	70			6	2		,5	20,5		14,5	14,5		8	2	2,65
1837	23,21	24,62	64	—12	76		3	11				13	1	19,5	8,5	2	9		
1838	17,31	10,98	42	—14	56		,5	9	,5	,5	2	13,5	2	14	14		8		
1839	18,18	24,91	48	—11	59			12	2,5	,5	2	9,5	1,5	11	17	2	6		1,27
1840	23,61	34,84	60	—8	68			8	8,5	,5	5	7		12,5	16,5	3	1		6,20
1841	21,66	27,66	38	—10	28				3,5	7,5		15,5	1,5	13,5	14,5				,75
1842	34,26	26,12	55	—4	51	,5		2,5	,5	9,5	,5	10	4,5	11	17	2	2		4,80
1843	16,21	17,31	30	—9	39	,5		8		1		15,5	3	7,5	20,5		6		1,96
1844	21,39	26,73	39	—7	46			12	,5	,5	14	2		11	18		3		1,70
1845	12,45	36,21	46	—11	57	4		5		4,5		13	1,5	11	17	3	1		2,75
1848	20,11	27,48	44	—6	50	2		5,5	,5			20,5	,5	19	10	1	3		
Mean.	20,63	25,88				,33	,17	6,74	1,97	1,90	1,74	13,93	1,26	14,40	13,40				2,64
Total.						7	3,5	141,5	41,5	40	36,5	292,5	26,5	302,5	291,5				47,62

MARCH.

1826	36,52	32,12	69	—15	54			17,5	1		1,5	11		13,5	17,5	13	1,5	3	3,37
1827	31,68	36,43	70	—4	66			14,5				16,5		17	14	3	6	3	1,92
1828	31,85	41,74	79	—8	71			13,5	1	5	2	9,5		16,5	14,5	7	4	3	,89
1829	31,53	28,76	60	—8	52			5,5	5	,5	,5	19,5		16	15	3	6	1	2,00
1830	29,28	38,62	70	—3	67			14			4	13		15,5	15,5	7	9		5,61
1831	37,00	39,27	66	—16	50			8	5		5	13		15,5	15,5	7	3	2	1,90
1832	32,54	31,15	66	—3	69			6,5	5,5	,5	1,5	14,5	2,5	20,5	10,5				1,45
1833	21,00	36,60	63	—9	72			6,5	6		3	15,5		23	8				1,39
1834	34,08	32,81	65	—3	62			2	5		5	19		20	11				2,68
1835	27,64	39,52	54	—8	62			5,5	3		5,5	17		24	7				1,93
1836	17,80	27,46	55	—9	64			3,5	5,5	,5	4,5	17		23,5	7,5	1	5	2	,51
1837	22,46	33,33	60	—16	76	1	2	13	2	1	,5	9,5	2	16	15	4	2		
1838	30,87	37,13	60	—6	66	,5		10,5	1		1	15,5	2,5	21	10	1	2,5		
1839	26,80	35,89	58	—4	54	,5		7,5	1	1,5	,5	14	6	17	14	5	6	1	1,25
1840	33,28	34,60	58	—0	58			5	5	2	3,5	7	8,5	16,5	14,5	3	3		5,33
1841	27,82	34,25	50	—2	48			4,5	,5	1,5	,5	24		17,5	13,5				3,25
1842	37,47	39,29	68	—14	54			7	1	3	1	16	3	12	19	4	2	1	4,81
1843	21,67	25,83	46	—5	51	,5	,5	8		1		10	11	13	18		9		5,62
1844	35,60	31,42	48	—12	36			10,5			,5	16	4	12,5	18,5	2	2		3,55
1845	39,81	37,94	69	—11	58			6,5		6		12	6,5	12,5	18,5	2	3		3,30
1848	24,92	37,33	70	—2	72	1		9	1	,5		19,5		12,5	18,5	2	3		
Mean.	30,08	34,83				,17	,12	8,51	2,31	1,09	1,90	14,71	2,19	16,93	14,07				2,82
Total.						3,5	2,5	178,5	48,5	23	40	309	46	355,5	295,5				50,76

APRIL.																				
YEARS	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1826	37,76	45,10	75	20	55				12,5				17,5		15,5	14,5	9		3	1,30
1827	52,26	46,09	70	34	36				10	2	,5	1	16,5		18	12	10	1	1	5,18
1828	39,33	46,53	62	28	34				8	1	,5	1	19,5		15	15	9	2	2	1,41
1829	38,01	48,27	77	28	49				8,5	2,5	2,5	2	14,5		11	19	13	2	2	4,57
1830	45,99	56,64	90	21	69				11	3		4,5	10,5	1	21	9	11			2,18
1831	45,47	50,50	74	22	52				5,5	5		4,5	15		18	12	11	1	1	5,33
1832	37,24	45,67	76	11	65				9,5	,5		2	15,5	2,5	19	11				1,65
1833	46,01	50,80	89	21	68				8,5	6	,5	2,5	12,5		25	5				,73
1834	47,46	43,62	76	19	57				13		,5	4	12,5		18,5	11,5				3,83
1835	44,63	40,15	70	15	55				7,5	3,5	3	2	14		17,5	12,5				3,67
1836	33,66	41,97	68	9	59				6	5,5	2	,5	16		22	8	5	4		2,60
1837	37,93	41,04	72	20	52	,5	3				2	2	22,5		13,5	16,5	3,5	2,5		
1838	35,66	39,51	60	18	42		,5	7,5	2			1	17	2	11	19	4	2	,5	
1839	49,37	48,19	73	24	49	3		6	1	1	3	9,5	6,5		17,5	12,5	5	1		1,49
1840	43,66	53,79	82	20	62					3	9	1,5	15	1,5	22,5	7,5	7	1		6,60
1841	36,51	47,55	67	25	42			3,5	,5	8	1,5	13,5	3		13,5	16,5				4,98
1842	43,42	50,91	72	20	59			8		4,5	1,5	15	1		16,5	13,5	4			6,69
1843	36,68	49,20	69	12	57			10		3		16	1		14,5	15,5	3	3		2,74
1844	50,48	54,31	79	12	67			7,5		11	,5	11			20	10	5			,97
1845	37,63	52,71	72	23	49			11		,5	3,5	14	1		15	15	3			3,54
1848	43,28	44,77	69	26	43		1,5	5,5		1		22			20	10	2			
Mean.	42,02	47,49					,16	,24	7,57	1,69	2,36	2,02	15,13	,83	17,33	12,67				3,30
Total.							3,5	5	159	35,5	49,5	38,5	329,5	19,5	364,5	265,5				59,46
MAY.																				
1826	64,86	66,70	90	46	44				8		7		16		21	10	8			,93
1827	54,50	63,81	88	39	49				5,5				25,5		19,5	11,5	11	1		3,97
1828	60,54	60,43	82	42	40				11,5	3,5	1,5	1,5	13		11	20	15			,75
1829	53,77	66,93	86	36	50				4	4		10	13		20,5	10,5	10			,35
1830	55,10	51,16	83	26	57				5	5	,5	2,5	18		19	12	14		1	4,97
1831	52,80	62,43	87	28	59				2,5	4,5	1,5	4	18,5		23,5	7,5	6	1		2,92
1832	53,27	49,91	80	27	53				4,5	3,5	3	2,5	15,5	2	21,5	9,5				2,20
1833	59,70	58,38	85	38	47				11,5	5	,5	3,5	10,5		22	9				4,30
1834	45,28	62,17	85	20	65				8,5	2		4	16,5		23	8				3,23
1835	49,65	58,62	81	20	61				4,5	6,5	,5	4	15,5		26,5	4,5				2,18
1836	51,99	57,54	80	27	53				8,5	4	1,5	6	10	1	21	10	9			4,33
1837	52,66	55,68	88	20	68	,5	,5	11,5				,5	16	2	13,5	17,5	11	,5		
1838	50,99	56,93	82	32	50		4,5	4	2,5	,5	,5	5,5	14		10,5	20,5	5,5			
1839	53,64	56,37	80	33	47		2,5	5		,5	,5	2,5	19,5	,5	18	13	9	1		4,11
1840	52,13	66,04	86	36	50						2,5	13	13	2,5	23	8	5			3,18
1841	45,53	62,83	80	30	50		,5			1	4	4,5	17	4	23,5	7,5				2,37
1842	49,67	57,52	80	33	47			4,5		3,5	1,5	18,5	3		16,5	14,5	5			5,01
1843	56,04	55,35	82	32	50			6		5	,5	19,5			11	10	3			5,50
1844	57,03	59,59	80	31	49			5		2	4,5	16	3,5		14,5	16,5	11			4,67
1845	54,46	50,68	80	30	50	5,5	,5	,5		3,5	1	17,5	2,5		20,5	10,5	6			3,80
1848	53,13	63,10	82	36	46		,5	8	,5	1		20,5	,5		11,5	19,5	7			
Mean.	53,65	59,15					,29	,43	5,65	2,14	2,33	2,78	16,36	1,02	19,09	11,91				3,26
Total.							6	9	118,5	45	49	58,5	343,5	21,5	401	250				58,77

JUNE.																				
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow [Days.]	Rain gauge.	
	First Half.	Second Half.																		
1826	70,25	67,33	88	35	53				14,5		2,5	,5	12,5		12	18	18			7,46
1827	69,26	65,14	93	49	44				8,5	1,5		1	19		17,5	12,5	11			3,42
1828	68,25	77,50	97	50	47				10,5	,5	1	2	16		17,5	12,5	12			5,16
1829	62,49	62,17	86	50	36				2,5	7,5		5,5	14,5		21	9	4			3,40
1830	61,34	61,46	82	43	39				4,5	3,5		2,5	19,5		13	17	19			7,93
1831	70,00	63,71	89	42	47				1	5,5	8	3,5	12		23	7	7			3,23
1832	60,29	62,09	86	37	49				4,5	2	1,5	3	19		24	6				1,90
1833	53,37	58,38	81	36	45				1,5	5		2,5	20,5	,5	23,5	6,5				2,46
1834	59,07	60,89	82	37	45				6,5	6,5		5	12		20,5	9,5		1		5,99
1835	63,38	57,76	85	41	44				6		1,5	4,5	18		24	6				6,88
1836	61,94	60,89	78	39	39				14,5	2		,5	4	9	21	9	9			3,00
1837	68,88	63,64	92	44	48		1		7,5	,5	1,5	1	17,5	1	13	17	9			
1838	71,38	74,52	93	50	43		2,5		2,5	2		4	17,5	1,5	14	16	5,5			
1839	57,65	63,81	82	43	39				4	2,5		1,5	17,5	4,5	12	18	17			3,87
1840	56,45	62,47	90	36	54				1	4		,5	7,5	13	4	20	10	3		3,97
1841	68,42	70,95	88	44	44				3,5		5,5	3,5	15,5	2	22	8				4,04
1842	58,87	68,29	87	32	55				6	,5	7,5	3,5	11,5	1	16,5	13,5	6			5,52
1843	58,44	68,28	84	37	47				2		4,5	2	21,5		17	13	6	1		8,88
1844	60,99	69,38	85	40	45				3,5		5,5	1	19,5	,5	19	11	7			2,55
1845	67,79	62,59	89	40	49				2		1,5	2	24,5		22,5	7,5	4			4,83
1848	59,79	69,84	90	34	56				4			,5	25,5		16,5	13,5	7			
Mean.	63,25	65,29						,17	4,97	2,36	1,98	2,88	16,93	,71	18,55	11,45				4,69
Total.								3,5	104,5	49,5	41,5	60,5	355,5	15	389,5	140,5				84,49
JULY.																				
1826	73,94	70,72	93	55	38				6,5	2	3	3	16,5		22	9	8			3,36
1827	74,06	68,91	91	56	35				10	2,5		1,5	17		22,5	8,5	9			7,60
1828	68,38	72,94	89	59	30				6	1,5			23,5		11,5	19,5	25			7,54
1829	64,29	67,26	82	52	30				3	2,5	1,5	5,5	18,5		20	11	10			3,97
1830	65,15	75,37	90	50	40				4,5	3,5		8,5	13,5	1	20	11	15			5,44
1831	66,95	67,14	86	45	41				2,5	4,5	3	3,5	17,5		24	7	7			6,09
1832	64,38	62,72	89	48	41					3,5	,5	3,5	23,5		22	9				3,64
1833	64,36	61,67	87	44	43				3	1,5		3	23,5		24,5	6,5				6,03
1834	68,82	67,42	92	41	51				6		,5	11,5	11	2	26,5	4,5				3,20
1835	63,86	66,61	82	47	35				6,5	,5		8,5	15,5		25,5	5,5				4,89
1836	68,53	63,23	86	42	44				,5	6	2	11	11,5		26,5	4,5	7			1,72
1837	65,46	66,08	94	46	48				5,5	1,5	2	1,5	20	,5	18,5	12,5	6,5			
1838	77,90	72,09	92	54	38	,5	,5		4		1	5	18,5	1,5	19,5	11,5	5			
1839	68,05	72,52	90	57	33	,5			1,5	6,5		2,5	14	6	16	15	11			3,55
1840	71,88	72,84	95	47	48				2	5		2,5	21	,5	26	5	4			3,34
1841	67,51	71,06	88	50	38					1,5	5,5	3	19	2	24,5	6,5				2,85
1842	69,33	70,98	88	47	41				,5		4	3	23,5		26	5	6			7,35
1843	68,68	67,46	86	50	36	1			,5		3	2,5	24		25,5	5,5	5			4,75
1844	68,54	69,98	87	45	42				3,5		3,5	2	20,5	1,5	21,5	9,5	4	1		2,86
1845	69,16	67,16	88	49	39				1,5		,5	3	25	1	22,5	8,5	2			2,88
1848	64,37	67,85	90	48	42				10,5		1	,5	19		21	10	13			
Mean.	68,27	68,66					,10	,02	3,02	2,45	1,74	4,05	18,86	,76	22,19	8,81				4,50
Total.							2	,5	63,5	51,5	36,5	85	396	16	466	185				81,06

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	70,70	70,34	90	50	40			10	5,5	2,5	2	11		23*	2,5	6			,72
1827	70,48	65,28	87	50	37			16				14	1	22,5	8,5	4			4,99
1828	72,39	73,39	92	62	30			6,5	1,5	1	4	18		24	7	10			4,99
1829	66,68	62,38	84	45	39			5,5	2,5	1,5		21,5		23	8	3			2,11
1830	65,66	63,85	88	44	44			5	,5		1	24,5		27	4	10			2,10
1831	64,55	67,00	80	44	36			4,5	2,5	1,5	7	15,5		26	5	5			4,38
1832	66,92	61,52	86	41	45			1	10,5	3	8,5	8		26	5				11,44
1833	62,13	61,53	80	46	34			1	6	1	8	14	1	24,5	6,5				3,96
1834	67,84	57,84	87	41	46				7	,5	2,5	20,5	,5	28,5	2,5				3,97
1835	63,49	61,58	86	48	38			5,5		3	9,5	13		23	8				6,50
1836	60,30	56,92	80	37	43			4,5	3	1,5		20,5	1,5	26,5	4,5	7			,91
1837	67,39	61,62	96	40	56			6	1	1	,5	20,5	2	13,5	17,5	3,5			
1838	71,77	67,07	88	54	34	1		5,5	1,5		3,5	16,5	3	17	14	5,5			
1839	64,87	68,00	88	42	46		,5	7	2,5	1	,5	17,5	2	15,5	15,5	6			1,58
1840	68,41	72,16	93	50	43			2		9		20		23,5	7,5	6			4,17
1841	70,33	70,25	85	50	35			1,5	2	7	3	17,5		22	9				4,60
1842	67,73	70,58	83	49	34			8	,5	7,5	2	13		21	10	3			3,67
1843	68,64	69,31	82	50	32			3		2	1	24	1	18,5	12,5	5			3,12
1844	68,25	65,14	81	48	33			6		2,5		21,5	1	22,5	8,5	2			3,11
1845	70,24	70,78	84	49	35			6,5		5,5		19		25	6	3			1,47
1848	68,57	64,95	87	50	37			10		3	1	17		19,5	11,5	7			
Mean.	67,49	65,78						,02	5,38	2,31	2,58	2,58	17,50	,63	22,12	8,26			3,77
Total								,5	113	48,5	54	54	367	13	472	173,5			67,79

SEPTEMBER.																			
1826	67,84	58,16	85	42	43			10	1,5	1	3,5	14		13,5†	9,5	13			2,63
1827	66,19	53,55	81	42	39			10			1	19		13	17	14			4,05
1828	63,19	61,49	84	50	34			3,5	9,5		3	14		14	16	12			4,29
1829	53,10	51,00	82	34	48			3			2	25		17	13	12			4,96
1830	59,49	52,95	70	31	39			6		1	2,5	20,5		18,5	11,5	9			2,66
1831	61,02	54,12	79	40	39			4	2,5	1,5	3,5	17,5	1	23	7	7			1,48
1832	55,71	59,80	78	39	39			1,5	7,5	1	5	15		24	6				4,55
1833	55,70	57,11	74	35	39			3,5	2		2,5	22		26	4				3,76
1834	58,72	55,08	86	30	56			1,5	6	6,5	2	14		24	6				2,85
1835	54,53	49,46	82	30	52				8,5		8	13,5		24	6				1,38
1836	56,82	57,39	81	33	48			5	8	2,5	2,5	12		20,5	9,5	6	1		3,57
1837	60,04	56,04	80	32	48			7,5	1,5	1,5	,5	18,5	,5	12,5	17,5	5			
1838	61,41	59,13	81	38	43		2	6,5		1	3	15,5	2	19,5	10,5	4,5			
1839	61,80	56,54	84	38	46	1,5		5	3,5	,5	2,5	16,5	,5	12	18	8	1		1,68
1840	63,06	56,14	89	40	49				1,5	2	3	19,5	4	19	11	4			4,08
1841	65,68	61,78	79	44	35			3,5		4	3	19,5		19,5	10,5				3,86
1842	63,91	51,58	80	32	48			4		1,5	1	20,5	3	17,5	12,5	5			6,91
1843	63,27	60,44	82	30	52			7,5		,5	3,5	17,5	1	20	10	3			2,17
1844	65,82	54,88	82	30	52			3,5		5,5	1,5	19,5		24	6	3	1		2,40
1845	60,06	56,91	78	38	40			5		4	2,5	18,5		17,5	12,5	2			4,07
1848	57,77	48,13	78	34	44	1	,5	6		1	,5	21		12,5	17,5	13			
Mean.	60,72	55,79					,12	,12	4,59	2,48	1,62	2,69	7,81	,57	18,76	11,02			3,41
Total							2,5	2,5	96,5	52	35	56,5	373	12	391,5	231,5			61,35

* 5,5 days variable.

† 7 days variable.

OCTOBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	55,57	46,03	79	27	52			9,5	,5			21		17,5*	12,5	12	1		1,93
1827	54,04	44,52	69	28	41			11	3,5	2	2,5	12		10	21	17			4,50
1828	53,84	44,79	72	27	45			8,5	2,5	4,5	,5	15		16	15	9	1	1	2,59
1829	47,90	47,72	74	23	51			9,5	4			17,5		20	11	9	2		2,88
1830	50,20	46,00	69	27	42			10	6,5		4	10,5		23,5	7,5	7			2,42
1831	51,25	49,91	74	27	47			4	8,5	1,5	2,5	14,5		19	12	8,5			1,33
1832	50,04	44,93	72	22	50			5,5	1,5	2,5	3	18,5		19	12				2,52
1833	49,64	43,13	74	26	48			6	6	1,5	4,5	13		17,5	13,5				4,66
1834	49,57	41,29	74	20	54			5,5	2,5	3,5	2,5	17		17	14				2,09
1835	47,12	56,75	77	30	47			6	9,5	5,5	2,5	7,5		20	11				2,32
1836	43,09	35,59	62	17	45			6	3		1	21		14,5	16,5	3			1,27
1837	42,15	45,53	66	0	66		,5	6,5	,5	2,5	2	16,5	2,5	5	26	7,5			
1838	51,34	41,29	74	23	51		1,5	4,5	1	3	7,5	10,5	3	14	17	9			
1839	53,76	50,51	78	22	56	2,5	1	3,5	3,5	7	,5	8	5	15	16	1			2,15
1840	53,29	43,73	67	29	38			4	6,5	1,5		19		15	16	3	4		2,55
1841	47,00	41,27	68	23	45			3		2	4,5	19,5	2	14,5	16,5				2,21
1842	50,11	44,62	64	30	34			4		7,5	1	16	2,5	19	12	4			3,00
1843	49,44	41,10	65	30	35			5,5		2		18	5,5	14	17	6	1	1	3,34
1844	48,25	44,09	67	30	37	,5	,5	12				14	4	11,5	19,5	5	2		4,70
1845	57,21	44,38	70	22	48			12		2	1	16		18	13	6			3,48
1848	47,57	46,81	64	28	36	,5	,5	10,5		2		17,5		13	18	17			
Mean.	50,11	44,95				,18	,20	7,00	2,84	2,40	1,83	15,37	1,18	15,85	15,09				2,77
Total.						3,5	4	147	59,5	50,5	39,5	322,5	24,5	333	317				49,94
NOVEMBER.																			
1826	40,33	35,22	65	21	44			8		2	5	15		11,5†	15,5	9	6		2,48
1827	35,70	27,96	55	2	53			5	2		3	15,5	4,5	6	24	7	8	3	2,99
1828	44,37	34,82	66	16	50			11,5	,5		2	16		4,5	25,5	14	5	4	4,15
1829	36,48	33,43	53	12	41			10	4	2,5		13,5		4,5	25,5	9	4	4	2,73
1830	47,93	41,06	62	29	33			12,5	6,5		5	6		18	12	7	1		6,58
1831	40,14	38,18	54	18	36			6	1,5	,5	2	20		12,5	17,5	2,5	9	1	1,57
1832	39,51	36,37	58	11	47			7	5	1	2,5	14,5		14	16				6,31
1833	39,99	32,19	65	15	50			3,5	5		6	15,5		16	14				3,04
1834	38,30	33,05	57	11	46			3,5	6,5	1	4,5	14,5		15,5	14,5				1,69
1835	43,59	30,27	68	9	59			4,5	9		1	15,5		16,5	13,5				2,60
1836	36,67	30,77	57	12	45			3,5	2,5	1,5	2,5	20		12,5	17,5	5	5	1	1,97
1837	36,10	38,08	68	18	50	,5	,5	9	1,5	3	,5	14	1	13	17	6,5	1,5		
1838	41,10	26,58	58	9	49		,5	7,5	3,5			14	4,5	15,5	14,5	4	4,5	,5	
1839	36,81	26,68	48	10	38			2	6,5	6,5		7,5	7,5	11	19	5	2	1	6,49
1840	43,34	33,56	54	26	28			2,5		5,5		20,5	1,5	14	16	1	2		1,55
1841	45,11	30,62	71	18	53				,5	6	1,5	14	8	8,5	21,5				5,03
1842	39,67	28,78	51	10	41			6	2	2,5	1	16	2,5	10,5	19,5	2	7		3,19
1843	30,48	35,64	49	20	29			6,5		1	2	16	4,5	3,5	26,5	1	7	1	3,45
1844	40,88	29,82	52	14	38			12			1	13	4	11	19	2	3		1,76
1845	43,08	36,93	64	15	49			7			4,5	18,5		6	24	4	2	1	4,48
1848	33,13	34,23	52	10	42	,5		9		,5	,5	19,5		10	20	8	5		
Mean.	39,65	33,06				,05	,05	6,49	2,69	1,59	2,12	15,20	1,81	11,21	18,69				3,45
Total.						1	1	136,5	56,5	33,5	44,5	319	38	234,5	392,5				62,06

* 1 day variable.

† 3 days variable.

OBSERVATIONS AT UTICA ACADEMY.

DECEMBER.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]							WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1826	32,54	21,98	51	—	8 59			7,5	4,5		,5	18,5		7*	22	1	11		6,37
1827	33,60	24,29	50	—	9 59		,5	10	6,5		4,5	9,5		4	27	5	10	4	3,00
1828	39,84	28,76	57	11	46			3	3,5	4,5	6,5	13,5		11,5	19,5	5	3	1	,31
1829	33,93	32,25	51	7	44			11,5			8	11,5		14	17	4	3	2	3,37
1830	33,24	29,20	54	—	4 58			8,5	,5		2,5	19,5		16,5	14,5	6	6		2,84
1831	14,48	16,22	38	—	7 45			6,5	1		,5	23		19,5	11,5		11		3,88
1832	31,69	24,96	46	4	42			8	8	,5	3,5	11		17	14				5,15
1833	28,44	27,61	46	—	1 47			9	4		6	12		14	17				2,61
1834	28,98	19,34	49	—	8 57			8,5	5		4	13,5		11,5	19,5				1,89
1835	16,37	19,96	43	—	16 59			13,5	3		1,5	10	3	16	15				1,16
1836	28,58	17,97	50	—	11 61			7,5	4		1,5	15,5	2,5	16	15	2	5	2	2,51
1837	28,30	23,70	50	—	10 60		,5	8,5	,5	1,5	1,5	16,5	2	11,5	19,5	1	4,5		
1838	25,23	17,96	40	0	40		1,5	4	4,5		2,5	15	3,5	14	17	1	8		
1839	33,90	21,13	42	—	3 45			5,5	2,5	2		18,5	2,5	9,5	21,5	1	11		3,88
1840	28,53	20,64	48	2	46			5,5	1,5	3		16	5	8,5	22,5	1	6		3,09
1841	36,04	21,73	45	—	10 55	1		5	3	2,5	,5	16,5	2,5	4,5	26,5		8		6,25
1842	26,64	22,23	38	8	30	2,5		8,5		1	,5	16	2,5	4,5	26,5		5		2,97
1843	25,67	31,83	38	5	33			15,5		1,5		9,5	4,5	1,5	29,5		5		3,51
1844	29,74	24,48	50	5	45			11		1	1	14,5	3,5	6	25		6		2,64
1845	17,91	25,21	40	—	9 49			11,5				19,5		7,5	23,5		4		2,10
1848	35,39	25,42	50	4	46			13,5	,5	,5		16,5		12,5	18,5	8	9	1	
Mean.	29,00	23,66				,16	,12	8,67	2,50	,86	2,14	15,05	1,50	10,81	20,19				3,19
Total.						3,5	2,5	182	52,5	18	45	316	31,5	227	424				57,53

* 2 days variable.

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.							Rain gage, total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.		
	First Half.	Seco'd Half.																						
January, --	24,56	22,30	75	—26	101	,12	,09	6,91	2,93	2,41	1,45	14,50	2,59	3 71° 09' W	29	8,78	13,81	7,19			8,00	54,00		
February, -	20,63	25,83	63	—27	95	,33	,17	6,74	1,97	1,90	1,74	13,93	1,26	3 67° 43' W	24	8,43	14,40	13,40			2,64	47,62		
March, ---	30,08	34,33	79	—16	95	,17	,12	8,51	2,31	1,09	1,90	14,71	2,19	3 73° 54' W	25	7,43	16,93	14,07			2,82	50,76		
April, ----	42,02	47,49	90	9	81	,16	,24	7,57	1,69	2,36	2,02	15,13	,82	3 63° 32' W	30	9,19	17,83	12,67			3,30	54,46		
May, -----	53,65	59,15	90	20	70	,29	,43	5,65	2,14	2,33	2,78	16,36	1,02	3 69° 32' W	48	12,87	19,09	11,91			3,26	58,77		
June, -----	63,25	65,29	97	32	68	,17	,47	4,97	2,36	1,98	2,88	16,93	,71	3 72° 00' W	46	13,93	18,55	11,45			4,69	84,49		
July, -----	68,27	68,66	95	41	54	,10	,02	3,02	2,45	1,74	4,05	18,86	,76	3 71° 59' W	61	18,41	22,19	8,81			4,50	81,06		
August, ---	67,49	65,78	96	37	59	,02	,02	5,38	2,31	2,58	2,58	17,59	,63	3 67° 18' W	48	14,46	22,12	8,26			8,77	67,79		
September, -	60,72	55,79	89	30	59	,12	,12	4,59	2,45	1,62	2,69	7,81	,57	3 45° 00' W	19	5,88	18,76	11,02			3,41	61,35		
October, ---	50,11	44,95	78	0	78	,12	,20	7,00	2,84	2,40	1,83	15,36	1,18	3 61° 25' W	20	9,54	15,85	15,09			2,77	49,94		
November, -	39,65	33,06	71	2	69	,05	,05	6,49	2,69	1,59	2,12	15,20	1,81	3 69° 10' W	34	10,21	11,21	18,69			8,45	62,16		
December, -	29,00	28,66	57	—16	78	,16	,12	8,67	2,50	,86	2,14	15,05	1,50	3 63° 29' W	21	6,34	10,81	20,19			8,19	57,53		
Mean, ----	45,20	45,57				,14	,15	6,30	2,89	1,90	2,35	15,12	1,25	3 66° 39' W	39	10,87	16,75	12,73			3,40	60, 3		

Highest degree, June 27, 1829, -
 Lowest degree, February 5, 1836,
 Extreme range in 22 years, -
 Greatest monthly range in January,
 Least monthly range in July.

Mean monthly range, 75°.
 Driest month, February.
 Wettest month, June.
 Total fall of rain and snow in 19 years, 60 feet 9,93 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1826	26.15	26.64	34.82	41.88	65.78	68.90	72.83	70.52	63.00	50.80	37.77	27.26	48.79	93	-18	111	75	February 1,	July 11,	October 17,	
1827	19.52	27.00	34.05	49.17	69.15	67.20	71.18	67.88	59.87	49.28	31.89	28.94	47.11	93	-11	104	66	January 21,	June 8,	October 14,	October 14.
1828	28.52	33.89	36.79	42.98	60.48	73.37	70.66	72.89	62.34	49.32	39.59	34.30	50.40	97	-16	113	71	January 24,	June 27,	September 25,	October 1.
1829	21.18	12.30	14.49	14.60	35.62	38.65	77.64	53.56	22.48	25.44	49.31	22.46	44.50	86	-11	97	58	January 3,	May 17,	September 15,	October 1.
1830	20.68	22.26	33.95	51.81	53.13	61.40	70.26	64.75	56.22	48.25	37.16	15.35	45.24	89	-24	113	69	February 7,	July 21,	September 28,	November 26.
1831	18.86	20.00	38.19	47.98	57.61	66.55	67.04	65.17	57.57	50.58	37.94	28.32	43.99	89	-17	107	69	January 21,	August 21,	October 15,	November 14.
1832	19.95	22.74	31.84	41.45	51.69	61.19	63.55	64.11	57.75	47.48	37.94	28.32	43.99	89	-17	107	69	January 21,	August 21,	October 15,	November 14.
1833	27.80	19.73	28.80	42.40	59.40	65.87	63.01	61.89	56.40	46.38	36.09	28.02	44.28	89	-9	98	72	March 2,	July 28,	September 30,	October 14.
1834	21.66	31.96	31.44	45.51	58.72	59.98	68.15	62.84	56.00	45.40	35.67	24.16	44.90	92	-5	100	65	December 14,	July 5,	September 30,	October 14.
1835	23.34	20.25	33.58	42.39	54.13	60.57	65.23	62.58	51.99	51.93	26.93	18.26	42.59	86	-26	112	75	December 16,	August 13,	August 4,	November 13.
1836	22.61	13.67	22.63	37.81	54.75	61.41	65.78	58.61	57.10	39.34	33.72	23.27	40.89	86	-27	118	70	February 5,	July 9,	September 6,	September 28.
1837	21.43	26.54	31.35	48.78	55.00	60.78	70.29	66.48	59.17	52.14	31.75	27.51	45.92	90	-18	103	64	December 22,	August 2,	September 24,	November 7.
1838	31.33	14.15	34.00	37.58	58.96	72.95	74.99	69.12	60.27	46.32	33.84	21.60	45.84	93	-14	107	72	January 31,	July 10,	September 3,	October 29.
1839	21.43	26.54	31.35	48.78	55.00	60.78	70.29	66.48	59.17	52.14	31.75	27.51	45.92	90	-18	103	64	January 23,	July 20,	September 14,	November 6.
1840	15.42	29.22	33.94	48.72	59.08	59.47	72.36	70.29	59.60	48.51	38.42	24.58	46.63	95	-20	115	68	January 16,	July 17,	October 25,	October 25.
1841	27.82	24.66	31.03	42.08	54.18	69.68	69.28	70.29	63.73	44.13	37.86	28.88	46.96	88	-10	98	55	December 22,	July 24,	October 2,	November 29.
1842	25.56	30.19	38.88	47.16	58.59	63.58	70.15	69.15	57.74	47.38	34.22	24.48	46.79	88	-5	98	59	January 13,	July 15,	September 23,	November 10.
1843	28.02	16.76	23.75	42.94	55.69	63.36	68.07	63.97	61.85	45.27	33.06	28.75	44.71	86	-9	95	57	February 18,	July 1,	September 23,	October 17.
1844	14.98	24.06	33.51	52.39	58.81	65.18	69.26	66.69	55.35	46.17	35.35	27.71	45.75	87	-12	99	67	January 26,	July 10,	September 23,	September 29.
1845	25.94	24.33	38.88	45.17	52.57	65.19	63.16	70.51	58.49	50.79	39.51	21.56	46.76	89	-11	100	58	February 2,	July 13,	October 16,	November 24.
1846	24.20	21.21	33.97	48.65	58.05	65.21	68.60	69.57	61.19	47.11	42.12	25.23	47.09	89	-12	101	56	January 19,	July 10,	October 11,	October 18.
1847	23.88	22.48	26.88	39.98	55.94	61.57	70.46	66.44	64.42	44.32	40.85	30.87	45.68	84	0	84	68	January 28,	August 10,	October 15,	December 3.
1848	27.23	23.79	31.12	44.02	58.12	64.81	66.11	66.76	52.95	47.19	33.68	30.40	45.52	90	-15	105	78	January 10,	June 17,	September 27,	November 7.
Mean	23.27	23.35	32.28	44.71	56.45	64.22	68.55	66.74	58.43	47.38	36.23	26.79	45.68								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1826			124	15.5	21.5	16.5	177	10.5	S 59° 01' W	19	71.29	184*	154	101	24.5	-
1827		5	121.5	19	2.5	16	200	5.5	S 74 37 W	23	82.89	175.5	189.5	94	35	17
1828			105.5	31	22	29	177	1.5	S 48 20 W	26	95.25	155.5	210.5	134	28	15
1829			83	35.5	8.5	34.5	203.5		S 64 10 W	37	133.08	188	177	79	40	11
1830			96.5	35	5	47.5	183.5	2	S 59 27 W	31	112.93	224	141	116	39	5
1831			55.5	42	19.5	40.5	206.5	1	S 62 55 W	46	169.34	245.5	119.5	62	37	4.5
1832			63	52.5	14	44.5	185	7	S 67 23 W	39	143.99	242	124			
1833			64	58.5	4.5	49	187.5	1.5	S 56 01 W	39	142.11	260	105			
1834			61	58.5	12	54.5	176.5	2.5	S 51 46 W	44	159.73	245	120			
1835			56	63.5	16	50	176.5	3	S 50 13 W	40	147.16	248	117			
1836			68	51.5	12	34.5	195	5	S 59 42 W	38	137.25	229.5	156.5	56	33	9
1837	3	12	93	9	16	13	200	19	S 86 41 W	31	114.96	169	196	60	31	
1838	1	15	74	23.5	7	38	181	26.5	S 80 53 W	35	126.98	187	178	47.5	29.5	1
1839	8.5	4	69.5	40.5	21.5	15.5	159	46.5	S 80 35 W	28	103.26	168	197	72	38	3
1840			18	43	59	19.5	181.5	45	S 68 13 W	53	192.43	214	152	41	20	1
1841	1	5	24.5	14	66.5	25.5	205	28	S 70 36 W	76	277.72	189.5	175.5			
1842	3		59.5	7.5	64.5	16.5	185	29	S 69 20 W	44	162.83	185.5	179.5	42	24	1
1843	2	5	77.5	5	36	10.5	205	33	S 82 31 W	38	138.73	166	199	33	35	2
1844	5	5	96		32.5	13.5	189	34	S 82 16 W	35	127.39	185.5	180.5	42	20	1
1845	10.5	1.5	79		29	17.5	211.5	16	S 81 28 W	43	156.14	187	178	36	14	1
1848	5.5	3	101	2.5	14.5	3	235	1.5	S 86 41 W	37	133.51	181	185	86	24	1
Mean.	1.66	1.77	75.67	31.57	22.83	28.05	141.43	15.14	S 54° 46' W	25	89.04	201.40	162.57			
Total.	35	375	1590	663	479.5	589	4020	318				4229.5	3414.5			

* 27 days variable.

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1826	8.46	2.10	8.37	1.80	.93	7.46	3.36	.72	2.63	1.93	2.43	6.37	36.69	August.	June.
1827	3.36	2.94	1.92	5.18	3.97	3.42	7.60	4.99	4.05	4.60	2.99	3.00	47.87	March.	July.
1828	1.79	2.70	2.80	1.41	.75	5.16	7.54	4.99	4.23	2.59	4.15	.81	36.57	December.	July.
1829	2.82	3.00	2.00	4.57	.35	8.40	3.97	2.11	4.36	2.88	2.73	8.37	36.16	May.	September.
1830	2.94	.52	5.61	2.13	4.07	7.93	5.44	2.10	2.66	2.42	6.68	2.84	46.19	February.	June.
1831	8.10	2.64	1.90	5.33	2.92	8.23	6.09	4.38	1.43	1.38	1.57	8.88	37.85	October.	July.
1832	8.13	5.96	1.45	1.65	2.20	1.90	3.64	11.44	4.55	2.52	6.81	5.15	40.90	March.	August.
1833	2.17	2.63	1.39	.73	4.30	2.46	6.08	3.96	3.76	4.66	8.04	2.61	37.79	April.	July.
1834	1.89	1.21	2.68	3.83	8.23	5.99	8.20	3.97	2.85	2.09	1.69	1.89	33.52	February.	June.
1835	3.31	1.79	1.93	3.67	2.18	6.88	4.89	6.50	1.38	2.32	2.60	1.16	38.61	December.	June.
1836	8.06	2.65	.51	2.60	4.33	3.00	1.72	.91	8.57	1.27	1.97	2.51	33.10	March.	January.
1839	4.12	1.27	1.25	1.49	4.11	8.57	8.55	1.58	1.68	2.15	6.49	3.88	35.44	March.	November.
1840	1.75	6.20	5.33	6.60	3.18	3.97	8.34	4.17	4.08	2.55	1.55	3.09	45.81	November.	April.
1841	2.66	.75	8.25	4.98	2.37	4.04	2.85	4.60	8.86	2.21	5.08	6.25	42.85	February.	December.
1842	2.40	4.80	4.81	6.69	5.01	5.52	7.35	8.67	6.91	3.00	3.19	2.97	56.32	January.	July.
1843	2.43	1.96	5.62	2.74	5.50	8.88	4.75	8.12	2.17	3.34	3.45	3.51	47.52	February.	June.
1844	3.98	1.70	3.55	.97	4.67	2.55	2.86	3.11	2.40	4.70	1.76	2.64	31.89	April.	October.
1845	3.53	2.75	3.90	8.54	3.80	4.33	2.83	1.47	4.07	3.48	4.58	2.10	40.33	August.	June.
1846	1.50	2.00	1.54	.90	4.72	2.36	4.33	2.53	6.06	2.53	3.10	3.25	36.37	April.	September.
Mean.	2.92	2.61	2.75	3.17	3.34	4.60	4.53	8.70	3.55	2.78	3.43	3.19	40.09		
Total.	55.50	49.62	52.30	60.36	63.49	87.45	85.99	70.32	67.41	52.82	65.26	60.78	761.83		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1826	11	31	25	1	10	17	18	12	15	29	10	6	12	26	20	31	4	16	6	27	18	19	17	28
1827	27	20	18	11	27	3	10	18	27	1	8	1	12	21	5	23	6	26	9	31	12	27	15	23
1828	5	22	7	12	29	4	30	6	29	7	27	9	26	9	30	19	1	10	10	15	4	17	3	18
1829	15	3	8	23	29	14	20	6	24	10	7	25	22	2	8	26	1	27	27	21	2	12	7	17
1830	16	30	20	6	30	9	30	3	4	22	15	8	21	9	23	26	24	17	2	25	16	3	3	22
1831	4	20	1	13	25	17	18	12	31	9	3	23	4	10	21	28	10	30	2	28	18	30	24	22
1832	18	26	2	24	25	18	26	5	14	24	15	19	1	13	13	25	17	13	19	29	1	15	31	†
1833	4	19	18	24	21	2	29	13	18	30	30	3	23	30	13	29	4	13	16	30	8	20	25	13
1834	17	23	22	12	18	22	6	23	14	23	14	8	30	12	25	3	29	18	14	10	15	1	14	
1835	26	7	22	3	28	4	12	17	28	8	13	20	25	1	13	4	5	29	18	25	5	29	26	16
1836	13	16	23	5	27	2	26	5	27	13	18	12	8	21	28	20	13	23	2	25	12	25	10	27
1837	31	2	21	13	23	3	29	4	31	1	2	19	14	3	2	24	10	24	24	8	21	25	2	22
1838	17	31	8	1	23	1	28	13	21	6	16	2	9	21	6	27	22	3	6	31	4	25	1	30
1839	11	23	28	6	27	3	23	21	12	3	8	13	20	7	22	28	7	12	2	21	14	21	8	21
1840	30	16	20	4	4	10	25	7	27	5	28	7	17	3	22	26	9	21	2	26	4	27	15	25
1841	7	4	27	12	26	17	25	11	28	3	30	18	24	3	16	24	3	30	31	25	1	29	10	22
1842	29	13	8	17	4	12	22	1	18	9	30	11	18	31	26	1	2	22	1	21	1	30	2	25
1843	8	26	26	18	28	3	26	3	14	2	27	1	1	5	17	21	21	27	21	24	24	27	17	18
1844	23	26	22	1	13	5	23	1	25	21	19	11	10	4	16	22	20	29	9	30	11	28	7	20
1845	28	31	21	2	31	16	24	5	12	8	8	17	13	1	10	30	2	22	9	21	1	28	18	12
1846	30	19	3	26	26	1	18	13	14	11	30	21	10	15	5	18	4	22	8	18	3	26	8	16
1848	1	10	20	11	31	15	27	7	25	13	17	12	21	16	15	19	4	26	16	8	4	10	14	23

* 3 and 24.

† 22 and 23.

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1826	54	-12	57	-18	69	15	75	20	96	46	88	35	93	55	90	50	85	42	79	27	65	21	51	-8
1827	46	-11	50	-7	70	4	70	34	88	39	93	49	91	56	87	50	81	42	69	28	55	2	50	-9
1828	57	-16	54	-2	79	8	62	28	82	42	97	50	89	59	92	62	84	50	72	27	66	16	57	11
1829	47	-11	42	-6	60	8	77	28	86	36	86	50	82	52	84	46	82	34	74	23	53	12	51	7
1830	52	-12	68	-17	70	3	90	21	83	26	83	43	90	50	88	44	70	31	69	27	62	29	54	-4
1831	45	-24	47	-11	66	16	74	22	87	28	89	42	86	45	80	44	79	40	74	27	30	10	38	-7
1832	52	-18	44	-12	66	-3	76	11	80	27	86	37	89	48	86	41	78	39	72	22	58	11	46	4
1833	56	-9	55	-9	63	-9	89	21	85	38	81	36	87	44	80	46	74	35	74	26	65	15	46	1
1834	46	0	56	0	65	3	76	19	85	20	82	37	92	41	87	41	86	30	74	20	57	11	49	-8
1835	49	-26	50	-12	54	-8	70	15	81	21	85	41	82	47	86	48	82	30	77	30	68	9	43	-16
1836	40	-12	43	-27	55	-9	68	9	80	27	78	39	86	42	80	37	81	33	62	17	57	12	50	11
1837	75	-6	64	-12	60	-16	72	20	88	20	92	44	94	46	96	40	80	32	66	0	68	18	50	-10
1838	58	-14	42	-14	60	-6	60	18	82	32	93	50	92	54	88	54	81	38	74	23	58	9	40	0
1839	51	-13	48	-11	58	4	73	24	80	33	82	43	90	57	88	42	84	38	78	22	48	10	42	-3
1840	40	-20	60	-8	58	0	82	20	86	36	90	36	95	47	93	50	89	40	67	29	54	26	48	2
1841	46	-2	38	10	50	2	67	25	80	30	88	44	88	50	85	50	79	44	68	23	71	18	45	-10
1842	48	-5	55	4	68	14	79	20	80	33	87	32	88	47	83	49	80	32	64	30	51	10	38	8
1843	48	2	30	-9	46	-5	69	12	82	32	84	37	86	50	82	50	82	30	65	30	49	20	38	5
1844	39	-12	39	-7	48	12	79	12	80	31	85	40	87	45	81	48	82	30	67	30	52	14	50	5
1845	40	0	46	-11	69	11	72	23	80	30	89	40	88	49	84	49	78	38	70	22	64	15	40	-9
1846	40	-12	39	-10	48	-8	74	25	79	33	81	44	89	48	84	52	85	40	70	22	60	20	42	6
1848	58	-15	44	-6	70	-2	69	26	82	36	90	34	90	48	87	50	78	34	64	28	52	10	50	4
Highest.	75		68		79		90		90		97		95		96		89		78		71		57	
Lowest.		-26		-27		-16	9			20		32		41		37		30		0		2		-16
Range.		101		95		95	81		70		65		54		59		59		78		69		73	

SUMMARY OF OBSERVATIONS AT WASHINGTON ACADEMY,

SALEM, WASHINGTON COUNTY, N. Y., DURING TEN YEARS.—(Aspect of sky eleven years.)

Latitude N. 43° 15'; Longitude W. 73° 30'.

OBSERVERS.

1828, '29, (ex. rain gage,) WILLIAM WILLIAMS, Principal.

1830, (ex. rain gage and wind,) WILLIAM WILLIAMS, Principal.

1838, (ex. temperature and rain gage,) HENRY BARNES, Principal.

1840, '41, WILLIAM BRAND, Principal.

1843, JAS. H. CARRUTH, H. B. PIERSON and CHAS. CLEVELAND.

1844, WM. McHARG, Principal.

1845, CALVIN BUTLER, Principal.

1846, '47, CALVIN BUTLER, Principal, and Miss C. J. LONDON.

JANUARY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	39,63	21,82	51	—14	65	1	5			5	15,5	2,5	2	11,5	19,5	4	1		
1829	17,59	24,55	46	—28	74	2	7			1	17	1	3	17	14	1	5		
1830	25,08	14,21	41	—20	61									10	21				
1838			38	0	38	6	1		2	10,5	5,5	4,5	1,5	16	15	3,5	1,5		
1840	8,92	16,38	45	—40	85	1,5	10,5		1,5	4,5	11	1,5	,5	17	14	2	6		,99
1841	24,27	28,31	55	—25	80	4	5,5	1	14,5			6		7,5	23,5	3	7,5	1	3,63
1843	30,22	27,75	57	—18	75	8,5	3			8,5	8,5	2,5		14,5	16,5	5	4	1	1,30
1844	15,23	8,82	52	—26	78	23	,5		,5	3,5	2		1,5	17,5	13,5	3	7	2	2,09
1845	28,41	23,70	45	—6	51	4	6			1	11	2,5	6,5	15	16	2,5	4	,5	1,80
1846	29,58	15,86	48	—20	68	9		1	1	2,5	9	2	6,5	12	19	2	4		1,94
1847	28,60	19,64	47	—10	57	7,5			1	4,5	7,5	5,5	5	12,5	18,5	3	4		1,51
Mean.	24,75	20,10				6,65	3,85	,20	2,05	4,10	8,70	2,80	2,65	13,68	17,32				1,89
Total.						66,5	38,5	2	20,5	41	87	28	26,5	150,5	190,5				13,26

FEBRUARY.

YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow [Days.]	Rain gauge.
	First Half.	Second Half.																	
1828	33,37	33,88	60	0	60	,5	2,5				20	,5	5,5	11,5	17,5	6	3		
1829	21,72	15,28	42	-22	64		,5		1		10,5	4,5	11,5	13	15				
1830	10,18	29,20	49	-24	73									12	16				
1838			42	8	34	3	6,5			7	9,5	1	1	18,5	9,5	,5	3		
1840	24,41	37,33	58	-22	80	1	6			7,5	7,5	2,5	4,5	22,5	6,5	6	2		1,37
1841	19,20	23,38	38	-20	58	1,5	13		,5	1,5	10,5	1		17,5	11,5	,5	3		,30
1843	16,16	16,74	44	-26	70	3,5	1		,5	5	7,5	9,5	1	17	11	2	11		1,75
1844	17,62	25,98	54	-20	74	12	6			4,5	5,5		1	18,5	15,5		5		1,45
1845	13,06	39,77	59	-10	69	2,5	7	1,5		1	12	,5	3,5	17,5	10,5	1	2,5		2,34
1846	22,78	17,73	47	-18	65	13,5				4,5	9		1	11,5	16,5		7		,95
1847	25,83	17,26	51	-26	77	10	1,5	,5	1	2	9	,5	3,5	8,5	19,5	1	8		1,36
Mean.	20,43	25,65				4,75	4,40	,20	,30	3,30	10,10	2,00	3,25	14,82	13,54				1,36
Total.						47,5	44	2	3	33	101	20	32,5	163	149				9,52

MARCH.

1828	32,09	40,26	69	10	59		2				17,5		11,5	18	13	4	4		
1829	29,54	30,74	60	3	57	1	5				10	3	12	15	16				
1830	30,01	37,54	56	11	45									16	15				
1838			66	26	64	6	9	,5	1	7,5	4	1,5	1,5	15,5	15,5		2	1,5	
1840	32,72	37,28	60	-12	72	3	12	1	2	8	3	1,5	,5	20	11	7	5		3,79
1841	27,95	33,01	51	0	51		18,5			5	3		4,5	26,5	4,5	1,5	3		2,15
1843	21,36	28,10	56	-10	66	11,5	1		,5	8	3	4	3	14,5	10,5	1	13	2	4,36
1844	35,17	31,82	57	-36	10,5	7				5	6,5	1	1	9,5	21,5	5	7	1	2,34
1845	37,09	40,05	73	16	57	4,5	2,5			3,5	11	4	5,5	19	12	1,5	2		2,56
1846	30,08	39,95	59	-7	66	10				14	3,5	3,5		15,5	15,5	4			2,56
1847	25,19	30,99	60	-3	63	10	2,5		,5	8	6,5	2,5	1	12	19	1	5	1	2,37
Mean.	30,12	34,97				5,65	5,95	,15	,40	5,90	6,80	2,10	4,05	16,50	14,50				2,88
Total.						56,5	59,5	1,5	4	59	68	21	40,5	181,5	159,5				20,13

APRIL.

1828	36,85	45,05	52	31	21		15,5				8,5		6	16	14	2	1	3	
1829	39,86	46,10	78	28	50		6,5				20,5	1	2	10	20				
1830	44,92	53,83	80	28	52									17	13				
1838			71	20	51	8	2	,5	1	7	5,5	4	2	16	14	1,5	1		
1840	45,05	52,91	82	26	56	2	4,5		1,5	11,5	5	,5	5	22,5	7,5	5	2		2,66
1841	37,48	45,27	78	18	60		10	1,5	3	5	7	1	2,5	17,5	12,5	2,5	1	3	3,78
1843	40,39	52,38	74	2	72	7	3,5	2,5	2,5	9	3,5	,5	1,5	12	18	10	4		2,38
1844	47,76	55,39	85	6	79	2,5	9,5			8	7	1,5	1,5	18,5	11,5	7			1,07
1845	40,68	51,19	78	26	52	8	2,5	,5	1		11,5	,5	6	17	13		,5		,81
1846	44,98	52,36	76	26	50	7	3			5,5	6	6	2,5	14,5	15,5	2	1		,45
1847	39,36	39,18	84	10	74	6,5				10,5	8,5		4,5	13,5	16,5	5	4	1	1,10
Mean.	41,73	49,36				4,10	5,70	,50	,90	5,65	8,30	1,50	3,35	15,86	14,14				1,75
Total.						41	57	5	9	56,5	83	15	33,5	174,5	155,5				12,25

MAY.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	58,36	57,75	75	33	42		3		1		22	2,5	2,5	18	13	5			
1829	51,03	64,43	87	30	57		6				24		1	24	7	4			
1830	55,26	46,13	80	31	49									15	16	3			
1838			97	44	53	7,5	,5	1	1	12,5	3	3,5	2	20	11	7,5			
1840	50,55	66,16	90	30	60	6,5	6	3,5	1	5	8		1	27	4	5			1,47
1841	42,51	61,89	85	30	55		9	,5	3	8,5	4,5	4	1,5	15,5	14,5	2,5	,5		2,87
1843	56,12	54,67	85	32	53	7,5	5	2	,5	4,5	3,5	4,5	3,5	19,5	11,5	7			1,52
1844	59,35	66,52	90	36	54	3,5	3,5		,5	10	6,5	4	3	18	13	9			3,38
1845	55,37	53,32	88	31	57	10	1,5			3	12	,5	4	21,5	9,5	1,5	,5		2,42
1846	61,76	60,66	89	30	59	6,5	2		2,5	15	4,5		,5	11,5	19,5	9			2,90
1847	57,60	60,51	79	33	46	6,5	2		2,5	6,5	12,5		1	15	16	9			2,26
Mean.	54,79	59,20				4,80	3,85	,70	1,20	6,50	10,05	1,90	2,00	18,63	12,37				2,33
Total.						48	38,5	7	12	65	100,5	19	20	205	135				16,32
JUNE.																			
1828	65,54	73,99	90	42	48	,5	2				26	,5	1	21	10	9			
1829	66,39	62,91	87	44	43		9,5				16,5		3	17	13	5			
1830	62,04	65,46	81	45	36									8,5	21,5				
1838			96	50	46	5,5	1			11	6	5	1,5	19	11	7			
1840	62,17	66,88	90	42	48	11,5	1		1	5,5	7,5	2,5	1	22	8	10			4,26
1841	68,22	71,65	95	45	50		6,5	,5	4	2,5	13	,5	3	23,5	6,5	4,5			1,58
1843	60,23	67,81	90	40	50	6	2			10,5	5	5,5	1	20,5	9,5	12			4,82
1844	61,25	72,83	93	45	48	6	1	1		4,5	10	6	1,5	21,5	8,5	10			3,65
1845	69,99	64,15	92	35	57	5	1	,5		1	15,5	,5	6,5	24	6	2			2,02
1846	63,88	63,93	90	44	46	5,5	1		1	5	17		,5	12,5	17,5	8			2,72
1847	63,28	67,15	95	40	55	3,5	,5		2,5	10	11	2	,5	12	18	12			5,60
Mean.	64,29	67,67				4,35	2,55	,20	,85	5,00	12,75	2,35	1,95	18,32	11,68				3,52
Total.						43,5	25,5	2	8,5	50	127,5	23,5	19,5	201,5	129,5				24,65
JULY.																			
1828	65,60	71,09	85	52	83		2				27	1,5	,5	20	11	15			
1829	66,58	68,02	83	50	33	2	1				26	1	1	15	16	5			
1830	66,24	74,13	88	50	38									12	19				
1838			100	61	39	7,5			,5	8	11	3	1	17,5	13,5	5			
1840	70,58	71,37	100	50	50	1,5	8,5	,5	2,5	9	5,5	2	1,5	23,5	7,5	9			4,55
1841	66,48	70,07	97	41	56	8	2,5		1	1,5	16		2	26	5	4			2,29
1843	66,44	67,64	92	45	47	8	4,5			2	13,5	2	1	19,5	11,5	10			4,34
1844	69,58	71,41	90	44	46	11	5			5	7,5	1	1,5	21,5	9,5	10			2,26
1845	71,41	70,85	92	53	39	6		,5		,5	19,5	2,5	2	22	9				4,48
1846	69,35	64,83	94	44	50	2	1,5			15,5	6	4,5	1,5	13	18	12			8,06
1847	73,29	71,01	95	41	54	5	2		1,5	10	12			14	17	9			4,80
Mean.	68,55	70,04				5,10	2,70	,10	,55	5,15	14,45	1,75	1,20	18,55	12,45				4,39
Total.						51	27	1	5,5	51,5	144,5	17,5	12	204	137				30,78

OBSERVATIONS AT WASHINGTON ACADEMY.

457

AUGUST.																			
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]					
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.
	First Half.	Second Half.																	
1828	70,41	68,63	88	50	38		2			,5	23,5	2	3	22	9	4			
1829	68,08	65,45	89	41	48		7				19,5	1,5	3	22	9	2			
1830	66,75	64,17	86	47	39									17	14	1			
1838			88	50	38	10			1	5	6	2	7	20,5	10,5	3,5			
1840	68,28	75,50	102	47	55	,5	1,5		1	6	14,5	5,5	2	20	11	6			3,26
1841	72,94	69,13	97	41	56	4,5	1		3,5	2	17,5		2,5	27	4	3			2,20
1843	69,07	72,05	88	48	40	6	1		,5	12,5	4,5	3,5	3	13,5	17,5	15			6,52
1844	71,34	72,38	91	47	44	3,5	3		,5	5	16,5	1,5	1	21	10	8			1,53
1845	71,19	70,39	90	52	38	8,5	1			2,5	12,5	3	3,5	19,5	11,5	,5			2,40
1846	73,66	65,96	93	44	49	1	4,5		1,5	5	7	6		22,5	8,5	7			,71
1847	71,50	64,13	93	44	49	4,5				6,5	14,5	3,5	2	17,5	13,5	8			5,04
Mean.	70,32	68,77				3,85	2,10		,80	4,50	13,60	2,85	3,30	20,22	10,78				3,09
Total.						38,5	21		8	45	136	28,5	33	222,5	118,5				21,66
SEPTEMBER.																			
1828	60,43	58,09	84	41	43		4,5		1		23	1	,5	11	19	7			
1829	54,97	52,33	84	41	43	1,5	3,5			3,5	15		6,5	17	13	6			
1830	60,26	53,61	79	30	49									14	16	7			
1838			78	40	38	3	6,5			4	10,5	1,5	4,5	19	11	4			
1840	62,19	56,44	84	28	56	7,5	1,5	,5		5	8	3,5	4	22,5	7,5	9			4,13
1841	68,10	64,72	89	33	56	6	9	,5	1,5	2	8	3		19	11	5,5			4,68
1843	63,22	59,72	90	29	61	8,5	4,5		1,5	7	5,5	3		19,5	10,5	6			1,70
1844	60,83	62,71	89	32	57	9	6,5		,5	4,5	6	1	2,5	23	7	4	1		2,98
1845	58,22	57,28	83	31	52	2				3,5	15	5,5	4	16	14				3,25
1846	69,61	59,00	94	35	59	8,5	,5		,5	13,5	3	3	1	18	12	6			2,95
1847	64,15	55,44	83	32	51	13				5,5	3,5	4,5	3,5	13,5	16,5	10			3,51
Mean.	62,19	57,93				5,90	3,65	,10	,50	4,85	9,75	2,60	2,65	17,50	12,50				3,31
Total.						59	36,5	1	5	48,5	97,5	26	26,5	192,5	137,5				23,20
OCTOBER.																			
1828	50,87	39,75	67	16	51	1	6				19		5	18	13		1		
1829	48,04	43,21	70	24	46	8	1			1	17		4	20	11	5			
1830	47,27	44,24	69	26	43									18	13	3			
1838			62	30	32	8	1		1	2,5	10	3,5	5	11,5	19,5	6,5	1		
1840	52,28	44,45	78	16	62	8,5	4,5		2,5	9	4,5	1	1	16,5	14,5	10	2		4,29
1841	46,09	39,28	74	20	54	5,5	5			8		9,5	3	16,5	14,5	1			,33
1843	49,97	39,65	70	13	57	13	1		2	5,5	4,5	3	2	14,5	16,5	13	2	2	5,41
1844	52,63	51,14	74	32	42	5,5	10			1	12	1,5	1	15	16	10	1	1	4,85
1845	56,94	41,92	73	13	60	4,5			,5	5,5	13,5	5,5	1,5	17,5	13,5	3,5			1,90
1846	52,28	38,40	77	16	61	9,5				16,5	3	2		10,5	20,5	6	1		1,55
1847	49,48	42,91	68	15	53	6,5				5	9	5	5,5	20,5	10,5	6			4,65
Mean.	50,69	42,49				7,00	2,85		,60	5,40	9,25	3,10	2,80	16,23	14,77				3,28
Total.						70	28,5		6	54	92,5	31	28	178,5	162,5				22,98

NOVEMBER.																				
YEARS.	THERMOMETER.					WINDS. [No. OF DAYS.]								WEATHER. [No. OF DAYS.]						
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain. [Days.]	Snow. [Days.]	Rain and snow. [Days.]	Rain gage.	
	First Half.	Second Half.																		
1828	43,66	35,13	64	14	50		3				24,5	1	1,5	7,5	22,5	2	2			
1829	36,33	34,05	56	14	42	1	4		1		21	1	2	8	22	5	2			
1830	47,72	41,10	64	27	37									4,5	25,5	2	2	1		
1838			50	0	50		4,5			5,5	9,5	1	9,5	14	16	6	1,5			
1840	39,99	30,84	58	12	46	14	1,5	1			2,5	4	7	13	17	4	3		2,92	
1841	40,30	27,89	75	10	65		8,5			9,5		2,5	9,5	13	17	3	3		1,36	
1843	30,84	35,83	63	5	58		7,5	1	1	3,5	6,5	5,5	5	10	20	8	6	2	3,43	
1844	48,06	32,46	56	9	47		1	8,5		,5	8,5	2,5	9	18,5	11,5	5	4		,99	
1845	42,18	37,61	66	8	58		4	,5	,5	2	17,5	1	4	10	20	7	1,5		3,20	
1846	46,90	35,66	68	18	50		6,5	6		10,5	4,5		2,5	7	23	4	2		3,63	
1847	46,77	37,73	63	1	62		6			5	11,5	3	4,5	11	19	9	1		1,73	
Mean.	42,27	34,83					5,30	2,45	,15	,25	3,65	10,60	2,15	5,45	10,59	19,41			2,46	
Total.						53	24,5	1,5	2,5	36,5	106	21,5	54,5	116,5	213,5				17,26	
DECEMBER.																				
1828	38,51	26,46	55	15	40	3					27	1		12	19					
1829	33,03	34,27	56	8	48	1	8				19		3	13	18	2				
1830	33,18	30,39	56	4	52									4,5	26,5	4				
1838			38	-23	61	7,5	3			8	5	2,5	5	16	15	,5	4,5			
1840	26,40	21,12	46	0	46	4	6	1,5		6	6	5,5	2	18,5	12,5	2	4		1,19	
1841	35,03	23,91	46	3	43	3	9		6,5	9			3,5	13	18	3	3		1,11	
1843	24,35	32,83	47	-14	61	11,5	,5	1	5,5	7	4	,5	1	7	24	1	11		1,57	
1844	29,22	25,77	53	-6	59	7	5			4	5,5	1,5	8	17	14	4	3	1	3,27	
1845	18,85	20,91	41	-22	63	10	,5			4,5	11,5	1	3,5	18	13	2	4,5		3,94	
1846	24,18	24,75	48	-11	59	14,5	1			4	6,5	,5	4,5	12,5	18,5	5	7		3,00	
1847	39,75	23,64	63	-10	73	8,5				8,5	10	1	3	7	24	11	2		3,71	
Mean.	30,25	26,40					7,00	3,30	,25	1,20	5,10	9,45	1,35	3,35	12,59	18,41			2,54	
Total.						70	33	2,5	12	51	94,5	13,5	33,5	138,5	202,5				17,79	

RECAPITULATION OF RESULTS.

MONTHS.	THERMOMETER.					WINDS. MEAN RESULTS.								RESULTANT OF WINDS.			WEATHER. MEAN RESULTS.						Total fall.
	MEAN TEMPERATURE.		Highest degree.	Lowest degree.	Range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage. Monthly mean.	
	First Half.	Sec'd Half.																					
January.	24 75	21 10	57	—40	97	6 65	3 85	20	2 05	4 10	8 70	2 8	2 65	N 87° 31' W	22	5 81	18 68	7 32				1 86	18 86
February.	20 43	24 65	60	—26	86	4 75	4 4	20	2 30	3 30	10 10	2 00	3 35	N 45° 53' W	26	7 90	14 82	23 54				1 36	9 92
March.	20 12	34 97	73	—12	85	5 65	5 95	15	40	5 90	6 80	2 10	4 05	N 71° 22' W	18	5 41	16 50	14 50				2 88	20 13
April.	41 78	49 36	85	2	83	4 10	5 65	50	90	5 65	8 25	1 50	3 35	N 70° 07' W	16	4 85	15 86	14 14				1 75	12 95
May.	54 79	59 28	97	30	67	4 80	3 85	70	1 20	6 50	10 05	1 90	2 00	N 48° 11' W	27	8 25	15 63	22 37				2 38	16 82
June.	64 29	67 69	96	35	61	4 25	2 55	20	85	5 00	12 75	2 35	1 95	N 54° 39' W	41	12 40	18 32	11 68				3 52	24 65
July.	68 55	70 04	100	41	59	5 10	2 70	10	55	5 15	14 45	1 75	1 2	N 52° 50' W	43	13 64	15 55	12 45				4 30	30 78
August.	70 82	68 77	102	41	61	3 35	2 10		80	4 50	13 60	2 85	3 30	N 61° 12' W	48	11 53	20 22	10 78				3 09	21 66
September.	62 19	57 93	94	28	66	5 9	3 65	10	50	4 85	9 75	2 60	2 65	N 68° 61' W	39	9 63	17 50	12 50				3 31	23 20
October.	50 67	42 49	78	13	65	7 00	2 85		60	5 10	9 25	3 10	2 8	N 81° 30' W	31	9 27	16 23	14 77				3 28	21 98
November.	42 27	34 33	68	0	68	5 30	2 45	15	25	3 65	10 60	2 15	5 45	N 87° 45' W	33	11 45	10 59	19 41				2 46	17 26
December.	30 25	26 40	63	—28	86	7 00	3 30	25	1 20	5 10	9 45	1 35	3 35	N 71° 35' W	29	8 70	16 12	14 32				2 54	17 79
Mean.	46 69	46 38				5 86	3 61	21	80	4 92	10 11	2 20	2 95	N 71° 35' W	29	8 70	16 12	14 32				2 7	19 2

Highest degree, July 5, 1838, and July 17, 1840.

Lowest degree, January 16, 1840.

Extreme range in 10 years.

Greatest monthly range in January.

Least monthly range in July.

- 100°

- 40

140

Mean monthly range, 73°.

Driest month, February.

Wettest month, July.

Total fall of rain and snow in 8 years, 19 feet 2,40 inches.

MEAN TEMPERATURE, &c.

YEARS.	MEAN TEMPERATURE OF EACH MONTH.												Annual mean.	Highest degree.	Lowest degree.	Annual range.	Greatest mo. ran.	Coldest day in the year.	Warmest day in year.	First frost in Autumn.	First fall of snow.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.									
1828	30,72	33,62	36,17	40,95	58,05	69,76	63,84	69,52	59,26	45,31	39,39	32,48	48,63	90	-14	104	64	January 24,	June 29,	September 11,	November 14,
1829	21,07	15,50	30,19	42,98	57,13	64,60	67,30	66,76	53,65	45,62	35,19	33,65	44,52	89	-28	117	74	January 11,	August 6,	September 18,	November 8,
1830	19,64	19,73	33,78	49,37	51,09	63,78	70,18	65,46	56,90	46,25	44,41	31,78	46,02	85	-24	112	73	February 7,	July 22,	September 18,	November 8,
1838	12,65	30,87	35,00	48,98	53,35	64,52	70,97	71,59	59,31	48,36	35,42	23,76	46,47	100	-23	123	64	February 17,	July 17,	September 18,	October 26,
1840	26,29	21,29	30,48	41,37	52,20	63,33	63,27	71,03	66,41	42,68	34,09	30,47	48,07	97	-40	142	56	January 16,	July 17,	September 18,	October 26,
1841	28,98	16,45	24,73	46,38	55,39	64,27	67,04	70,56	61,47	44,81	33,33	24,59	45,17	92	-25	122	80	January 4,	July 24,	October 11,	October 25,
1843	12,02	21,80	33,49	42,57	62,93	67,04	70,49	71,86	61,77	51,84	40,26	27,69	47,80	93	-26	118	75	February 9,	July 24,	September 11,	October 23,
1844	26,05	26,41	38,55	45,93	54,31	67,07	71,12	70,78	57,55	49,13	39,90	19,53	45,75	92	-22	114	69	January 28,	June 26,	September 28,	October 29,
1845	22,72	20,25	35,18	48,67	61,19	63,90	67,09	69,81	64,50	45,30	41,29	24,48	46,90	94	-20	114	62	December 12,	July 16,	September 28,	October 18,
1846	24,12	21,54	28,09	39,27	59,05	65,21	72,18	67,81	59,79	46,19	42,25	31,69	46,42	95	-26	121	77	January 18,	July 17,	September 16,	November 26,
1847	24,12	21,54	28,09	39,27	59,05	65,21	72,18	67,81	59,79	46,19	42,25	31,69	46,42	95	-26	121	77	February 23,	July 17,	September 16,	November 26,
Mean.	22,43	22,75	32,57	45,65	57,03	65,94	69,29	69,55	60,66	46,63	38,55	28,31	46,47								

WINDS AND WEATHER.

YEARS.	ANNUAL RESULTS OF WINDS. [No. OF DAYS.]								RESULTANT OF WINDS.			WEATHER. [No. OF DAYS.]				
	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.
1828	6	47		2	5,5	254	12,5	39,5	S 57° 07' W	60	220,75	185,5	180,5	58	12	3
1829	16,5	59		2	5,5	216	14	52	S 68 2 W	47	172,97	191	174	35	7	
1830												148,5	216,5			
1838	76,5	30,5	2	7,5	88,5	85,5	33	41,5	S 74 1 W	27	97,67	203,5	161,5	45,5	13,5	2,5
1840	61,5	63,5	8	13	77	83	30	30	S 70 9 W	14	50,83	245	121	75	24	
1841	41	89	4	37,5	54,5	79,5	27,5	32	S 50 23 W	46	167,46	222,5	142,5	34	21	4
1843	98,5	28	5,5	14,5	83	69,5	44	22	S 83 20 W	20	73,64	182	183	90	51	7
1844	94,5	65,5	1	2	55,5	93,5	21,5	32,5	N 56 36 W	20	74,23	214,5	151,5	75	27	6
1845	69	22,5	3,5	2	28	162,5	27	50,5	S 81 12 W	43	158,66	217	148	24,5	15,5	1
1846	93,5	19,5	1	6,5	111,5	79	27,5	26,5	S 60 57 W	26	94,63	161	204	65	22	
1847	87,5	8,5	,5	9	82	116	27,5	34	S 65 56 W	36	128,95	157	208	84	23	3
Mean.	64,45	43,30	2,55	9,60	59,10	123,85	26,45	36,05	S 66 22' W	29	108,41	193,41	171,86			
Total.	644,5	433	25,5	96	591	1238,5	264,5	360,5				2127,5	1890,5			

RAIN.

YEARS.	RAIN GAGE FOR EACH MONTH.												Total fall of rain and snow.	Driest month in the year.	Wettest month in the year.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			
1840	,90	1,37	3,79	2,66	1,47	4,26	4,55	3,26	4,13	4,29	2,92	1,19	34,88	January.	July.
1841	3,63	,39	2,15	3,78	2,37	1,58	2,29	2,20	4,63	,38	1,86	1,11	25,75	February.	September.
1843	1,80	1,75	4,36	2,88	1,52	4,82	4,34	6,52	1,70	5,41	8,43	1,57	39,10	January.	August.
1844	2,09	1,45	2,34	1,07	3,38	3,65	2,26	1,53	2,98	4,85	,99	3,27	29,86	November.	October.
1845	1,30	2,34	2,56	,81	2,42	2,02	4,48	2,40	8,25	1,90	3,20	3,94	31,12	April.	July.
1846	1,94	,95	2,56	,45	2,00	2,72	8,06	,71	2,95	1,55	3,63	8,00	31,42	April.	July.
1847	1,51	1,36	2,37	1,10	2,26	5,60	4,80	5,04	3,51	4,65	1,73	8,71	37,64	April.	June.
Mean.	1,89	1,36	2,88	1,75	2,33	3,52	4,39	3,9	3,81	3,28	2,46	2,54	32,83		
Total.	13,26	9,52	20,13	12,25	16,32	21,65	30,73	21,66	23,20	22,98	17,26	17,79	229,80		

COMPARISON OF THE WARMEST AND COLDEST DAYS IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.	Warmest.	Coldest.
1828	13	24	7	14	29	4	29	13	17	8	29	1	26	14	10	18	1	10	10	20	4	18	3	31
1829	14	3	5	8	12	15	23	25	25	10	7	26	30	2	6	26	2	28	25	22	16	10	12	4
1830	14	30	20	7	22	12	21	4	4	10	16	1	21	10	7	13	30	1	2	26	1	29	25	22
1838	4	19	24	17	2	24	29	16	22	8	10	7	5	23	7	16	22	24	1	31	8	26	8	31
1840	30	16	21	4	28	10	25	7	18	5	29	1	17	3	21	9	9	21	2	7	9	30	14	24
1841	6	4	22	25	23	16	24	10	24	3	8	3	24	3	3	23	5	14	30	18	1	30	4	21
1843	8	1	11	9	28	7	26	3	15	2	30	1	1	20	31	21	3	27	1	24	24	30	17	13
1844	17	28	21	1	12	5	14	1	26	23	26	4	19	4	2	13	10	28	10	13	2	30	7	20
1845	7	31	21	2	31	16	24	4	12	16	4	17	16	23	23	31	2	22	11	21	3	28	9	12
1846	2	18	5	27	27	1	16	13	15	11	30	22	10	15	5	18	5	28	7	23	3	25	21	23
1847	15	31	3	23	25	31	21	1	11	2	27	15	17	27	10	21	3	16	8	27	9	29	10	21

COMPARISON OF THE RANGE OF THERMOMETER IN EACH MONTH.

YEARS.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
1828	51	-14	60	0	69	10	52	31	75	33	90	42	85	52	88	50	84	41	67	16	64	14	55	1
1829	46	-28	42	-22	60	3	78	28	87	30	87	44	83	50	89	41	84	27	70	17	56	14	56	8
1830	41	-20	49	-24	56	11	80	28	80	31	81	45	88	50	86	47	76	30	69	26	64	27	56	4
1838	36	0	42	8	66	2	71	20	97	44	96	50	100	61	88	50	78	40	62	30	50	0	38	-23
1840	45	-40	58	-22	60	-12	82	26	90	30	90	42	100	50	102	47	84	28	78	16	58	12	46	0
1841	55	-25	38	-20	51	0	78	18	85	30	95	45	97	41	97	41	89	83	74	20	75	10	46	3
1843	57	-18	44	-26	56	-10	74	2	85	32	90	40	92	45	88	48	90	29	70	13	63	5	47	-14
1844	52	-26	54	-20	57	-3	85	6	90	36	93	45	90	44	91	47	89	32	74	32	56	9	53	-6
1845	45	-6	59	-10	73	16	78	26	88	31	92	35	92	53	90	52	83	31	72	13	66	8	41	-22
1846	48	-20	47	-18	59	-7	76	26	89	30	90	44	94	44	93	44	94	35	77	16	68	18	48	-11
1847	47	-10	51	-26	60	-3	84	10	79	33	95	40	95	41	93	44	83	32	68	15	63	1	63	-10
Highest.	57		60		73		85		97		96		100		102		94		78		68		63	
Lowest.		-40		-26		-12		2		30		35		41		41		29		13		0		-23
Range.		97		86		85		83		67		61		59		61		66		65		68		86

GENERAL SUMMARY.

TEMPERATURE AND WINDS.

STATIONS.	THERMOMETER.						MEAN RESULTS OF WINDS.								RES. OF WINDS.		
	Mean temperature.	Highest degree.	Lowest degree.	Extreme range.	Mean monthly range.	Mean annual range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Mean direction.	Per cent.	Days.
Albany,.....	48.60	97	-23	120	67.5	100	4.11	1.98	.60	1.63	9.64	2.19	3.02	7.34	S 76° 19' W	22	6.76
Amenia Seminary,.....	46.73	96	-16	112	45.5	112	5.71	3.04	.46	2.54	6.46	4.50	1.25	6.46	N 77° 58' W	16	4.71
Auburn,.....	46.62	96	-14	110	68	96	3.19	1.10	.38	2.26	6.98	5.91	2.32	8.33	S 73° 14' W	33	10.05
Bridgewater,.....	42.66	94	-31	125	70.5	112	1.38	.38	.20	1.19	8.07	4.56	9.70	4.36	S 61° 35' W	62	15.58
Buffalo Lit. and Scientific Academy,.....	46.14	92	-22	114	55.5	114	.69	4.02	2.58	2.85	2.75	10.69	3.42	3.71	S 45° 00' W	29	8.71
Cambridge,.....	45.39	98	-36	134	74.2	116	6.83	1.60	.17	.61	7.08	5.94	4.03	4.79	S 87° 55' W	33	9.91
Canajoharie,.....	45.77	97	-36	133	62	118	.13	.02	3.79	6.08	.85	1.67	7.94	9.66	N 85° 20' W	26	7.86
Canandaigua,.....	45.73	94	-11	105	62	96	1.12	.50	.59	1.24	7.91	4.22	10.89	4.09	S 63° 37' W	55	16.67
Cayuga,.....	49.16	96	-10	106	63.2	94	5.85	.67	.52	1.58	9.49	2.89	3.87	5.59	S 73° 01' W	27	8.11
Cherry Valley,.....	44.27	98	-30	128	73	105	1.46	1.96	1.71	.89	3.96	6.10	10.17	4.25	S 77° 27' W	47	14.08
Clinton,.....	48.74	95	-8	103	61.5	88	2.17	3.51	3.67	3.08	8.77	4.70	3.55	3.88	S 34° 36' W	7	2.27
Cortland,.....	44.67	95	-28	123	71.5	105	.07	.10	.12	2.30	4.93	8.89	1.56	12.46	S 75° 17' W	51	15.35
Delaware,.....	46.66	93	-17	110	59	110	1.95	1.27	1.00	.95	5.60	8.47	6.54	4.72	S 64° 58' W	49	14.72
Dutchess,.....	50.61	102	-22	124	73	106	5.81	3.38	.62	4.85	4.85	5.01	2.19	3.72	N 80° 21' W	12	3.57
Erasmus Hall,.....	51.62	96	-4	100	59.5	87	2.15	4.82	.61	2.88	2.51	6.67	3.02	7.77	N 76° 00' W	24	7.39
Fairfield,.....	43.26	96	-26	122	72.3	105	.27	.33	5.03	4.84	.65	1.39	8.27	9.96	N 71° 53' W	27	8.01
Farmer's Hall,.....	47.56	98	-30	128	69.8	102	1.07	5.85	1.14	1.12	2.75	8.89	6.22	3.48	S 76° 20' W	30	9.14
Franklin (Malone),.....	43.54	94	-24	118	65	109	1.69	2.94	.63	1.44	3.35	6.71	9.73	4.01	S 79° 35' W	46	13.77
Franklin (Prattsburgh),.....	49.43	100	-19	119	71	106	1.96	.80	.52	.94	6.33	3.77	5.41	11.08	N 87° 34' W	48	14.23
Fredonia,.....	48.38	97	-12	109	65.8	93	2.49	1.88	1.19	1.75	4.66	5.36	10.64	2.41	S 71° 26' W	33	13.07
Gaines,.....	46.71	94	-7	101	57.5	94	1.41	3.27	1.78	2.73	1.24	6.29	3.64	9.99	N 71° 01' W	32	9.55
Gouverneur Wesleyan Seminary,.....	43.95	100	-40	140	79.8	123	3.50	3.18	.64	1.34	3.85	8.50	4.62	4.76	S 80° 30' W	34	10.30
Granville,.....	45.39	102	-31	133	74.5	117	10.24	.91	.23	1.08	7.50	7.77	1.26	1.43	S 73° 07' W	21	6.40
Greenville,.....	48.05	91	-17	108	51.5	108	.71	2.95	1.08	9.46	.95	1.62	1.95	11.67	N 34° 49' W	9	2.68
Hamilton,.....	44.82	96	-34	130	77.5	112	1.73	.90	.75	1.21	5.45	6.69	3.02	11.07	S 86° 28' W	46	13.80
Hartwick Seminary,.....	46.54	96	-30	126	71	104	1.32	.87	.49	1.15	11.16	2.76	4.23	8.50	S 60° 11' W	40	11.95
Hudson,.....	47.84	99	-24	123	67.8	102	6.95	1.66	.73	4.68	7.75	1.09	1.64	5.94	N 70° 37' W	5	1.47
Ithaca,.....	43.38	98	-18	126	70.5	101	2.94	.95	.59	2.58	5.85	3.95	3.59	10.88	N 85° 38' W	37	11.03
Johnstown,.....	44.91	96	-30	126	72.3	112	.19	2.39	4.99	1.58	.37	2.55	16.12	2.25	N 89° 07' W	39	11.72
Kinderhook,.....	47.00	102	-30	134	74.2	109	12.20	.45	.36	.92	11.23	.95	.61	3.71	N 45° 13' W	12	3.64
Kingston,.....	49.37	100	-30	130	71	104	1.70	.09	.88	2.77	2.89	6.60	2.28	6.51	N 63° 00' W	14	4.10
Lansingburgh,.....	47.92	101	-28	129	74	114	3.98	.94	.22	2.07	7.83	3.21	6.61	5.46	S 78° 50' W	35	10.59
Lewiston High School Academy,.....	47.88	97	-6	108	65.3	92	2.37	2.58	1.59	1.60	4.57	10.75	4.07	2.89	S 52° 27' W	38	11.58
Loville,.....	43.62	100	-40	140	79	120	5.31	.64	.46	3.73	6.83	2.45	3.87	7.00	S 86° 24' W	26	7.17
Mexico,.....	44.08	99	-24	123	72	106	2.07	.89	1.52	4.88	3.75	2.86	9.69	4.87	S 72° 08' W	33	10.07
Middlebury,.....	46.11	90	-20	120	78	103	2.31	1.68	.36	.54	1.49	14.90	5.41	3.74	S 69° 23' W	59	17.80
Millville,.....	46.78	95	-12	107	65	99	1.65	3.71	1.63	2.90	2.32	8.92	3.25	6.05	S 74° 18' W	26	7.82
Monroe,.....	45.84	96	-9	105	60	97	3.29	1.47	1.78	1.40	6.82	7.07	5.06	3.39	S 53° 48' W	42	12.66
Montgomery,.....	45.60	104	-33	137	77.5	109	3.25	3.23	.91	1.45	4.66	4.48	7.02	5.44	N 86° 59' W	23	9.88
Mount Pleasant,.....	47.41	97	-8	105	58.8	93	4.28	2.72	.67	2.79	6.21	4.02	1.49	8.23	N 80° 52' W	19	5.67
Newburgh,.....	49.67	105	-15	120	69	100	2.85	5.72	.64	1.88	4.18	6.93	3.85	4.36	S 85° 40' W	19	5.84
New-York Ins. for Deaf and Dumb,.....	51.01	92	-2	94	49	84	1.13	5.90	.53	4.03	.90	4.59	5.63	7.39	N 78° 45' W	28	8.56
North Salem,.....	48.06	102	-31	133	74	105	1.65	3.29	1.42	3.72	2.78	6.44	3.52	7.59	S 84° 59' W	23	7.09
Ogdensburg,.....	43.48	92	-10	102	44	102	1.71	5.88	.62	.67	3.41	10.58	4.50	3.04	S 69° 18' W	31	9.47
Oneida Conference Seminary,.....	43.65	97	-28	125	74	109	.88	.51	.56	1.82	5.27	5.83	5.64	9.92	S 80° 34' W	48	14.98
Oneida Institute of Science & Ind,.....	44.83	98	-33	131	71.8	115	1.39	.63	6.55	1.76	2.73	2.76	11.53	8.08	S 77° 18' W	26	7.48
Onondaga,.....	47.18	99	-22	121	72	106	1.56	.76	1.17	2.15	7.91	2.23	8.19	6.38	S 68° 17' W	39	11.90
Oxford,.....	44.74	98	-36	134	76.3	114	5.39	2.84	.34	.49	3.99	6.74	7.10	6.04	N 89° 03' W	44	13.20
Oyster Bay,.....	50.81	95	3	92	48.2	90	.87	6.58	.73	3.27	2.23	7.88	1.62	7.23	N 83° 34' W	16	4.64
Palmyra High School,.....	45.33	93	-9	102	54	102	1.83	2.25	.79	6.04	1.58	6.79	4.92	6.21	S 69° 10' W	26	7.98
Plattsburgh,.....	45.17	100	-20	120	63	108	6.62	1.39	.45	2.49	9.45	1.09	3.12	5.82	N 79° 32' W	16	6.33
Pompey,.....	42.83	91	-18	109	66	99	.37	.88	.19	3.11	4.75	7.69	6.50	7.42	S 66° 34' W	51	15.44
Redhook,.....	48.36	98	-28	126	68	102	8.97	2.42	1.39	2.12	9.78	1.17	1.32	1.84	S 84° 06' E	3	1.18
Rochester Collegiate Institute,.....	46.79	102	-9	111	67	95	2.16	2.75	1.12	2.09	2.12	5.80	6.79	7.51	N 81° 58' W	33	11.74
St. Lawrence,.....	43.61	96	-34	130	78.3	114	1.83	4.75	.25	.99	4.26	11.04	2.49	4.85	S 66° 15' W	34	10.29
Schenectady,.....	45.82	91	-16	107	55.3	101	1.39	1.62	1.18	4.76	3.90	1.33	7.73	8.51	N 87° 33' W	31	9.35
Springville,.....	45.32	95	-20	115	69.2	102	1.81	2.33	1.29	1.70	1.87	6.98	8.91	4.96	S 86° 59' W	42	12.72
Syracuse,.....	47.30	94	-3	97	45	97	.33	.75	2.29	4.33	3.00	3.25	10.37	6.08	S 73° 54' W	38	11.56
Union Hall,.....	49.87	100	-7	107	64.2	92	2.20	3.89	1.34	2.55	2.93	5.92	2.81	8.19	N 75° 07' W	24	11.93
Union Literary Society,.....	45.51	98	-35	133	74.5	112	2.54	3.27	1.18	2.61	5.92	4.95	6.32	3.32	S 59° 12' W	26	8.13
Utica,.....	45.88	97	-27	124	75	104	1.4	1.15	6.30	2.39	1.90	2.35	15.12	1.25	S 66° 39' W	37	12.73
Washington (Salem),.....	46.53	100	-40	140	73.8	119	5.36	3.61	.21	.80	4.92	10.31	2.20	2.99	S 71° 35' W	29	8.70
Mean,.....	46.74				67	103	2.81	2.32	1.26	2.44	4.76	5.42	5.54	6.04	S 80° 00' W	30	9.16

ASPECT OF SKY.

STATIONS.	JAN.		FEB.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUGUST.		SEPT.		OCTOBER.		NOV.		DEC.		
	Clear.	Cloudy.	Clear.	Cloudy.	Clear.	Cloudy.	Clear.	Cloudy.	Clear.	Cloudy.	Clear.	Cloudy.	Clear.	Cloudy.	Clear.	Cloudy.	Clear.	Cloudy.	Clear.	Cloudy.	Clear.	Cloudy.	Clear.	Cloudy.	
Albany,	14.52	16.48	14.33	13.72	16.96	14.04	17.81	12.19	18.10	12.90	18.92	11.08	21.40	9.60	20.65	10.35	17.65	12.35	17.58	13.42	14.04	15.96	12.49	18.29	
Amenia Seminary,	17.00	14.00	18.00	15.01	12.50	18.50	17.50	12.50	10.50	20.50	10.00	10.00	22.00	9.00	20.00	11.00	20.00	10.00	12.00	19.00	13.50	16.50	11.50	19.50	
Auburn,	10.91	20.09	10.79	17.47	14.75	16.25	15.43	14.57	17.04	18.96	18.45	11.55	21.45	9.55	20.77	10.23	17.79	12.21	14.04	16.96	8.95	21.05	5.07	22.36	
Bridgewater,	8.50	22.50	11.16	16.86	16.16	14.83	15.83	14.16	12.50	18.50	15.16	14.83	18.66	12.34	16.16	14.83	16.00	14.00	9.83	21.16	8.50	21.50	7.66	23.32	
Buffalo Lit. & Sci. Academy,	12.00	19.00	7.50	21.00	13.75	17.25	17.25	12.75	20.50	10.50	17.50	12.50	19.75	11.25	20.50	10.50	12.25	17.75	19.25	11.75	11.50	18.50	8.00	23.00	
Cambridge,	12.86	18.14	12.89	15.86	15.75	15.43	15.75	14.25	18.50	12.50	17.86	12.14	19.50	11.50	20.14	10.86	17.36	12.67	16.57	14.43	10.36	19.68	10.92	20.08	
Canajoharie,	12.25	18.75	12.00	16.00	15.25	15.75	16.50	13.50	18.00	13.00	10.75	12.25	18.25	12.75	20.25	10.75	19.50	10.50	13.50	17.50	10.75	19.25	10.00	21.00	
Canandaigua,	7.98	22.05	9.70	18.00	11.70	19.30	14.80	15.20	17.95	13.05	18.55	11.45	19.05	11.95	20.40	10.60	15.00	15.00	14.55	16.45	7.55	22.45	7.00	24.00	
Cayuga,	11.96	19.04	11.77	16.46	14.73	16.27	16.00	14.00	17.06	13.04	17.69	12.81	19.81	11.19	20.81	10.19	17.50	12.50	14.42	16.58	10.15	19.85	6.65	24.35	
Cherry Valley,	12.10	18.90	12.77	15.50	15.50	15.50	15.20	14.80	17.30	13.70	17.33	12.67	18.50	12.50	20.45	10.55	16.00	14.00	14.99	16.01	9.80	20.20	9.37	21.63	
Clinton,	19.09	11.91	17.65	10.60	20.88	10.12	18.55	11.15	20.00	10.40	21.26	8.74	23.71	7.29	23.88	7.12	21.76	8.23	21.41	9.59	18.29	11.71	15.65	12.35	
Cortland,	8.75	22.25	7.75	20.50	4.25	16.75	15.35	14.62	17.75	13.25	14.87	15.13	20.62	10.38	19.25	11.75	15.75	14.35	14.00	17.00	8.75	21.25	8.12	22.85	
Delaware,	16.04	14.91	15.06	13.12	16.75	14.25	16.97	13.05	18.76	12.24	19.54	10.46	22.23	7.25	22.25	7.75	20.00	10.00	17.50	18.50	11.25	15.75	19.25	11.72	
Dutchess,	17.83	13.17	16.79	11.46	19.12	11.88	8.33	11.67	18.76	12.24	19.54	10.46	22.23	8.77	21.08	9.92	20.50	9.50	20.35	10.65	17.71	12.29	16.88	14.17	
Erasmus Hall,	9.05	21.95	9.58	15.74	12.08	15.02	13.68	16.32	15.08	15.92	14.05	15.42	16.53	14.47	16.18	14.87	13.53	16.47	12.16	18.54	8.29	21.71	5.95	25.05	
Farmer's Hall,	18.59	12.41	10.99	11.59	18.92	12.18	20.00	9.91	19.17	11.83	18.50	11.50	22.32	8.78	20.73	10.27	21.32	8.78	20.50	10.41	17.32	16.73	15.90	15.10	
Franklin (Malone),	11.50	19.50	7.83	20.50	13.67	17.83	15.50	14.50	14.38	16.67	12.89	17.17	15.17	15.82	16.16	14.84	12.39	17.67	14.67	16.23	9.50	23.50	6.86	24.14	
Franklin (Prattsburgh),	13.25	17.75	13.25	12.95	15.35	15.65	16.50	13.90	19.95	11.05	18.10	11.00	22.50	8.20	21.35	9.05	18.25	11.75	17.60	13.40	11.20	18.80	9.50	21.50	
Fredonia,	9.86	21.14	11.47	16.75	15.00	16.00	15.94	14.06	13.25	17.75	17.25	13.70	19.67	11.32	20.19	10.81	14.61	15.39	13.93	17.17	7.82	12.67	6.50	24.50	
Gaines,	8.75	22.25	7.75	20.50	4.25	16.75	15.35	14.62	17.75	13.25	14.87	15.13	20.62	10.38	19.25	11.75	15.75	14.35	14.00	17.00	8.75	21.25	8.12	22.85	
Gouverneur Wesleyan Sem.,	15.17	15.83	14.67	13.50	16.75	12.25	15.62	14.35	16.17	14.83	17.88	12.12	18.92	12.08	18.57	12.13	15.17	14.83	13.68	17.92	10.20	18.00	11.08	19.92	
Granville,	17.03	13.93	18.36	9.93	17.61	13.89	17.54	12.40	17.21	18.73	14.53	12.40	20.29	10.11	20.46	10.54	15.18	11.82	17.18	13.54	16.46	10.67	10.47	14.93	
Greenville,	9.50	21.50	13.00	15.00	10.50	20.50	17.50	12.50	26.00	5.00	9.50	20.50	21.50	9.50	18.50	12.50	15.50	14.50	15.50	12.00	18.00	19.50	11.50	11.50	
Hamilton,	9.38	21.62	10.21	18.03	13.47	17.53	15.12	14.88	15.68	15.32	15.59	14.41	17.65	13.35	18.70	12.80	14.56	15.44	14.41	15.59	17.44	22.56	7.56	23.03	
Hartwick Seminary,	10.87	20.13	10.89	17.61	14.98	16.01	14.75	15.25	15.97	15.63	15.81	14.19	16.17	14.53	19.19	11.81	15.07	14.93	14.53	16.66	8.94	21.66	8.53	22.47	
Hudson,	16.09	14.91	14.88	13.32	16.79	14.21	15.94	14.16	15.38	15.62	17.18	12.82	18.50	12.50	18.79	12.91	16.59	13.41	16.65	14.35	12.33	17.62	12.32	18.73	
Ithaca,	10.50	20.50	10.59	17.72	14.84	16.16	16.94	13.06	17.66	13.34	18.00	12.60	20.91	10.69	20.31	10.69	17.09	12.91	16.08	14.97	9.87	20.18	9.00	22.00	
Johnstown,	15.64	15.36	16.11	12.18	18.32	12.68	16.86	13.44	19.29	11.71	18.47	11.63	20.46	10.54	20.04	10.96	18.57	11.49	18.43	12.57	14.93	16.07	18.25	17.75	
Kinderhook,	12.91	15.09	12.09	16.15	14.97	16.08	15.47	14.58	16.23	14.77	16.47	13.63	18.59	12.41	18.21	12.79	17.41	12.59	16.92	14.65	11.76	18.34	10.29	20.71	
Kingston,	17.70	13.30	14.80	12.68	18.95	12.05	17.67	12.39	17.80	13.20	18.40	11.60	21.30	9.70	21.57	9.43	19.97	10.03	19.07	11.93	15.65	14.35	16.27	15.73	
Lansingburgh,	14.27	16.73	13.70	14.55	17.00	14.00	16.55	13.45	14.67	17.77	13.23	17.25	12.75	17.15	11.25	19.42	11.58	17.27	12.78	16.55	14.45	13.00	17.00	12.90	18.11
Lewiston High School,	12.56	18.44	13.33	19.44	15.78	15.22	17.50	12.50	20.22	10.78	20.56	9.44	22.56	8.44	20.90	10.10	16.86	13.14	15.42	15.58	10.97	19.03	10.89	20.10	
Lowville,	9.74	21.26	9.47	18.79	12.79	18.21	14.92	15.18	16.16	14.87	15.92	14.08	18.05	12.95	19.45	11.55	14.89	15.61	13.26	17.74	8.11	21.89	7.76	23.24	
Mexico,	10.50	20.50	11.00	17.26	15.54	15.46	15.91	11.09	18.45	12.55	20.63	8.82	22.83	8.17	21.31	9.69	18.93	11.87	14.18	16.87	8.88	21.92	7.81	23.82	
Middlebury,	10.75	20.22	11.78	16.49	14.28	16.72	15.47	14.58	18.39	12.61	17.75	12.25	21.16	9.84	21.44	9.56	17.97	12.03	16.56	14.14	9.83	20.17	8.65	12.42	
Millville,	8.75	22.25	10.06	18.19	13.88	17.62	16.69	13.31	20.89	10.31	18.94	11.66	22.37	8.63	21.75	9.25	17.19	12.81	12.18	19.17	8.71	7.00	23.00	7.81	23.69
Monroe,	10.50	20.50	11.06	16.66	18.00	13.00	19.15	10.50	20.50	10.17	18.00	12.00	23.67	7.33	20.67	10.33	15.83	14.17	19.17	11.83	13.39	16.97	11.53	19.17	
Montgomery,	14.84	16.16	14.77	13.50	15.89	15.11	15.88	14.12	16.85	14.15	16.42	12.08	19.12	11.88	19.81	11.39	16.23	13.77	16.65	14.35	14.81	16.09	14.58	16.42	
Mount Pleasant,	16.62	14.38	15.67	12.58	17.50	13.50	15.96	14.06	17.08	13.92	18.46	11.54	19.15	11.25	19.00	12.00	18.21	11.79	18.65	12.42	15.35	14.62	13.02	17.08	
Newburgh,	15.15	15.20	14.68	13.75	13.86	17.14	17.63	12.47	16.64	14.36	19.67	10.33	19.86	10.14	20.04	10.14	18.42	11.58	17.42	13.58	14.63	15.31	13.12	16.72	
N. Y. Ins. for Deaf & Dumb,	12.00	19.00	12.80	15.00	12.00	18.00	13.50	15.50	10.00	10.00	17.00	12.00	18.30	17.70	14.00	17.00	15.90	14.10	13.20	17.00	11.00	19.00	8.50	22.50	
North Salem,	17.26	13.74	16.97	11.25	18.13	12.87	18.24	11.76	17.52	13.45	20.24	9.76	20.50	10.50	21.00	10.00	20.96	9.95	15.94	12.06	16.76	15.24	14.14	16.16	
Ogdensburg,	10.39	20.60	10.00	18.00	13.00	16.00	19.00	11.00	15.50	15.50	19.														

MEAN DEPTH OF RAIN AND MELTED SNOW.

[At most of the stations reporting, the rule laid down in the Instructions, directing THE NUMBER OF DAYS on which it rained to be recorded, appears to have been misunderstood, the occurrence of fractions indicating that the number of HALF DAYS on which it rained were recorded in the same manner as the aspect of the sky. From this want of uniformity, the mean and total of days on which it rained or snowed were not ascertained or entered in the foregoing tables. The mean results of observations upon the rain gage are, therefore, the only ones that can be shown with any degree of certainty.]

STATIONS.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	MONTHLY MEAN.	ANNUAL MEAN.
Albany,	2,91	2,62	3,02	2,88	4,04	4,50	4,09	3,44	3,47	3,76	3,30	2,98	3,42	40,93
Auburn,	2,50	2,04	2,13	2,22	3,45	3,57	3,13	3,23	3,20	3,38	2,85	2,72	2,88	34,52
Bridgewater,	4,26	2,84	3,01	4,26	3,47	5,36	4,82	2,74	2,55	4,37	2,12	4,35	3,07	44,02
Buffalo Literary and Scientific Academy,	1,74	3,43	1,26	1,21	1,64	1,61	1,10	2,19	3,41	4,03	3,41	2,25	2,27	27,31
Cambridge,	3,36	2,61	2,12	3,36	3,65	4,66	3,91	3,98	3,27	6,03	3,29	2,29	3,35	40,14
Canandaigua,	2,94	3,13	2,31	2,68	4,53	3,89	3,22	3,12	2,81	3,26	2,77	2,36	3,10	37,15
Cayuga,	1,93	1,69	1,64	2,09	3,73	3,75	3,88	3,37	3,11	3,20	2,03	2,12	2,76	33,10
Cherry Valley,	3,13	2,62	2,99	3,09	3,67	4,56	4,41	3,19	3,92	3,64	3,17	2,73	3,43	41,14
Clinton,	3,22	2,50	2,68	3,58	4,13	2,99	2,93	3,06	3,26	3,63	3,63	3,07	3,22	38,60
Delaware,	2,32	2,65	3,02	1,45	5,87	7,18	4,79	3,41	1,96	4,18	3,39	1,65	3,49	41,87
Dutchess,	3,20	2,07	2,94	2,72	3,24	3,36	3,68	4,10	2,44	3,88	3,38	3,14	3,18	38,13
Erasmus Hall,	3,08	2,88	3,62	3,49	3,61	3,88	3,63	4,12	3,11	3,89	3,79	3,73	3,56	42,74
Fairfield,	2,69	1,79	2,36	2,53	3,09	4,29	4,21	3,65	3,08	3,56	2,46	2,74	3,05	36,60
Farmer's Hall,	2,59	2,55	2,61	2,05	3,44	3,27	2,95	2,66	2,79	3,12	3,34	3,44	2,83	33,94
Franklin (Malone),	1,73	2,23	2,04	2,04	2,97	3,38	3,89	1,57	2,75	2,92	1,44	2,09	2,42	29,07
Franklin (Prattsburgh),	1,96	1,83	2,41	2,64	3,15	4,04	3,32	2,51	3,25	2,86	2,41	2,60	2,75	32,98
Fredonia,	2,04	1,82	1,99	1,93	3,32	3,83	3,34	3,28	4,46	4,31	3,27	2,96	3,05	36,68
Gaines,	2,59	1,72	3,49	2,64	2,47	3,74	3,79	2,45	3,12	1,65	3,01	2,83	2,79	33,50
Gouverneur Wesleyan Seminary,	2,54	1,87	1,68	1,94	2,44	2,89	2,34	2,21	2,59	3,02	1,67	2,30	2,71	27,61
Granville,	2,08	1,42	1,74	2,13	3,47	3,21	3,62	2,97	2,67	2,90	2,88	2,59	2,64	31,69
Hamilton,	2,25	2,65	2,27	1,93	2,93	3,48	3,79	2,70	3,68	3,12	2,54	2,78	2,88	34,52
Hartwick Seminary,	2,66	2,15	2,59	3,10	3,35	4,05	4,24	2,91	3,09	3,54	3,20	2,54	3,11	37,38
Hudson,	2,68	2,33	2,77	2,54	3,13	3,68	3,66	2,98	2,73	3,98	2,59	2,89	2,99	35,96
Ithaca,	1,82	1,64	2,15	1,84	3,22	3,43	3,35	2,64	3,32	2,66	2,86	1,96	2,57	30,89
Johnstown,	3,30	2,77	3,62	2,99	3,45	4,26	4,01	3,14	2,87	3,28	3,33	2,87	3,32	39,82
Kinderhook,	2,21	1,53	2,48	2,97	3,41	4,55	4,35	3,35	3,94	3,25	2,69	2,75	2,99	35,81
Kingston,	3,26	2,21	2,97	2,53	3,70	3,84	4,09	2,68	2,24	3,11	3,46	3,34	3,13	37,53
Lansingburgh,	2,29	2,07	2,16	2,40	2,78	3,92	3,55	2,52	3,02	3,19	2,82	2,59	2,79	33,47
Lewiston High School Academy,	1,40	1,11	1,39	1,51	1,98	2,46	2,34	1,96	2,59	2,67	1,68	1,11	1,85	22,23
Lowville,	2,34	2,38	1,78	1,90	2,79	3,42	3,67	2,84	2,82	3,28	2,94	2,22	2,72	32,69
Mexico,	2,27	2,06	2,26	1,40	2,77	2,38	2,75	2,12	2,79	3,94	3,07	3,09	2,56	30,76
Middlebury,	1,46	1,77	2,26	2,46	2,92	3,40	3,30	2,81	2,83	2,88	2,56	1,79	2,54	30,47
Millville,	2,46	1,88	1,68	2,11	2,13	2,65	2,34	2,09	3,75	3,14	2,75	1,95	2,41	28,94
Monroe,	1,66	1,81	1,06	3,21	1,84	3,47	1,53	3,01	3,42	3,98	1,38	3,38	2,23	26,75
Montgomery,	2,72	2,23	2,25	2,94	2,78	4,07	3,92	2,86	2,38	3,55	2,87	2,36	2,91	34,93
Mount Pleasant,	2,15	1,50	2,55	3,57	3,63	3,14	4,46	4,12	3,10	3,22	2,28	2,44	3,02	36,19
Newburgh,	2,73	2,09	2,26	1,99	4,09	3,52	3,17	3,00	3,19	3,61	3,11	2,25	2,96	35,58
New-York Institution for Deaf and Dumb,	3,22	4,54	4,99	1,87	6,67	1,77	4,64	3,98	2,88	3,26	4,96	4,27	3,85	46,26
North Salem,	3,07	2,27	3,11	3,01	4,19	3,46	4,23	3,61	3,08	4,50	2,29	3,30	3,53	42,41
Ogdensburg,	2,36	97	1,18	40	4,81	3,57	1,88	2,55	1,01	2,73	2,07	1,08	2,05	24,61
Oneida Conference Seminary,	2,46	2,12	2,60	2,93	3,76	4,50	4,10	3,58	3,55	3,58	3,00	2,77	3,19	38,30
Oneida Institute of Science and Industry,	2,74	1,41	1,34	2,19	2,75	3,39	3,39	2,96	2,54	3,27	2,11	1,96	2,50	30,06
Onondaga,	2,52	1,48	1,79	2,02	2,77	3,69	3,41	3,19	2,67	3,26	2,48	1,95	2,62	31,39
Oxford,	2,64	1,98	2,25	2,66	3,41	4,08	4,03	2,63	3,25	3,44	2,45	2,25	3,00	36,05
Oyster Bay,	1,92	1,67	2,67	4,89	7,08	4,97	6,45	2,10	4,83	2,00	2,24	1,47	3,52	42,29
Palmira High School,	1,22	85	1,65	4,00	98	5,61	4,19	4,08	3,27	5,06	1,96	93	2,82	33,80

GENERAL SUMMARY

STATIONS.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	MONTHLY MEAN.	ANNUAL MEAN.
Plattsburgh,.....	3,05	3,28	4,63	2,81	2,35	3,74	2,53	2,81	3,31	4,53	2,43	2,63	3,17	38,69
Pompey,.....	1,87	1,30	1,19	1,56	2,76	4,38	4,11	3,37	3,09	2,90	1,65	1,24	2,45	29,46
Redhook,.....	2,72	1,54	2,43	3,16	3,09	4,15	4,26	2,96	2,61	2,89	2,53	2,48	2,89	34,73
Rochester Collegiate Institute,.....	1,91	1,37	1,83	2,01	3,08	3,31	2,98	2,66	3,15	3,46	2,90	2,06	2,56	30,77
St. Lawrence,.....	1,40	1,06	1,48	1,70	3,02	3,31	4,03	2,81	3,11	3,34	1,93	1,44	2,39	28,62
Schenectady,.....	7,16	4,52	2,14	4,62	3,07	3,85	3,11	1,92	2,59	2,76	2,77	2,28	3,39	40,79
Springville,.....	1,18	2,37	1,83	2,95	2,16	3,95	3,60	3,64	4,59	5,82	3,03	2,30	3,12	37,44
Syracuse,.....	2,46	1,83	3,63	1,63	1,10	3,00	2,19	2,15	4,68	5,41	2,83	2,12	2,75	33,03
Union Hall,.....	2,50	2,23	2,83	3,05	3,54	3,69	3,94	4,09	3,38	3,48	3,49	2,85	3,25	39,07
Union Literary Society,.....	1,98	1,83	1,48	1,86	2,45	2,48	2,96	2,60	2,91	4,00	2,86	2,12	2,46	29,55
Utica,.....	2,92	2,61	2,75	3,17	3,34	4,60	4,53	3,70	3,55	2,78	3,43	3,19	3,34	40,09
Washington (Salem),.....	1,89	1,36	2,88	1,75	2,33	3,52	4,39	3,09	3,31	3,28	2,46	2,54	2,73	32,80
Mean,.....	2,51	2,12	2,29	2,53	2,31	3,75	3,59	2,99	3,11	3,44	2,57	2,43	2,91	34,90

To show the relative quantity of rain in the several seasons, as influenced by the more characteristic topographical features of the State, the following summary has been prepared. The stations have been grouped into seven classes, based upon circumstances in some degree common to those included in each.

CLASSES AND STATIONS.	SPRING.	SUMMER.	AUTUMN.	WINTER.
<i>Maritime Region</i> , including Clinton, Erasmus Hall, New-York Institution, Oyster Bay and Union Hall; all excepting one being on Long Island,.....	4,07	3,75	3,45	2,93
<i>The Eastern Region</i> , mostly in the Valleys of the Hudson and Lake Champlain, including Albany, Cambridge, Dutchess, Farmer's Hall, Granville, Hudson, Kinderhook, Kingston, Lansingburgh, Montgomery, Mount Pleasant, Newburgh, North Salem, Plattsburgh, Redhook, Washington,.....	2,92	3,62	3,05	2,56
<i>The Mohawk Valley</i> , including Fairfield, Johnstown, Oneida Institute, Schenectady and Utica,.....	3,23	3,67	2,96	2,86
<i>The Susquehanna Valley</i> and its branches, including Bridgewater, Cherry Valley, Delaware (on a branch of the Delaware), Franklin (Prattsburgh), Hamilton, Hartwick and Oxford,.....	3,00	3,92	3,17	2,72
<i>The Valley of the St. Lawrence</i> , including Franklin (Malone), Gouverneur, Ogdensburg and St. Lawrence,.....	2,14	2,95	2,44	1,71
<i>The Western Region</i> , mostly in the vicinity of the smaller lakes; including Auburn, Canandaigua, Cayuga, Ithaca, Middlebury, Oneida Conference, Onondaga, Pompey and Syracuse,.....	2,49	3,40	3,06	2,04
<i>The region of Lakes Erie and Ontario</i> , including Buffalo, Fredonia, Gaines, Lewiston, Lowville, Mexico, Millville, Monroe, Palmyra, Rochester, Springville and Union Literary Society,.....	2,19	2,95	3,30	1,94
<i>Relative quantity in the whole State</i> ,.....	2,38	3,44	3,04	2,35

COMPARISON OF THE EXTREMES OF TEMPERATURE OF EACH STATION.

STATIONS.	JAN.		FEB.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUGUST.		SEPT.		OCT.		NOV.		DEC.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
Albany,.....	60	-23	60	-16	73	-12	88	6	93	28	94	40	97	50	96	31	88	30	80	21	70	3	62	-13
Amenia Seminary,.....	48	-10	46	-16	57	8	69	19	80	34	93	44	96	59	86	50	80	39	62	30	64	22	46	1
Auburn,.....	62	-14	64	-14	78	-6	84	6	88	14	94	36	96	44	94	42	86	30	80	18	70	0	63	-6
Bridgewater,.....	64	-14	58	-18	66	-16	83	15	89	17	93	30	94	38	93	33	88	21	76	17	68	-4	52	-23
Buffalo Lit. and Scientific Academy,.....	48	-10	46	-22	70	-2	72	14	88	27	89	42	92	41	89	37	86	34	73	23	62	12	48	2
Cambridge,.....	59	-36	60	-32	74	-20	85	12	91	23	98	37	96	41	96	36	90	23	78	14	74	6	60	-29
Canajoharie,.....	52	-36	52	-16	64	-6	86	22	88	28	92	43	97	48	96	42	94	26	80	22	69	4	50	-19
Canandaigua,.....	66	-10	59	-11	70	8	88	22	90	28	91	42	94	50	93	41	84	32	79	20	70	4	61	-2
Cavuga,.....	60	-6	65	-10	76	-4	85	14	89	27	96	40	96	50	96	42	90	31	80	19	72	6	57	-2
Cherry Valley,.....	62	-30	57	-30	78	-12	85	4	90	21	96	31	98	34	90	36	88	26	83	17	67	1	57	-19
Clinton,.....	64	-8	61	-1	68	-2	78	20	86	25	95	32	93	47	92	42	88	30	78	20	68	10	60	-2
Cortland,.....	67	-28	60	-26	75	-19	89	0	93	16	91	28	95	40	91	34	88	28	82	17	70	-7	63	-14
Delaware,.....	51	-17	60	-13	70	-17	65	19	84	19	93	40	80	50	90	51	80	32	77	11	63	3	58	-5
Dutchess,.....	65	-30	65	-20	78	-4	90	2	94	34	102	30	105	46	98	36	100	28	95	16	76	7	68	-22
Erasmus Hall,.....	64	-6	64	-4	72	-4	84	24	92	28	94	39	96	53	96	48	92	32	80	22	72	12	68	4
Fairfield,.....	53	-21	55	-22	70	-8	85	-1	88	23	93	26	94	32	96	30	90	22	78	14	69	-10	60	-26
Farmer's Hall,.....	60	-30	65	-16	78	-5	84	10	98	26	96	36	96	42	91	36	88	32	82	14	78	4	62	-10
Franklin (Malone),.....	54	-24	68	-15	68	-12	88	11	88	25	89	31	94	38	94	40	84	23	74	20	64	6	45	-14
Franklin (Prattsburgh),.....	56	-19	60	-14	76	-8	86	4	96	20	95	30	100	36	98	34	96	25	78	12	72	2	60	-1
Fredonia,.....	70	-7	65	-12	76	-6	86	18	90	25	96	34	97	42	94	41	94	32	88	20	73	9	64	2
Gaines,.....	59	-7	64	-7	65	4	83	19	89	30	91	39	94	46	92	40	90	30	78	20	62	4	56	5
Gouverneur Wesleyan Seminary,.....	64	-35	59	-32	72	-30	85	10	94	22	95	33	100	37	99	32	93	22	80	10	73	-17	55	-40
Granville,.....	60	-31	55	-25	68	-14	86	-4	90	24	97	34	102	42	94	31	92	26	81	14	80	0	64	-22
Greenville,.....	57	-10	52	-17	69	8	70	16	91	38	87	53	89	50	87	48	82	34	74	25	60	20	61	-2
Hamilton,.....	63	-34	64	-28	78	-15	90	4	92	20	95	28	96	38	95	33	90	19	82	11	70	-4	64	-20
Hartwick Seminary,.....	59	-30	63	-24	76	-12	82	6	92	20	92	32	96	41	91	36	85	27	80	16	74	-2	64	-10
Hudson,.....	62	-24	64	-10	73	-2	87	12	94	28	99	33	99	48	98	44	92	30	80	18	68	7	67	-16
Ithaca,.....	71	-18	60	-12	76	-10	98	15	89	20	96	37	99	43	98	37	94	28	86	19	75	1	63	-5
Johnstown,.....	52	-30	60	-22	75	8	93	6	92	24	96	30	95	42	94	38	92	25	78	15	74	-4	56	-25
Kinderhook,.....	65	-30	68	-18	76	-10	88	9	91	24	96	33	102	41	97	38	95	26	89	16	73	0	57	-17
Kingston,.....	69	-30	64	-22	78	-5	86	10	96	27	97	40	100	48	93	41	91	30	88	16	83	6	64	-12
Lansingburgh,.....	61	-28	66	-25	78	-13	90	4	96	25	99	34	101	42	101	42	98	25	82	17	75	4	56	-14
Lewiston High School,.....	62	-6	66	-6	77	0	82	16	96	25	96	38	97	49	93	80	95	30	82	22	76	5	70	-1
Lowville,.....	60	-34	60	-32	78	-21	86	10	91	20	99	30	100	37	96	33	88	16	80	10	75	-2	60	-40
Mexico,.....	66	-24	60	-24	72	-15	87	2	90	18	94	31	99	40	92	42	92	28	92	20	72	8	58	-11
Middlebury,.....	65	-15	70	-20	84	-17	88	4	96	17	97	25	100	40	99	32	90	23	88	14	78	7	75	-17
Millville,.....	58	-6	64	-5	80	-12	86	12	91	25	91	32	95	40	96	42	91	28	79	18	78	5	55	3
Monroe,.....	56	-5	64	-9	67	0	80	19	90	30	96	42	94	45	92	38	86	28	83	22	69	7	52	-8
Montgomery,.....	70	-33	68	-25	79	-6	92	4	97	20	100	40	104	38	99	38	98	25	87	17	79	-6	62	-10
Mount Pleasant,.....	57	-8	67	-2	71	5	81	15	93	27	95	37	100	48	97	49	85	34	78	27	70	9	56	-4
Newburgh,.....	68	-27	66	-14	78	-2	92	10	98	27	102	32	105	48	98	44	97	30	80	20	76	8	69	-15
New-York Inst. for Deaf and Dumb,.....	56	-2	58	2	62	10	73	24	79	38	90	50	92	56	87	55	88	38	79	33	69	20	66	9
North Salem,.....	66	-31	72	-15	76	-7	88	15	92	24	95	30	102	42	98	37	94	22	81	17	74	-1	64	-17
Ogdenburgh,.....	51	-7	28	-5	56	8	64	16	76	40	82	50	92	49	84	41	77	37	71	24	51	2	36	-10
Oneida Conference Seminary,.....	61	-28	59	-22	76	-14	90	11	95	17	93	27	97	37	92	32	93	25	78	10	70	-6	57	-21
Oneida Institute of Science and Ind.	53	-33	56	-32	61	-26	81	11	90	6	95	35	97	41	98	34	88	23	81	16	70	-2	49	-18
Onondaga,.....	62	-18	60	-22	80	-10	90	0	94	23	99	34	99	42	95	40	93	30	81	16	70	2	69	-18
Oxford,.....	64	-36	60	-33	74	-19	84	9	94	20	98	28	96	40	93	32	91	17	81	14	72	2	62	-21
Oyster Bay,.....	55	3	58	3	72	11	83	32	84	32	91	55	95	55	93	52	84	43	79	31	68	15	56	5
Palmyra High School,.....	48	-9	53	-2	54	-1	77	19	87	30	93	44	90	45	89	38	85	29	84	23	67	12	50	-4
Plattsburgh,.....	52	-17	50	-20	66	-12	80	8	89	30	93	34	100	48	91	48	87	32	70	14	69	2	62	-16
Pompey,.....	59	-18	56	-16	72	-8	83	10	88	20	90	29	91	45	89	40	84	28	76	16	70	-3	60	-18
Redhook,.....	65	-28	64	-16	72	-1	90	18	92	15	97	42	98	44	93	40	91	30	82	24	78	6	60	-8
Rochester Collegiate Institute,.....	64	-9	62	8	76	3	88	11	89	25	97	35	102	34	98	44	94	28	80	22	74	7	62	-4
St. Lawrence,.....	57	-34	67	-32	76	-28	84	-1	94	20	95	32	96	40	95	34	88	23	86	12	71	-10	59	-26
Schenectady,.....	53	-12	42	-16	59	-10	74	18	91	32	88	42	88	51	88	46	87	33	73	21	72	3	61	-10
Springville,.....	58	-20	64	-11	70	-14	80	9	88	21	91	28	95	38	91	34	87	25	83	18	70	-3	60	-14
Syracuse,.....	56	6	42	0	46	-3	76	24	85	36														

ANNUAL SUMMARY

OF

OBSERVATIONS MADE AT ALL THE STATIONS REPORTING, INCLUDING PARTS OF YEARS.

1826.																						
MONTHS.	Stations reporting.	THERMOMETER.						WINDS. MEAN RESULTS.								WEATHER. MEAN RESULTS.						
		MEAN TEMPERATURE.			Highest degree.	Lowest degree.	Extreme range.	Mean range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage.
		First Half.	Second Half.	Whole Month.																		
January,...	12	32.67	21.73	27.20	61, 8 stations.	-14, Hartwick.	75	60	1.73	.86	.73	1.77	5.77	5.95	6.82	7.26	9.03	21.97	3.83	8.77	.17	2.14
February,...	13	27.81	30.24	29.02	68, Lansingburgh.	-26, Hamilton.	94	71	1.71	1.33	1.12	2.46	6.17	4.04	5.50	5.66	11.31	16.37	2.93	4.04	.12	1.74
March,...	13	39.16	33.46	36.31	72, Hartwick.	6, Pompey.	96	57	1.46	2.67	1.79	2.37	5.71	2.71	4.54	7.08	11.58	18.83	6.46	1.70	.33	3.92
April,...	12	37.13	45.77	41.45	85, Middlebury.	4, 2 stations.	81	65	2.58	1.29	1.62	2.46	4.92	4.04	5.00	8.08	15.18	14.54	4.67	1.67	.41	1.99
May,...	16	65.24	64.82	65.03	96, 2 stations.	27, Middlebury.	69	53	2.61	.81	.88	2.50	6.33	4.58	6.11	8.50	23.59	6.63	2.84	.74		
June,...	18	68.75	67.11	67.93	97, Middlebury.	35, Utica.	62	43	1.28	1.34	1.62	5.72	6.46	5.32	4.40	4.25	13.03	16.22	9.82			
July,...	19	71.80	68.38	70.09	100, 3 stations.	89, Lowville.	61	44	3.22	.97	.59	1.75	5.27	5.39	6.11	7.69	23.00	6.11	5.67		3.12	
August,...	19	68.35	70.16	69.22	99, Middlebury.	85, Middlebury.	64	44	4.53	1.05	1.50	1.83	2.48	3.00	3.92	5.58	22.22	7.97	3.67		2.88	
September,...	20	65.62	57.51	61.56	93, Onondaga.	25, Lowville.	65	49	2.92	1.74	1.32	2.02	4.97	5.52	3.29	4.42	18.34	12.47	6.05	.50	3.98	
October,...	20	54.90	46.37	50.63	88, Middlebury.	18, 4 stations.	70	54	3.61	1.05	1.26	2.73	6.25	4.20	4.62	6.94	18.03	12.47	5.80		2.03	
November,...	21	38.66	36.29	37.47	67, Erasmus Hall.	14, 3 stations.	53	43	1.95	.98	.50	2.76	5.76	4.74	4.26	5.73	18.55	15.51	4.25	2.28	.25	
December,...	19	33.76	23.46	26.61	69, Onondaga.	-17, Middlebury.	86	63	2.00	1.70	1.44	2.20	5.00	4.23	7.23	6.97	13.76	17.24	1.33	5.18	.20	
Mean,....		50.82	47.10	48.71					2.74	1.57	1.17	2.79	5.59	4.52	5.15	6.51	16.09	13.19	5.02	1.59	.12	
1827.																						
January,...	23	22.61	16.95	19.78	53, Lansingburgh.	-32, Cambridge.	85	60	3.47	2.50	1.83	1.71	3.19	3.33	6.86	5.09	13.33	17.67	1.13	5.95	.24	8.77
February,...	24	22.69	84.32	28.50	57, Cherry Valley.	-32, Lowville.	89	56	2.00	1.27	1.97	2.11	4.63	4.70	6.14	6.45	12.15	15.85	2.34	2.70	.68	3.17
March,...	25	32.12	33.53	35.32	74, Onondaga.	-5, Cambridge.	79	61	2.04	1.11	1.39	2.45	4.80	4.20	7.47	7.56	17.89	13.11	2.56	2.26	.30	1.95
April,...	27	43.85	42.18	45.26	79, 2 stations.	12, Johnstown.	67	47	2.56	.98	1.37	2.81	5.14	3.81	6.33	6.23	16.58	13.42	6.08	.58	.21	8.72
May,...	27	50.29	61.11	55.70	93, Hudson.	26, Middlebury.	67	49	4.15	1.24	.98	1.80	4.59	5.06	5.93	6.82	20.11	10.19	4.25	.42	.38	2.81
June,...	30	65.41	64.75	65.08	97, Cortland.	80, 2 stations.	67	47	2.77	.42	.65	2.02	7.07	5.09	3.81	6.22	19.54	10.10	4.82	.03		3.48
July,...	30	72.81	67.23	70.02	98, Montgomery.	32, Fairfield.	66	40	2.64	.64	1.38	2.18	6.22	5.51	7.29	4.96	21.52	9.48	4.63		3.70	
August,...	29	71.44	64.63	69.18	101, Newburgh.	34, St. Lawrence.	67	44	3.12	1.73	1.96	2.02	5.12	5.33	5.59	6.18	20.04	10.96	4.24		4.08	
September,...	30	65.25	54.56	59.90	93, Newburgh.	36, Middlebury.	67	45	4.28	2.32	1.63	1.63	8.44	3.63	5.00	7.17	16.72	13.28	5.50		4.00	
October,...	30	54.51	45.53	50.02	93, Hamilton.	15, Delaware.	62	44	2.68	2.09	1.68	2.73	4.91	5.00	5.01	6.80	13.19	17.81	7.52	.81	.01	
November,...	29	36.68	29.94	33.31	69, Erasmus Hall.	-2, Hamilton.	71	42	3.68	1.36	.58	1.56	3.60	3.00	5.78	10.46	10.96	19.04	3.16	2.58	.48	5.02
December,...	29	34.32	25.58	29.95	58, Onondaga.	-12, 2 stations.	70	49	3.11	3.15	1.19	2.16	4.64	5.48	4.50	7.33	9.61	21.39	3.92	3.06	.85	3.32
Mean,....		48.04	45.44	46.53					3.04	1.65	1.39	2.06	4.73	4.52	5.81	6.94	16.05	14.36	4.18	1.53	.26	3.49
1828.																						
January,...	31	36.56	23.74	30.15	60, Onondaga.	-24, Lowville.	84	58	2.47	1.84	1.71	2.55	5.54	4.81	5.32	6.76	11.26	19.74	3.64	2.74	.55	2.98
February,...	31	35.47	34.50	34.99	63, 2 stations.	-1, Lowville.	64	49	1.48	1.18	1.88	2.52	5.30	5.50	4.42	6.18	12.28	16.77	4.58	2.92	.63	2.94
March,...	31	38.28	42.57	37.92	81, Middlebury.	-2, 2 stations.	83	62	3.80	1.52	2.23	2.04	6.54	4.46	4.07	6.31	17.64	13.36	3.41	1.97	.78	1.80
April,...	30	38.98	46.04	42.51	80, Onondaga.	15, Pompey.	65	37	3.83	2.92	2.20	1.97	3.10	3.80	5.17	7.04	14.75	15.25	4.42	1.35	1.00	2.41
May,...	30	58.47	57.97	58.22	88, Montgomery.	28, 3 stations.	60	41	1.97	1.73	2.70	2.88	6.45	5.27	4.67	5.30	15.63	15.37	7.12			3.25
June,...	30	66.59	74.73	70.66	100, Montgomery.	32, Franklin.	68	47	1.21	.62	1.84	2.22	7.77	7.69	4.91	3.89	20.07	9.93	5.65			3.74
July,...	31	66.77	71.98	69.35	99, Newburgh.	42, Franklin.	57	35	1.57	.69	1.16	1.90	4.95	4.68	6.82	5.18	17.56	13.44	9.06			5.60
August,...	32	70.66	72.88	71.52	98, Montgomery.	42, Hartwick.	56	39	2.16	1.08	.82	1.43	5.63	7.76	6.40	5.84	25.01	5.99	3.66			3.20
September,...	32	61.85	59.86	60.85	97, 2 stations.	19, Hamilton.	78	41	2.78	2.67	1.56	2.39	4.93	6.13	4.68	4.85	15.01	14.99	6.49			5.29
October,...	33	52.08	41.65	46.86	81, Montgomery.	14, 3 stations.	67	49	2.81	1.16	1.14	1.97	6.18	6.15	6.64	6.37	18.97	12.03	3.47	.51	.01	2.11
November,...	32	45.12	33.15	39.13	78, Middlebury.	0, Hamilton.	78	49	1.71	.87	1.72	2.30	5.63	5.44	5.88	5.98	9.30	20.61	5.73	2.27	.75	4.37
December,...	33	38.83	29.75	34.31	63, Middlebury.	-9, St. Lawrence.	72	48	1.47	.44	.74	1.08	5.78	5.35	7.00	5.61	17.34	13.66	1.95	1.00	.18	.60
Mean,....		50.39	49.02	49.70					2.23	1.47	1.64	2.15	5.70	6.17	5.87	5.77	16.24	14.26	4.93	1.06	.35	3.19
1829.																						
January,...	33	20.85	26.09	23.47	59, Hartwick.	-23, 2 stations.	87	58	4.19	2.92	1.59	1.96	4.25	4.49	5.48	5.95	11.88	19.17	1.70	5.39	.89	3.14
February,...	33	19.58	19.10	19.34	70, Middlebury.	-22, Washington.	91	63	2.30	1.80	1.26	1.53	1.86	3.88	7.06	8.33	13.41	14.56	.63	5.06	.29	2.54
March,...	34	31.06	30.85	30.72	70, Middlebury.	-5, Delaware.	75	48	2.09	1.91	1.07	1.60	3.50	4.59	7.07	8.97	15.59	15.41	1.73	2.98	.51	2.04
April,...	34	41.40	50.04	45.72	84, Dutchess.	22, 2 stations.	62	47	2.37	1.84	1.84	1.65	5.25	5.28	6.62	5.20	13.91	16.09	5.66	.66		3.62
May,...	34	52.93	67.25	60.09	97, Montgomery.	24, Cortland.	73	56	2.60	2.08	1.39	2.50	5.58	6.82	5.19	5.09	21.62	9.38	5.03	.08	.14	2.43
June,...	34	68.02	62.47	65.74	98, Oxford.	32, Delaware.	66	42	1.88	1.84	1.54	2.67	4.91	5.25	5.85	6.53	20.09	9.91	5.91			3.36
July,...	34	65.55	69.67	67.28	96, Montgomery.	88, Lowville.	58	38	1.70	1.16	1.28	2.41	4.58	8.35	6.76	4.46	18.68	12.82	6.32			2.16
August,...	33	69.73	65.91	67.82	96, Utica.	36, 2 stations.	60	43	2.57	1.96	1.22	1.91	4.93	7.48	6.16	4.63	23.38	7.62	3.45			3.12
September,...	34	58.28	53.90	56.16	97, Montgomery.	23, Delaware.	75	54	2.11	1.04	.69	1.19	4.07	6.88	6.75	7.29	17.37	12.63	6.12			3.61
October,...	34	50.95	48.87	49.91	82, Delaware.	14, 2 stations.	63	49	1.84	1.94	1.17	2.93	6.53	6.16	4.47	5.82	19.56	11.44	4.71	.20	.05	4.22
November,...	35	37.99	34.19	36.09	68, Albany.	4, Oxford.	62	41	1.44	1.81	1.60	2.21	4.84	7.31	6.20	4.40	16.13	9.57	5.83	1.88	.50	3.66
December,...	36	36.96	25.69	36.32	69, Newburgh.	0, Cortland.	69	51	2.79	2.00	1.19	1.86	5.69	6.33	5.66	4.79	13.61	17.39	3.80	1.75	.47	2.21
Mean,....		46.10	46.99	46.54					2.31	1.56	1.32	2.03	4.88	6.20	6.14	5.96	16.62	13.79	4.19	1.49	.29	2.76

1830.

MONTHS.	Stations reporting.	THERMOMETER.							WINDS. MEAN RESULTS.							WEATHER. MEAN RESULT						
		MEAN TEMPERATURE.			Highest degree.	Lowest degree.	Extreme range.	Mean range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gauge.
		First Half.	Seco'd Half.	Whole Month.																		
January, . . .	86	28.17	16.59	21.75	60, Middlebury.	-33, Lowville.	93	56	2.55	1.81	.97	1.34	5.51	6.15	6.16	6.94	14.41	16.59	.96	6.01	.45	1.85
February, . . .	85	15.13	32.69	23.91	68, Union.	-27, 2 stations.	95	64	2.62	1.87	1.04	1.54	4.97	4.08	4.96	7.82	16.71	11.29	.82	2.56	.22	1.13
March,	85	31.35	40.38	35.86	74, Oxford.	-12, St. Lawrence.	86	58	2.98	2.37	1.68	2.04	6.08	4.62	4.95	6.28	15.71	15.26	8.45	3.26	.37	3.57
April,	85	47.23	56.14	51.68	90, Utea.	21, 4 stations.	69	55	3.98	4.41	2.91	2.47	4.09	8.88	3.47	4.7	19.47	10.53	4.58	.01	.08	1.05
May,	86	56.87	53.77	55.32	86, 4 stations.	24, Lowville.	62	48	3.56	2.05	1.25	2.01	5.55	5.71	5.41	5.17	19.44	11.56	5.49	.01	.02	3.74
June,	89	62.37	63.70	63.03	97, Monticomey.	35, Union L. Soc.	62	41	2.24	1.80	1.29	1.81	5.62	6.12	5.84	5.28	15.59	14.41	9.44			6.15
July,	89	68.22	76.15	72.18	104, Monticomey.	41, Union Hall.	63	42	2.24	2.09	1.20	1.83	5.09	7.29	5.72	6.04	20.76	10.24	6.15			4.15
August,	89	68.52	66.47	67.49	93, Rochester.	36, Union L. Soc.	62	44	4.38	1.65	.73	1.17	5.00	5.13	6.04	6.93	22.22	8.78	3.63			1.55
September, . .	40	62.29	55.55	58.92	90, 2 stations.	19, "	71	47	3.65	2.47	1.00	1.91	6.16	4.79	4.56	5.45	16.59	13.41	5.16			2.63
October,	40	53.58	49.11	51.34	86, Cayuga.	20, "	66	45	3.52	2.41	1.77	2.78	6.58	5.61	4.63	3.75	19.49	11.51	4.86			2.78
November, . . .	40	48.22	42.15	45.18	71, Monticomey.	22, "	49	35	4.05	5.14	3.22	2.50	4.61	3.86	3.86	2.78	10.35	19.65	6.61	1.00	.09	4.91
December, . . .	89	34.52	29.98	32.25	60, 2 stations.	-13, Gouverneur.	73	52	2.60	2.25	1.19	2.02	5.66	4.56	7.06	5.69	8.63	22.37	4.31	3.24	.51	4.03
Mean,		48.04	48.56	48.24					3.22	2.49	1.52	1.90	5.34	5.15	5.22	5.57	16.62	13.80	4.62	1.34	.17	3.20

1831.

January...	37	24.34	16.27	20.80	65, North Salem.	-30, Hartwick.	95	62	4.27	2.93	.78	1.33	2.71	3.65	6.52	8.80	14.74	16.26	1.07	5.39	.52	2.49
February...	39	16.89	25.71	21.80	60, 2 stations.	-23, Hamilton.	83	57	2.32	1.59	.98	1.65	3.31	4.46	7.61	6.23	17.56	10.44	1.31	2.88	.51	2.45
March...	38	37.71	40.43	39.07	75, Kingston.	-2, Lowville.	77	49	1.88	1.00	1.00	2.08	6.77	6.35	6.79	5.13	14.01	16.99	4.00	1.71	.42	1.06
April...	37	45.83	49.97	47.90	56, Fredonia.	16, Middlebury.	70	46	3.32	2.68	1.59	2.17	4.72	4.85	5.26	5.38	14.91	15.09	6.09	1.20	.19	4.10
May...	37	53.77	63.08	58.42	95, Lansingburgh.	24, Hamilton.	71	57	2.05	2.15	1.45	2.18	6.46	6.30	5.54	4.87	18.09	12.91	5.15	.61	.19	2.71
June...	39	71.98	67.96	69.97	96, 4 stations.	30, Lewiston.	66	46	2.61	2.02	1.17	2.82	6.53	5.90	5.40	3.55	19.67	10.33	6.20			3.91
July...	39	69.45	72.02	70.72	95, Cambridge.	33, Hamilton.	67	40	2.04	.70	.30	1.92	7.92	7.35	6.26	3.91	18.86	12.14	7.09			4.42
August...	38	69.40	71.95	70.67	93, Monticomey.	37, Franklin P.	61	43	3.94	2.80	1.37	1.84	5.27	5.65	5.21	5.39	20.53	10.47	4.98			3.51
September...	37	65.08	57.67	61.87	93, Union Hall.	31, Oxford.	58	42	4.38	1.46	.86	1.49	5.76	6.38	5.75	4.92	14.00	16.00	5.75			3.54
October...	39	52.45	51.95	52.20	84, 2 stations.	39, Clinton.	45	48	3.97	1.92	1.18	1.95	6.52	5.45	6.09	4.97	18.64	12.76	5.87	.12	.6	4.34
November...	38	42.35	33.51	38.05	73, Kingston.	8, Lowville.	70	41	2.22	1.06	.98	1.37	8.72	4.22	7.30	3.13	12.12	17.88	2.89	2.62	.75	2.20
December...	39	15.65	16.69	16.17	46, Kingston.	-27, Gouverneur	73	42	3.23	1.95	1.06	1.28	3.72	6.05	6.42	7.29	13.04	17.96	.18	5.68	.26	1.67
Mean...		47.07	47.29	47.13					2.94	1.82	1.06	1.34	5.28	5.66	6.15	5.71	16.35	14.10	4.21	1.69	.27	3.15

1832.

January...	38	25.44	23.69	24.56	70, Fredonia.	-30, Gouverneur.	100	65	8.37	1.86	1.41	1.57	6.29	5.79	5.40	5.31	14.14	16.86	1.75	4.01	.25	2.82
February...	37	26.74	22.83	24.53	59, Erasmus Hall.	-30, "	89	58	4.32	2.93	1.29	1.66	4.73	3.82	4.99	5.26	9.65	19.35	2.53	5.45	.33	3.23
March...	38	34.77	35.24	35.00	76, Cayuga.	-15, "	91	64	2.60	1.29	1.15	2.19	3.33	5.18	4.33	5.98	17.22	13.78	2.77	2.54	.44	2.05
April...	37	41.46	45.45	43.47	86, Dutchess.	9, Cortland.	77	59	4.47	4.13	1.50	1.42	3.97	4.00	4.05	6.15	16.88	13.12	5.54	.39	.02	2.99
May...	37	55.64	54.12	54.83	90, Onondaga.	24, Delaware.	66	49	4.89	2.20	1.43	2.65	5.82	4.19	4.19	5.63	18.09	12.97	5.80	.18	.05	3.15
June...	38	62.25	62.47	64.83	94, Redhook.	32, 2 stations.	62	45	2.89	2.12	1.37	1.84	6.05	5.68	5.47	4.63	20.67	9.33	3.61			1.72
July...	38	60.74	67.39	68.81	95, Dutchess.	41, Buffalo.	58	41	2.63	.96	.87	2.08	5.67	6.36	6.36	6.07	18.57	12.43	6.16			4.00
August...	38	70.76	66.86	68.62	95, Onondaga.	32, Oxford.	63	44	2.14	1.47	.96	2.53	7.97	7.56	4.12	4.20	20.34	10.66	5.05			4.00
September...	38	53.48	62.13	60.30	96, Delaware.	30, Lowville.	65	46	1.98	1.21	.66	2.34	7.29	6.76	4.98	4.78	19.13	10.87	4.53	.05		2.75
October...	37	52.19	48.28	50.23	90, Monticomey.	15, 2 stations.	64	49	4.12	1.95	1.20	3.09	6.25	5.88	3.32	5.19	17.05	13.95	5.29			.01
November...	40	40.86	38.24	39.55	70, 2 stations.	6, St. Lawrence.	64	45	2.54	1.41	.77	1.94	6.44	6.15	5.12	5.08	12.55	17.45	4.65	1.87	.25	3.22
December...	38	33.44	27.11	30.25	56, Erasmus Hall.	-12, 3 stations.	68	42	4.64	2.55	1.49	2.26	5.24	4.22	4.34	6.26	10.53	20.47	3.74	2.79	.48	3.00
Mean...		47.66	46.49						3.41	2.01	1.17	2.13	6.17	5.46	4.72	5.42	16.23	14.27	4.29	1.87	.21	3.0

1833.

January...	38	32.17	25.97	29.07	71, Ithaca.	-31, Gouverneur.	102	66	2.50	2.04	.87	3.01	6.79	5.94	4.06	5.79	11.39	19.61	2.13	3.55	.40	2.20
February...	40	20.20	24.53	22.36	60, Cortland.	-32, "	92	54	3.47	2.24	.90	1.90	4.15	5.51	4.56	7.20	13.82	14.18	.57	4.25	.28	1.98
March...	41	23.56	30.49	31.72	74, Middlebury.	-30, "	104	68	3.24	1.96	1.25	2.53	6.63	9.85	5.24	6.16	17.62	13.38	1.60	2.65	.24	1.62
April...	41	46.88	52.94	49.91	88, Ithaca.	13, "	85	59	2.69	1.78	1.31	2.75	6.79	4.94	4.38	5.83	20.51	9.43	2.71	.22	.32	1.31
May...	41	58.84	61.84	60.34	92, Hamilton.	26, Cambridge.	66	48	2.71	3.24	1.88	3.73	7.05	5.00	3.29	4.10	15.89	15.11	6.93			.01
June...	40	59.24	63.12	61.18	92, 2 stations.	40, Bridgewater.	62	44	3.10	1.05	.83	2.47	5.55	4.75	4.47	6.06	17.75	12.25	4.99	.01		3.24
July...	41	68.54	68.13	68.48	92, Monticomey.	30, 2 stations.	57	41	2.35	1.48	.53	1.73	5.41	7.62	6.09	5.59	19.71	11.29	5.75			4.41
August...	41	66.54	64.62	65.58	93, "	33, Springville.	65	43	3.52	1.53	.58	2.59	4.56	6.85	4.75	6.62	19.94	11.06	4.78			3.29
September...	43	59.09	59.99	59.54	93, "	28, Bridgewater.	65	45	3.28	1.52	.76	1.72	4.84	6.12	5.65	6.12	19.23	10.77	4.09			2.98
October...	43	52.01	43.52	47.76	84, Cayuga.	15, Gouverneur.	69	48	2.58	1.80	.94	2.94	5.22	5.25	4.96	6.14	11.98	19.02	6.14	.75	.44	5.11
November...	43	42.15	32.42	37.30	72, Cayuga.	-2, 2 stations.	74	49	2.75	2.10	.52	2.09	5.37	6.28	6.13	4.76	13.76	16.24	2.23	2.44	.60	2.13
December...	43	28.87	29.59	29.33	64, Hudson.	-16, 2 stations.	80	40	4.44	5.56	2.42	2.46	2.81	3.09	4.72	5.50	10.41	20.59	1.23	3.01	.42	2.58
Mean...		46.53	47.24	46.88					3.04	2.19	1.07	2.49	5.41	5.36	5.02	5.81	16.01	14.41	3.60	1.41	.22	3.03

1834.

January...	42	21.57	22.99	22.43	58, Cayuga.	-17, St. Lawrence.	75	51	2.55	2.37	1.24	1.79	3.79	5.58	6.44	7.21	15.70	15.30	2.82	2.92	.22	1.75
February...	42	30.32	35.21	32.76	70, Middlebury.	-16, 2 stations.	80	56	2.90	2.53	.87	2.45	5.37	5.25	4.00	4.61	14.14	13.86	2.37	1.53	.13	1.24
March...	42	35.82	36.20	36.01	72, Oyster Bay.	-4, Union L. Soc.	76	52	2.46	1.02	.90	2.43	5.81	6.51	5.19	6.63	17.24	13.76	2.64	2.51	.31	1.11
April...	40	49.43	46.65	45.04	89, Montgomery.	-18, 2 stations.	71	52	3.22	4.32	2.39	2.41	4.09	4.49	4.08	5.05	16.06	14.04	5.39	5.09	.02	1.72
May...	41	47.77	62.56	55.16	61, Kinderhook.	-15, Redhook.	46	60	4.22	4.42	1.50	2.87	5.50	6.26	4.90	5.13	17.33	15.45	4.59	.65	.01	8.26
June...	41	61.23	64.55	62.89	96, Montgomery.	-23, Union L. Soc.	73	46	2.55	1.40	1.27	2.75	4.15	5.85	5.65	5.85	17.23	12.17	6.50		.01	4.29
July...	41	73.21	72.51	72.86	101, 2 stations.	-34, Cherry Valley.	47	46	2.92	1.97	.78	2.29	5.52	7.68	5.01	4.88	22.32	8.61	4.51			3.83
August...	41	73.32	64.15	72.08	99, Montgomery.	-33, Bridge-water.	66	47	4.48	2.59	.82	2.17	4.17	5.15	5.12	6.53	25.07	6.92	2.33			1.74
September...	41	63.13	53.13	60.63	92, Kinderhook.	-17, Oxford.	75	57	1.31	1.61	.96	3.23	6.38	6.23	5.45	5.20	14.64	12.96	5.04			2.97
October...	42	51.21	42.67	46.94	80, 3 stations.	-11, Gouverneur.	69	52	3.11	1.11	.99	1.89	5.97	6.00	4.80	6.63	16.64	16.31	5.53	.28	.28	3.23
November...	42	39.25	34.53	36.90	73, Fredonia.	-2, 2 stations.	71	43	4.39	2.76	.88	1.78	3.71	4.39	4.75	7.37	17.17	17.88	4.00	4.06		4.61
December...	42	30.59	22.77	26.68	56, Oyster Bay.	-27, Gouverneur.	82	54	4.68	3.58	1.20	1.29	3.36	5.57	4.54	6.87	9.92	21.48	1.59		.24	2.18
Mean...		48.69	46.92	47.51					3, 12	2, 39	1, 15	2, 27	4, 82	5, 74	4, 92	6, 04	16, 59	13, 84	4, 00	1, 20	, 12	2, 54

1835.																							
MONTHS.	Stations reporting.	THERMOMETER.						WINDS. MEAN RESULTS.								WEATHEE. MEAN RESULTS.							
		MEAN TEMPERATURE.			Highest degree.	Lowest degree.	Extreme range.	Mean range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage.	
		First Half.	Seco'd Half.	Whole Month.																			
January, ..	46	14.48	33.93	24.20	64, Montgomery.	-36, 2 stations.	100	71	4.36	2.46	1.19	2.27	4.64	5.12	5.56	5.37	16.08	14.97	3.29	1.59	.38	2.68	
February, ..	46	14.42	27.31	20.86	58, Ithaca.	-27, Gouverneur.	87	56	2.41	2.78	.90	1.44	3.17	5.78	5.96	5.65	11.68	16.32	1.18	4.95	.22	1.74	
March,	46	31.43	40.73	40.58	70, Springville.	-24, Union Hall.	92	57	3.47	3.04	1.52	1.75	3.51	5.96	6.15	5.59	16.80	14.20	1.10	2.85	.44	1.98	
April,	41	49.36	40.94	42.15	51, Redhook.	9, Oxford.	72	52	1.96	2.79	1.94	2.39	4.22	4.98	5.90	5.97	14.20	15.80	5.05	2.71	.09	4.03	
May,	45	47.10	61.19	54.14	94, Montgomery.	16, Cortland.	73	52	2.32	2.98	1.79	1.86	3.74	5.51	5.58	6.62	21.12	9.88	4.44	.01	.05	1.00	
June,	46	67.99	62.21	65.10	97, "	37, Clinton.	60	45	2.21	1.50	1.15	2.32	5.35	6.61	5.83	5.01	18.05	11.95	5.03			4.78	
July,	46	67.66	71.72	69.69	98, Redhook.	33, Redhook.	65	41	1.86	1.10	.85	1.90	5.41	8.75	6.98	4.15	19.33	11.67	6.16	.02		3.61	
August,	46	66.36	65.45	65.90	98, 2 stations.	32, Oneida C. S.	66	45	3.06	1.45	1.04	2.03	5.38	7.28	6.13	5.65	19.32	10.65	5.85			3.96	
September, ..	46	59.13	54.74	56.93	94, Canajoharie.	22, 2 stations.	72	53	2.30	1.23	.78	2.57	5.20	7.14	5.33	5.45	18.18	11.87	3.50	.02	.18	1.81	
October,	46	49.55	54.64	52.09	88, Ithaca.	22, 2 stations.	68	49	2.44	1.73	1.26	1.28	1.90	7.06	3.96	8.37	16.59	14.11	4.63	.02		5.32	
November, ..	46	44.51	31.84	38.17	79, Mount Pleasant.	-17, Gouverneur.	96	60	2.81	2.44	1.20	2.09	5.42	5.92	5.41	4.71	11.39	18.61	8.29	2.50	.40	2.15	
December, ..	46	20.17	23.59	22.03	52, Middlebury.	-40, 2 stations.	92	58	3.21	1.59	1.20	1.89	5.16	5.77	5.45	6.73	10.06	20.94	2.19	4.66	.18	1.65	
Mean, ...		43.85	48.13	45.93					2.67	2.69	1.22	2.15	4.92	6.38	5.69	5.35	16.08	14.25	3.80	1.61	.15	2.79	

1836.																						
January, ..	32	29.45	17.74	23.59	43, 2 stations.	-36, Oxford.	84	53	3.68	3.54	1.43	2.32	3.76	3.73	6.40	6.14	9.60	21.40	1.27	7.45	.60	4.59
February, ..	33	13.88	20.80	17.34	66, Lewiston.	-34, Union L. S.	100	66	3.58	2.59	1.70	2.05	2.89	3.81	5.83	6.55	12.60	16.40	1.65	4.53	.26	2.60
March,	33	23.41	30.69	27.05	70, "	-11, Oneida Ins.	81	55	2.45	1.54	1.62	2.40	5.25	5.11	7.02	5.61	16.67	14.33	1.92	3.12	.24	1.30
April,	33	57.04	47.72	42.33	57, Canandaigua.	3, St. Lawrence.	51	58	3.14	1.53	1.59	3.24	5.74	4.64	4.82	5.50	17.12	12.38	3.89	1.92	.45	2.24
May,	33	56.42	59.56	57.99	92, Montgomery.	25, 2 stations.	67	58	3.06	3.60	2.96	3.53	4.55	4.89	4.30	4.01	17.65	13.35	4.21	.02	.03	3.42
June,	33	64.74	63.50	64.12	94, 2 stations.	32, Hamilton.	62	46	2.09	4.98	3.05	3.05	3.73	3.87	2.63	2.85	13.67	16.33	7.92			4.59
July,	33	71.90	67.06	69.48	93, Granville.	40, Union L. S.	53	42	3.31	3.67	1.02	2.79	5.59	4.52	4.43	4.04	9.36	21.64	5.06			2.58
August,	33	61.19	62.49	63.34	94, 2 stations.	30, "	64	41	2.39	1.87	1.24	2.85	5.78	4.87	6.02	5.88	19.50	11.50	4.06			1.57
September, ..	33	60.80	59.48	60.13	97, Montgomery.	26, 2 stations.	71	58	2.22	3.00	1.95	3.35	6.16	5.22	4.13	4.17	13.59	16.41	6.50	.15	.09	2.50
October,	33	44.90	34.84	39.87	51, Granville.	11, Hamilton.	70	46	3.28	2.87	.98	2.04	4.32	4.85	5.88	6.7	15.20	15.80	4.35	1.20	.58	2.03
November, ..	33	39.34	31.71	35.52	80, "	8, Fairfield.	72	46	2.92	1.40	1.12	2.60	4.78	4.44	6.98	6.76	11.71	18.29	3.41	2.09	.14	1.95
December, ..	33	31.29	21.99	26.64	84, Clinton.	-19, Granville.	103	57	2.22	1.14	1.04	2.65	5.58	4.55	6.42	7.40	10.14	20.56	2.29	3.26	.77	2.71
Mean,		44.79	43.13	43.96					2.90	2.55	1.83	2.92	4.59	4.49	5.49	5.48	13.90	16.54	3.88	1.98	.27	2.75

1837.																						
January, ..	34	17.08	20.84	18.98	78, Utica.	-26, Cambridge.	104	55	2.95	2.01	1.42	1.60	3.85	3.17	5.70	10.30	12.85	18.65	.21	5.46	.07	1.97
February, ..	34	23.00	24.95	23.97	64, "	-32, Oneida Ins.	96	55	2.95	2.22	1.42	1.87	4.83	4.82	4.66	5.23	12.01	15.99	1.29	4.12	.25	1.99
March,	34	26.46	34.36	30.41	62, 2 stations.	-23, St. Lawrence.	90	60	4.05	2.36	1.92	2.84	3.64	3.29	6.49	6.41	15.40	15.60	4.32	1.50	.66	3.11
April,	34	39.38	39.98	39.98	79, Montgomery.	13, Lowville.	66	49	2.99	1.25	.75	1.26	3.67	4.63	6.51	8.91	15.56	14.44	2.66	1.26	.49	1.55
May,	34	52.23	55.12	53.67	98, Lewiston.	17, Oneida C. S.	79	53	2.44	1.73	2.40	3.70	6.88	3.95	4.29	5.61	15.26	15.74	7.80	.10		4.21
June,	34	65.72	62.78	64.25	98, Montgomery.	40, Cortland.	58	40	2.86	2.32	1.43	2.06	6.40	5.11	5.60	3.86	15.60	14.40	7.82			4.39
July,	34	66.17	68.13	67.15	96, Rensselaer.	30, "	56	38	2.31	1.38	1.01	2.22	5.51	5.29	6.66	6.67	19.10	11.90	4.26			3.69
August,	34	67.34	61.73	62.54	96, 2 stations.	44, "	62	42	3.15	1.31	1.60	2.35	5.79	5.95	6.16	6.67	17.09	13.91	5.43			5.12
September, ..	34	60.73	57.40	59.07	97, Kinderhook.	23, Cambridge.	58	43	2.67	2.28	1.72	3.07	7.41	4.23	4.22	4.53	17.99	12.01	3.93			2.05
October,	34	46.32	47.24	46.73	87, Montgomery.	0, Utica.	57	54	4.24	2.82	1.62	2.86	5.09	3.87	4.40	6.02	16.19	14.81	5.91	.06	.04	3.29
November, ..	34	39.67	39.67	39.37	79, "	6, 2 stations.	57	34	3.41	1.84	.82	1.58	6.24	4.82	6.75	6.06	12.76	17.24	3.32	1.74	.21	2.01
December, ..	34	39.19	39.99	39.59	64, Fredonia.	-26, 2 stations.	90	56	3.33	1.74	.94	1.87	4.16	4.01	6.26	8.21	11.81	19.19	1.48	3.65	.21	2.26
Mean,		45.27	46.02	45.64					3.11	1.87	1.89	1.23	5.21	4.45	5.58	6.59	15.09	16.35	3.99	1.49	.16	2.99

1838.																						
January, ..	33	34.30	26.48	30.39	66, 2 stations.	-28, 2 stations.	94	62	2.26	1.71	1.07	1.50	6.79	5.36	5.65	5.44	13.52	17.48	4.08	2.59	.36	1.69
February, ..	33	19.11	12.70	15.90	57, 2 stations.	-23, Gouverneur.	80	51	2.59	2.88	.58	.98	2.38	3.32	6.48	9.29	12.89	15.61	.23	5.42	.05	1.88
March,	33	33.74	37.41	35.57	71, Fredonia.	-18, "	89	66	4.27	4.65	2.17	2.73	3.61	4.03	4.38	5.21	16.08	14.97	1.02	6.05	.65	1.69
Aprl,	33	37.42	39.47	38.44	75, Kingston.	10, Pompey.	65	48	3.04	1.97	1.48	2.06	2.56	1.09	5.68	8.83	15.66	14.94	3.05	1.41	.82	1.49
May,	33	49.16	55.66	52.41	97, Washington.	22, Oxford.	75	52	2.92	2.71	1.11	2.52	5.24	6.27	5.42	4.74	14.71	16.29	7.98	.05	.03	4.84
June,	33	66.97	69.85	68.16	97, Rochester.	39, "	58	42	2.81	1.84	.59	2.29	5.62	1.39	5.06	4.90	19.67	11.33	5.95			4.28
July,	33	74.09	71.29	72.69	101, 2 stations.	42, Gouverneur.	59	48	2.88	1.42	.59	1.61	5.05	7.62	5.72	6.11	20.73	10.27	4.55			2.44
August,	33	74.06	67.62	70.84	99, Montgomery.	36, "	63	45	2.53	1.92	1.01	1.89	4.80	6.11	5.80	7.86	21.27	9.73	4.73			3.51
September, ..	33	62.89	59.74	61.06	96, "	27, "	69	45	3.03	3.99	1.68	2.02	3.56	5.06	4.33	6.83	19.03	10.97	4.17			3.41
October,	33	51.20	39.98	45.59	35, "	10, "	75	49	2.34	1.92	.88	1.75	4.27	7.04	5.82	6.98	12.70	18.30	6.56	.89	.27	3.66
November, ..	33	39.17	26.81	32.99	67, "	-12, "	79	53	3.80	1.62	.99	1.93	4.88	5.89	5.21	7.18	12.14	17.86	4.11	2.62	.29	2.92
December, ..	33	25.72	19.09	22.40	50, Mount Pleasant.	-30, "	80	46	2.09	1.29	.80	1.59	4.27	7.81	6.50	7.15	12.24	18.76	.44	5.50	.17	1.12
Mean,		47.23	43.80	45.54					2.64	2.29	.99	1.93	4.36	5.83	5.50	7.00	15.79	14.65	8.90	1.79	.15	2.65

118

1845.																						
MONTHS.	Stations reporting.	THERMOMETER.						WINDS. MEAN RESULTS.								WEATHER. MEAN RESULTS.						
		MEAN TEMPERATURE.			Highest degree.	Lowest degree.	Extreme range.	Mean range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage.
		First Half.	Seco'd Half.	Whole Month.																		
January, ..	35	23.07	25.33	26.70	54, 2 stations.	-23, Gouverneur.	77	49	3.80	3.54	1.60	1.64	3.71	4.71	5.13	6.97	11.26	19.74	3.61	7.00	1.00	2.89
February, ..	35	15.38	33.05	26.71	70, Middlebury.	-20, "	100	65	2.88	2.46	1.27	2.08	3.80	4.36	5.01	6.15	12.49	15.51	2.46	4.67	.42	2.63
March,	35	37.07	39.01	38.04	80, Millville.	8, Cortland.	77	61	2.41	1.74	1.16	2.00	5.76	5.44	5.49	7.00	13.57	17.43	8.31	5.49	.90	2.62
April,	35	39.69	52.02	45.85	85, Ithaca.	16, 2 stations.	69	55	2.21	2.03	1.49	2.70	4.40	4.37	5.09	7.71	14.39	15.61	7.13	3.24	.25	2.29
May,	35	55.94	52.22	54.08	98, Newburgh.	18, Mexico.	80	67	4.23	1.65	.54	1.37	4.70	6.00	4.92	7.59	13.01	12.99	7.57	.87	.40	2.52
June,	35	68.08	61.15	64.59	99, Lansingburgh.	32, Hamilton.	67	46	2.04	.73	.73	1.56	5.51	7.65	6.36	5.42	19.56	10.44	10.43			2.89
July,	35	70.28	69.57	69.92	102, 3 stations.	40, Oneida C.	62	46	2.39	.55	.45	1.36	4.88	7.35	6.19	7.53	20.76	10.24	6.44			2.74
August,	35	71.01	69.11	70.06	104, Lansingburgh.	42, Cortland.	62	41	2.77	1.77	1.64	2.91	6.37	7.10	5.71	4.53	15.93	10.01	5.47			1.92
September, ..	35	61.12	57.17	59.14	89, "	31, Johnstown.	59	45	2.56	1.60	.66	2.40	5.67	6.25	5.51	6.37	15.93	14.07	9.69		.06	8.64
October,	35	54.97	45.67	50.32	88, Dutchess.	13, Washington.	75	51	2.43	1.14	1.26	2.56	5.91	7.31	5.11	4.98	18.63	12.37	6.54	.30	.13	2.58
November, ...	35	43.42	36.61	40.01	75, Lansingburgh.	-12, Fairfield.	57	50	2.63	1.53	.87	1.51	4.80	7.26	5.57	5.83	11.84	18.66	6.54	2.89	.66	8.51
December, ...	35	29.68	22.55	21.61	50, 2 stations.	-28, Gouverneur.	78	49	4.43	2.21	1.27	1.53	3.56	5.26	6.22	6.42	12.27	18.73	1.13	7.10	.51	2.06
Mean,		47.14	47.37	47.25					2.90	1.69	1.08	1.99	4.92	6.09	5.37	6.37	15.77	14.65	5.89	2.50	.36	2.69
1846.																						
January, ..	29	30.62	21.94	26.28	60, Cayuga.	-24, Granville.	84	53	3.95	2.48	.48	1.86	3.91	5.78	5.12	7.42	12.15	18.85	3.14	5.48	.95	2.36
February, ..	29	25.90	18.54	22.37	58, Union Hall.	-25, "	83	52	3.71	2.98	1.00	1.31	2.86	4.71	4.15	7.27	13.33	14.67	.19	6.48	.36	2.25
March,	29	32.26	39.38	35.82	70, Fredonia.	-22, St. Lawrence.	92	62	2.91	2.10	.82	2.60	4.81	5.27	4.92	7.31	17.96	13.04	4.53	1.62	.39	2.60
April,	29	44.43	54.29	49.36	88, Lansingburgh.	18, Oneida C. S.	70	45	3.26	2.08	.93	2.86	4.72	5.95	4.17	5.66	18.81	11.19	4.67	1.02	.11	1.14
May,	29	57.70	61.18	59.44	92, 2 stations.	26, "	66	51	3.12	2.69	1.06	4.03	6.22	5.10	3.93	5.19	14.81	16.19	10.26	.18	.01	3.92
June,	29	65.25	65.42	65.33	94, Lansingburgh.	36, 2 stations.	58	42	3.38	2.43	.98	2.67	5.28	6.72	3.25	6.29	16.05	13.95	7.88			2.63
July,	29	70.85	69.01	69.93	101, "	38, Oneida C. S.	63	45	3.47	2.45	.74	2.73	5.07	6.21	4.34	5.93	17.39	13.61	9.23			4.25
August,	29	72.52	68.63	70.57	98, Dutchess.	33, "	65	52	3.19	2.55	.78	3.12	5.48	6.79	4.38	4.71	19.72	11.28	6.79			2.78
September, ..	29	72.66	59.67	65.16	100, "	28, Hamilton.	72	50	2.81	2.15	.58	1.69	6.90	7.47	4.14	4.26	20.14	9.86	5.89			2.10
October,	29	54.55	42.19	48.37	83, "	12, Lowville.	53	44	3.76	2.40	.66	2.21	5.53	6.69	3.77	5.38	14.45	16.55	6.45	.91	.51	3.24
November, ...	29	36.89	36.89	36.89	73, Lowville.	7, Hudson.	65	44	3.76	2.41	1.28	3.39	3.83	3.26	3.19	5.91	7.56	22.14	7.29	2.21	.67	4.72
December, ...	29	28.72	28.97	28.84	58, Ithaca.	-11, Washington.	69	43	3.95	2.15	.64	2.95	4.81	2.37	5.00	9.63	10.76	20.24	8.65	5.98	1.12	2.39
Mean,		49.36	47.20	48.28					3.44	2.69	.83	2.62	4.87	5.53	4.19	6.31	15.29	15.13	5.88	1.98	.89	2.83
1847.																						
January, ..	25	29.27	21.11	25.19	62, Erasmus Hall.	-17, Lowville.	79	50	2.44	1.60	.75	1.72	4.32	6.66	6.12	7.36	13.26	17.74	3.52	5.02	1.60	3.04
February, ..	25	27.02	23.00	25.01	54, Newburgh.	-26, Washington.	80	55	3.56	4.04	1.24	1.84	3.06	4.00	4.06	6.20	8.66	19.44	1.52	7.36	1.28	3.29
March,	25	27.88	32.78	30.33	61, Dutchess.	-4, 2 stations.	85	46	4.22	3.12	.80	1.48	3.82	4.15	7.76	8.62	15.44	16.56	3.16	4.20	.80	2.54
April,	25	41.01	43.93	42.47	54, Washington.	4, Granville.	85	65	2.60	1.46	.60	1.08	5.62	6.20	3.92	8.32	15.92	14.08	3.16	2.02	.68	1.79
May,	25	55.95	60.45	58.22	98, Union Hall.	23, Fairfield.	70	50	2.98	5.12	2.13	3.56	5.04	5.42	3.06	8.64	18.50	12.50	4.94	.04	.08	2.00
June,	25	61.27	66.65	63.96	98, "	24, Springfield.	64	56	2.12	1.24	.44	2.14	6.78	6.80	4.52	5.96	14.60	15.36	6.74			1.12
July,	25	72.75	71.63	72.20	99, 2 stations.	38, "	61	46	3.68	2.86	1.16	2.66	7.02	7.72	4.34	4.36	20.16	10.14	10.02			3.15
August,	25	70.56	66.39	68.62	95, Lowville.	42, Lowville.	58	39	3.63	2.46	.84	3.12	5.54	5.50	3.36	4.12	20.02	10.98	6.44			2.99
September, ..	25	63.45	56.55	60.15	92, Dutchess.	30, "	62	46	3.92	3.52	1.24	2.74	4.58	5.12	6.26	6.22	13.62	16.18	9.70			5.13
October,	25	49.35	44.04	46.99	80, St. Lawrence.	18, St. Lawrence.	68	60	2.10	2.10	1.44	3.08	5.48	5.82	3.84	7.14	16.64	14.36	7.46	.40	.28	3.39
November, ...	25	46.57	37.33	42.95	76, 2 stations.	-17, Cortland.	66	22	2.20	.88	.62	2.22	4.44	7.16	4.24	8.24	9.68	20.32	6.80	1.68	.64	2.59
December, ...	25	39.12	25.83	32.47	66, 2 stations.	-12, Lowville.	78	57	3.54	3.83	.62	1.70	6.38	7.22	2.78	5.38	7.78	23.22	7.00	4.86	.80	4.28
Mean,		48.76	45.83	47.29					3.05	2.66	1.00	2.28	5.17	6.23	4.51	6.22	14.53	15.91	5.87	2.13	.52	3.15
1848.																						
January, ..	25	26.67	31.50	24.08	63, Fredonia.	-30, Granville.	93	63	2.58	1.88	1.46	3.12	5.58	5.28	3.22	7.88	12.44	18.56	3.96	4.33	.54	1.95
February, ..	25	24.96	28.56	26.76	54, Lewiston.	-15, St. Lawrence.	69	50	3.07	2.53	1.26	1.79	2.80	3.49	4.30	9.77	16.44	12.56	1.67	5.50	.50	1.39
March,	25	25.77	36.61	31.19	76, 2 stations.	-11, Oneida Conf.	87	67	2.60	3.24	1.44	2.10	4.54	4.02	4.86	8.20	13.54	17.46	4.17	5.21	.90	2.15
April,	25	44.56	46.09	45.32	56, Lowville.	20, 3 stations.	66	47	2.46	1.86	2.00	1.76	3.70	3.90	5.28	9.04	19.06	10.94	4.08	1.17	.70	1.02
May,	25	55.44	64.01	59.77	94, Newburgh.	30, Mexico.	64	51	2.38	1.80	1.14	2.76	6.34	5.48	4.38	6.72	14.48	16.52	12.50	.04	.04	4.95
June,	25	61.82	61.61	61.71	101, "	81, Fairfield.	70	51	1.92	.60	.58	1.02	5.38	5.80	5.98	8.12	17.90	12.10	8.67			3.97
July,	25	67.84	69.28	68.91	99, "	46, "	53	36	1.40	1.70	1.16	3.92	5.98	7.44	4.88	4.52	16.55	14.15	10.50			4.91
August,	25	76.69	66.74	71.73	98, "	46, 4 stations.	52	38	2.46	2.22	1.32	3.62	7.54	6.48	3.16	4.20	21.64	9.36	5.62			2.45
September, ..	25	61.69	51.91	56.80	95, "	25, Oneida Conf.	70	49	3.85	1.15	.49	1.90	3.87	5.22	5.62	8.40	15.36	14.64	9.71			2.57
October,	25	52.42	47.71	50.06	80, Granville.	24, "	56	41	2.82	2.40	.98	2.40	5.06	4.18	5.24	7.92	13.94	17.06	9.88	.04	.38	8.12
November, ...	25	35.25	35.83	35.54	66, Erasmus Hall.	2, Fairfield.	45	39	2.42	1.64	.98	2.50	4.48	5.76	5.12	7.10	11.42	18.58	4.19	3.79	.83	2.05
December, ...	25	38.70	30.03	34.36	70, 2 stations.	-14, St. Lawrence.	84	58	2.90	3.53	1.20	3.44	4.95	5.22	5.05	4.72	8.48	22.52	6.71	6.54	1.29	4.45
Mean,		47.65	47.55	47.60					2.53	2.04	1.16	2.44	5.26	5.19	4.65	7.21	15.11	15.37	6.80	2.22	.45	3.24
1849.																						
January, ..	23	17.55	25.71	21.63	58, Union Hall.	-22, Granville.	80	59	3.42	1.68	.31	2.15	3.44	5.09	4.00	10.91	13.04	17.96	4.17	5.22	.52	1.87
February, ..	23	19.88	21.81	20.84	60, 2 stations.	-24, 2 stations.	84	59	3.96	4.33	.90	3.37	3.67	3.54	3.89	5.28	12.26	15.74	4.91	5.88	.73	1.51
March,	23	31.51	39.38	35.44	71, Union Hall.	3, Oneida Conf.	68	47	3.89	3.40	.94	3.26	4.02	3.56	3.65	7.33						

1850.																						
MONTHS.	Stations reporting.	THERMOMETER.							WINDS. MEAN RESULTS.							WEATHER. MEAN RESULTS.						
		MEAN TEMPERATURE.			Highest degree.	Lowest degree.	Extreme range.	Mean range.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Clear.	Cloudy.	Rain.	Snow.	Rain and snow.	Rain gage.
		First Half.	Seco'd Half.	Whole Month.																		
January, ..	9	28, 85	83, 60	31, 22	62, Cayuga.	- 4, Lansingburgh.	66	46	2, 89	2, 61	1, 88	3, 11	4, 83	4, 95	3, 17	7, 61	9, 28	21, 72	5, 61	5, 39	1, 11	2, 58
February, ..	9	28, 39	82, 05	30, 22	63,	- 6,	69	52	2, 61	1, 11	55, 2	39, 4	3, 39	6, 00	6, 25	12, 17	15, 33	3, 38	4, 44	1, 77	2, 77	
March,	9	33, 42	83, 67	33, 54	72, Lansingburgh.	- 6, Cortland	78	55	3, 88	1, 66	1, 11	1, 44	1, 66	4, 55	5, 06	10, 05	14, 55	16, 45	2, 44	5, 66	8, 88	
April,	9	38, 15	47, 00	42, 57	80,	9, Springville.	71	58	2, 44	2, 50	9, 44	2, 16	4, 55	6, 16	4, 00	7, 11	14, 66	15, 34	5, 16	3, 89	94, 2, 58	
May,	9	51, 71	55, 14	53, 42	85,	24,	61	45	2, 94	3, 00	1, 22	2, 11	3, 22	4, 66	5, 66	8, 25	11, 25	12, 72	12, 23	89	44, 5, 51	
June,	9	65, 26	71, 19	68, 22	96, Cayuga.	87, Cortland.	59	46	2, 05	1, 11	44,	78	4, 25	5, 44	5, 28	5, 50	12, 72	10, 28	8, 72		2, 98	
July,	9	71, 75	72, 78	72, 24	98, Union Hall.	48, Hartwick.	50	87	2, 44	3, 17	72,	2, 06	5, 06	9, 33	3, 44	4, 75	17, 33	13, 75	10, 78		5, 80	
August,	9	74, 61	66, 21	70, 41	93,	42, 2 stations.	51	40	1, 61	1, 28	61,	2, 17	8, 11	5, 28	5, 50	5, 33	20, 67	10, 33	7, 78		8, 68	
September, ..	9	65, 01	59, 75	62, 38	88, Cayuga.	25, Springville.	63	46	2, 99	1, 72	1, 33	1, 44	4, 61	5, 55	5, 89	6, 44	17, 05	12, 95	8, 39		4, 69	
October,	9	51, 82	49, 09	50, 45	79, Lansingburgh.	22,	57	45	2, 50	1, 11	38	1, 44	8, 55	7, 28	6, 33	8, 39	17, 11	13, 89	9, 61	11,	28, 8, 36	
November, ..	9	45, 83	38, 70	42, 26	74, Rochester.	5,	67	47	3, 05	1, 67	83	1, 61	4, 17	6, 05	4, 67	7, 94	13, 78	16, 22	5, 89	1, 44	28, 8, 11	
December, ..	9	31, 18	23, 11	27, 14	54, 2 stations.	- 22, Lansingburgh.	76	51	4, 11	3, 28	94	1, 66	3, 50	4, 44	4, 00	9, 05	7, 00	24, 00	8, 89	10, 39	83, 4, 46	
Mean,		48, 83	48, 52	48, 67					2, 88	2, 02	1, 57	1, 95	3, 91	5, 93	5, 05	7, 06	14, 55	15, 87	6, 99	2, 60	55,	3, 63

SOLAR AND LUNAR HALOES.

YEARS.	JAN.		FEB.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUGUST.		SEPT.		OCTOBER.		NOVEMBER.		DECEMBER.	
	Solar.	Lunar.	Solar.	Lunar.	Solar.	Lunar.	Solar.	Lunar.	Solar.	Lunar.	Solar.	Lunar.	Solar.	Lunar.	Solar.	Lunar.	Solar.	Lunar.	Solar.	Lunar.	Solar.	Lunar.	Solar.	Lunar.
1826		1							1								1							
1827																								
1828	1	3		1			2	3										2			1			2
1829					1		1	1		1		1					2			1				
1830				2		3		2	2	3			1	1	1		1			1				1
1831	3		1	2	2	4	1		1	2			1			1								
1832		1				1		1						1			1	1						
1833	1	2	2	1	1	2	1	2		1				1		1	1		1					
1834	1	1		4	1	1	2	1					1			2		1			1	2	2	1
1835	2	3	1	4	4	1	1			1	1	1					2		1	1				
1836				1		2	1	2		1	1				1		1	1	1	2	2	2	2	2
1837		1				1	4	4	4		1		1				1	1	3	2	2	2	2	2
1838		3	1		2	1	2	2	3	2	1		1		1		1	1		2	2	2	2	2
1839		3	1	1	1	5		2	1	1	1		1				2	2		1	1	1	1	1
1840	4	2	2	4	1	3	4	4	1	2	1	4		1	2	2	1	2	3	1	3		2	4
1841	2		4	2	6	4	2	1	10		4		3		3		1	1		1	1	2	3	3
1842	7	8	6	5	9	2	9	3	5	2	8	2	4		3	1	1	2	1	3			4	4
1843	2	7	4	4	9	2	4	3	13	3	4	6	1	4		3	5	3		4	3	3		1
1844	4	6	4	5	4	5	8		4	2	2		1	1	2		2	1		1	1	2	3	3
1845		3	7	7	5	1	4	2	7	2	3	2	1	1	4		1	4		4	2	3	2	7
1846	5	2	5	6	6	2	3	5	5	1	3		2	1	3		1	2		1	3	6	2	7
1847	2	4	3	2	5	4	8	4	6	3	1	2	4	1	1	3	3	2	1	3	3		2	5
1848	2	3	6	4	4	2	3	3	6	5	1	2	2	2	2	1	3	1		1	3	4		3
1849	5	3	9	3	2	3	4	2	2	2	4	1		1		1	1	1	2	1	1	3		4
Total.	41	56	56	58	63	49	63	45	70	34	34	23	28	15	25	13	23	24	21	24	18	45	13	53

A comparison of the foregoing table gives the following results:

Total number of days on which Solar Haloes were observed, 455

"	"	Lunar	"	"	439
---	---	-------	---	---	-------	-----

	Solar.	Lunar.	Total.
Observed in Winter months,	110	167	277

"	Spring months,	196	128	424
---	----------------------	-----	-----	-----

"	Summer months,	87	51	138
---	----------------------	----	----	-----

"	Autumnal months,	62	98	155
---	------------------------	----	----	-----

Showing the prevalence of haloes in the spring months, a fact which coincides with observations made elsewhere.

OBSERVATIONS UPON THE AURORA BOREALIS.

The State of New-York is in some respects well situated for the observation of Auroras, the records of a quarter of a century indicating that this phenomenon appears on an average nearly fifty days in a year. It is to be regretted that the descriptions given were too often vague and indefinite, both in the indication of *time* and *place*, without which comparisons leading to a definite knowledge of their height, distance and rapidity of motions are impracticable. The records however are of interest as indicating the frequency and geographical extent of auroras, as well as a general knowledge of the varieties of form and motion which they present. To ascertain their comparative extent, notices of their appearance beyond the limits of the state, and at stations not regularly reporting to the Regents, have been compiled from such sources of information as were within reach, and are embodied in the following pages.*

The number of days on which auroras were observed in New-York, and the whole number given in all the records that have been consulted, including those of New-York, is shown in the following table.

YEARS.	JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.		TOTAL.			
	In New-York.	In all.	In New-York.	In all.	In New-York.	In all.	In New-York.	In all.	In New-York.	In all.	In New-York.	In all.	In New-York.	In all.	In New-York.	In all.	In New-York.	In all.	In New-York.	In all.	In New-York.	In all.	In New-York.	In all.	In New-York.	In all.		
1826		5		7		12		4																				
1827	1	4		6		1		2																				
1828	3	3		2		2		2																				
1829	3	5		2		2		2																				
1830	2	2	4	4	4	4	5	4	5	10	11	7	7	5	12	13	8	9	14	14	4	5	5	7	80	86		
1831	3	4	4	4	4	15	15	6	6	5	6	8	8	11	11	1	1	1	1	3	3					55	53	
1832	1	1		2		2	2	5	5	3	3	3	3			4	4	3	5	2	4	1	2	1	1	24	30	
1833	1	2				2	2	4	3	8	4	4	2	2	3													
1834	3	8	28	2	14	22	22	2	23	1	2					10	11	6	8	11	2	19	6	23	85	153		
1835	5	21	3	13	2	11	1	1	1	4	5	2	2	2	2	2	7	7	1	8	4	4	1	2	30	63		
1836					1	1	9	9	3	4	5	10	10	10	11	13	8	4	4	6	6	6	1	1	61	68		
1837	4	4	2	3	6	6	6	6	8	4	4	3	4	5	7	5	7	3	14	2	7	5	7	1	4	50	75	
1838	5	8	4	4	6	6	4	4	7	1	2	3	3	4	4	3	3	10	11	1	4	4	7	3	8	42	65	
1839	9	13	3	7	5	8	7	12	3	9	2	2	2	2	2	6	6	6	5	10	3	8	1	6	5	57	85	
1840	6	9	5	11	7	7	10	11	9	9	3	3	3	4	9	9	5	8	6	9	5	7	5	11	7	73	98	
1841	2		12	13	9	10	6	10	5	5	2	2	2	3	3	9	12	13	5	6	5	11	6	14	1	4	73	97
1842	3	3	3	8	2	7	6	12			3	3	6	6	1	4	3	6	2	8	4	7	2	7	3	35	71	
1843	4	10	3	15	5	12	3	10	3	4	7	7	7	7	3	3	6	12	5	10	3	3		6	56	99		
1844	1	6	1	5	5	13	3	4	5	6	1	1	1	1	1	4	4	7	3	8	4	10	1	3	30	63		
1845	3	12	3	8	13	3	5	1	2			3	3	5	7	2	4	2	6	1	4	1	2	2	24	66		
1846	2	3		3	1	5	5	7	9	10	2	3	3	3	6	13	8	10	5	7	2	2	4	4	4	47	70	
1847	2	3	1	2	9	9	7	5	3	3	1	1	3	3	3	4	3	6	2	10	8	10	4	4	4	46	60	
1848	8	16	12	16	8	17	9	18	3	14	3	7	6	11	5	11	1	11	7	20	6	13	5	14	73	173		
1849	4	13	8	17	8	14	8	21	12	5	15	6	14	5	11	12	16	10	17	1	13	6	9	73	172	108		
1850	1	3	7	7	9	12	5	8	7	7	7	7	9	10	14	14	13	15	8	10	4	4	6	6	9	90	103	
Total.	76	178	86	175	106	211	125	201	83	118	79	95	100	118	122	157	131	185	110	200	74	178	60	147	1542	1963		

An examination of the above table will show that in New-York there was a progressive increase of the days on which auroras were observed, from December to April; decreasing in May and June, and attaining their maximum in September. The months arranged in the order of the frequency of auroras, commencing with the highest number, would stand as follows: September, April, August, October, March, July, February, May, June, January, November and December. In the years 1850, 1830, 1840, 1841, 1848 and 1849, an unusual number of auroras were reported.

* Besides the annual reports of the Regents, in which numerous notices of this phenomenon as observed beyond the limits of the state occur, the "American Journal of Science and Arts," the "New-York Municipal Gazette," "Edinburgh Philosophical Journal," "London and Edinburgh Philosophical Magazine," "London Athenaeum," "Comptes Rendus" and other literary and scientific periodicals, the narratives of Sir John Franklin's second voyage, and of Captain Back's overland journey to the polar regions have been examined, and all the dates of auroras from 1826 to 1850, furnished by these sources, are noted in the following tables. The editor is especially indebted to Captain J. H. Lefroy, the late Director of the Toronto Magnetic and Meteorological Observatory, for an extended list of dates of the appearances of auroras during several years in Europe and in Canada. It is much regretted that fuller records from the north of Europe were not accessible, in perfecting this department of the work.

GEOGRAPHICAL EXTENT OF AURORAS.

In order to present a condensed synopsis of the stations at which auroras were observed, their names only will be given in the following lists. Stations reporting officially to the Regents are *italicized*, and at those marked thus *, the appearance was described more or less fully. The material parts of these descriptions will be given at the end of the table.

1836.		
JANUARY	4, Fort Franklin, British America.	
	5, Leith, Scotland.	
	8, Fort Franklin, British America.	
	17, Leith, Scotland.	
	29, Fort Franklin, British America.	
FEBRUARY	3, 8, 9, 10, 11, 19, Fort Franklin, British America.	
	11, Leith, Scotland.	
MARCH	2, 7, 8, 9, 10, 11, 13, 14, 15, 26, 28, Fort Franklin, B. A.	
	29, Fort Franklin, British America; England generally.	
	Very remarkable.	
APRIL	3, 6, 13, 23, Fort Franklin, British America.	
OCTOBER	1, <i>Auburn</i> .	
	2, <i>Union Hall</i> ; Fort Franklin, British America.	
	13, 19, 30, Fort Franklin, British America.	
NOVEMBER	1, 4, 10, 16, 19, 20, 22, 24, Fort Franklin, Brit. America.	
DECEMBER	4, 19, 22, 26, Fort Franklin, British America.	
1827.		
JANUARY	3, Fort Franklin, British America.	
	19, <i>Schenectady</i> .	
	21, Edinburgh, Scotland.	
	31, Fort Franklin, British America.	
FEBRUARY	3, 4, 6, 7, 23, 25, Fort Franklin, British America.	
MARCH	29, Edinburgh, Scotland.	
APRIL	6, 16, <i>Albany</i> .	
AUGUST	25, Paris, France.	
	27, <i>Albany, Clinton, Franklin (P.), Hudson, Lansingburgh, Montgomery, Union Hall, Utica, Middlebury, Fairfield, Erasmus Hall*, Louisville*</i> ; Perth, Scotland.	
	28, <i>Albany*, Montgomery*, Cherry Valley*, Clinton*, Franklin (P.), Auburn, Hudson, Ithaca, Middlebury, Hartwick, Lowville*, Utica*, Pompey*, Schenectady, New-York, Rochester, Canandaigua; New Haven, Ct.; Philadelphia, Pa.; Baltimore, Md.; Wilmington, Del.; Portsmouth, Keene and Charlestown, N. H.; Brunswick, Me.; Massachusetts, many places; Montreal and Quebec, C. E.; at sea, Lat. N. 42° 12' Lon. W. 63° 9'; Perth, Scotland. Very brilliant.</i>	
	29, <i>Schenectady, New-York.</i>	
	31, <i>New-York.</i>	
SEPTEMBER	8, <i>Clinton, Franklin (P.), Hudson, Lansingburgh, Lowville, Middlebury, Utica; Augusta, Me.; Wilmington, Del.; Kingdom of Denmark, many places.</i>	
	9, <i>Albany, Lowville*, Clinton, Hudson, Utica*, Canandaigua; Wilmington, Del.</i>	
	25, <i>Erasmus Hall, Lowville*, Hartwick; Wilmington, Del.</i>	
	26, <i>Gosport, England.</i>	
	28, <i>Paris, France.</i>	
OCTOBER	6, <i>Allerly, England.</i>	
	16, <i>Utica.</i>	
NOVEMBER	9, <i>Lowville; Wilmington, Del.</i>	
	18, <i>Wilmington, Del.; Allerly, England.</i>	
	19, <i>Allerly, England.</i>	
DECEMBER	17, <i>Franklin (P.).</i>	
	27, <i>Kendal, England. Remarkable.</i>	
1828.		
JANUARY	18, <i>Dutchess, Franklin (P.), Hartwick, Johnstown, Middlebury, Lowville, Onondaga, Utica; Wilmington, Del.</i>	
	19, <i>Albany.</i>	
	20, <i>Auburn, Clinton.</i>	
FEBRUARY	3, <i>Johnstown, Utica.</i>	
	19, <i>Utica.</i>	
APRIL	11, 12, <i>Hartwick.</i>	
JULY.	5, <i>Albany, Dutchess, Lowville, St. Lawrence, Utica.</i>	
AUGUST	14, <i>Clinton.</i>	
	16, <i>Cambridge, Lowville, Utica*.</i>	
SEPTEMBER	8, <i>St. Lawrence*.</i>	
	12, <i>Utica.</i>	
	26, <i>Albany, Auburn, Erasmus Hall, Lowville, Johnstown, Clinton, Schenectady, Lansingburgh; Wilmington, Del.</i>	
1828.		
SEPTEMBER	27, <i>Cambridge; Wilmington, Del.</i>	
	29, <i>Albany*, Cambridge, Johnstown, Lowville*, Middlebury, St. Lawrence, Schenectady, Utica; Manchester, Gosport, and other places in England. Very remarkable.</i>	
	30, <i>Dutchess.</i>	
OCTOBER	3, <i>Cayuga.</i>	
	8, <i>Albany*, Dutchess.</i>	
	11, <i>Hartwick.</i>	
NOVEMBER	8, <i>Utica.</i>	
DECEMBER	1, <i>Clinton, Schenectady.</i>	
1829.		
JANUARY	2, <i>Kendal, England.</i>	
	27, <i>Cambridge.</i>	
	28, <i>Wilmington, Del.</i>	
	30, 31, <i>Cambridge.</i>	
FEBRUARY	18, <i>Wilmington, Del.</i>	
APRIL	4, <i>Utica.</i>	
	5, <i>Lowville.</i>	
	8, <i>Lowville, St. Lawrence*.</i>	
MAY	29, <i>St. Lawrence.</i>	
	31, <i>Schenectady, Utica.</i>	
JUNE	1, <i>Cambridge, Franklin (P.), Middlebury, Pompey, Utica, St. Lawrence*.</i>	
	2, <i>Cambridge, Utica.</i>	
	7, <i>Schenectady*.</i>	
	14, <i>St. Lawrence.</i>	
	21, <i>Dutchess.</i>	
AUGUST	25, <i>Dutchess.</i>	
	26, <i>Auburn, Cambridge, Schenectady, Utica.</i>	
	29, <i>Berwickshire, England.</i>	
SEPTEMBER	18, <i>Albany, Dutchess, Utica; Boston, Mass.</i>	
	19, <i>Albany, Clinton, St. Lawrence*; Boston, Mass.</i>	
	26, <i>Albany*.</i>	
OCTOBER	21, <i>Cambridge, Utica.</i>	
	24, <i>St. Lawrence.</i>	
	25, <i>Kendal, England.</i>	
	27, <i>Delaware*.</i>	
NOVEMBER	9, <i>Lowville*.</i>	
	19, <i>St. Lawrence*.</i>	
DECEMBER	14, <i>Alford, England.</i>	
	19, <i>Schenectady; Wilmington, Del.</i>	
	20, <i>Alford, England; Scotland.</i>	
	28, <i>Hartwick*, North Salem*.</i>	
1830.		
JANUARY	24, <i>Canajoharie, Utica.</i>	
	27, <i>Lowville.</i>	
FEBRUARY	16, <i>Pompey.</i>	
	18, <i>Pompey, Cazenovia, St. Lawrence, Utica.</i>	
	19, <i>Albany, Canajoharie, Delaware, Kinderhook, North Salem, Pompey, Utica.</i>	
	23, <i>Canajoharie, Lowville*, North Salem, Utica.</i>	
MARCH	15, <i>Albany, Canajoharie, Franklin (P.)*, Lowville, Middlebury, Pompey, St. Lawrence, Utica*, Cazenovia.</i>	
	16, <i>Union Literary Society.</i>	
	28, <i>Albany, Pompey.</i>	
	31, <i>Franklin (P)*.</i>	
APRIL	19, <i>Albany, Auburn*, Cambridge*, Canandaigua*, Canajoharie, Cayuga*, Franklin (P.)*, Hudson*, Lansingburgh*, Lowville*, Oxford*, Pompey*, Rochester*, St. Lawrence, Utica*, Union Literary Society*, Cazenovia; England, many places.</i>	
	20, <i>Cayuga, Delaware, Kinderhook.</i>	
	21, <i>Canajoharie.</i>	
	25, <i>Rochester.</i>	
	28, <i>Lowville.</i>	
MAY	2, <i>Lewiston*, St. Lawrence.</i>	
	4, <i>Auburn, Lansingburgh, Lowville, Oxford, Pompey, St. Lawrence, Utica*.</i>	
	6, <i>Wilmington, Del.</i>	

1830.

- MAY 9, *Canajoharie, Hartwick.*
 10, *Kinderhook.*
 11, *St. Lawrence.*
 13, *Delaware.*
 14, *Canajoharie, Hartwick, Pompey, St. Lawrence, Utica ;*
Wilmington, Del.
 15, *Delaware, Kinderhook, Cazenovia, St. Lawrence, Union*
Literary Society, Utica ; Wilmington, Del.
 19, *Fredonia.*
 22, *Union Literary Society.*
- JUNE 9, *Middlebury.*
 10, *Albany*, Auburn*, Canajoharie*, Fredonia*, Erasmus*
Hall, Hartwick*, Mount Pleasant*, Kinderhook*,*
Lewiston, Lowville*, Oxford*, Pompey*, St. Law-*
rence, Utica* ; Wilmington, Del.*
 11, *Dutchess*, St. Lawrence*, Utica* ; Wilmington, Del.*
 16, *St. Lawrence.*
 17, *Hudson.*
 18, *Lewiston, Utica.*
 20, *Hartwick, Delaware.*
- JULY 7, *Lewiston.*
 14, *Albany, Canajoharie, Franklin (P.), Hartwick*, De-*
laware, Ithaca, Lansingburgh, Lowville*, Middle-*
bury, Union Hall, Utica ; Fayetteville, Vt. ; Wil-
mington, Del.
 15, *Erasmus Hall, Fredonia*.*
 21, *Lowville.*
 28, *Fredonia.*
- AUGUST 8, *Lewiston.*
 10, *Pompey, Utica.*
 11, *Franklin (P.).*
 12, *Auburn, Utica.*
 13, *Auburn, Hamilton.*
 15, *Wilmington, Del.*
 19, *Cazenovia, Pompey, Union Literary Society, Utica*.*
 20, *Lowville, Pompey, Cazenovia, Utica* ; Wilmington,*
Del.
 21, *Hamilton.*
 25, *Lowville, St. Lawrence.*
 26, *Auburn*, Lowville, Pompey, Rochester, Union Literary*
Society, Utica.
 28, *Hartwick.*
 29, *Rochester.*
- SEPTEMBER 5, *Rochester.*
 7, *Lewiston*.*
 9, *Fredonia, Utica.*
 10, *Utica.*
 11, *St. Lawrence.*
 12, *Wilmington, Del.*
 15, *Albany, Pompey*, Wilmington, Del.*
 16, *North Salem ; Wilmington, Del.*
 17, *Pompey, St. Lawrence, Utica ; Wilmington, Del. ; Scot-*
land.
- OCTOBER 5, *Utica, Schenectady ; Kendal, England.*
 6, *Auburn, Canajoharie, North Salem, Lowville, Platts-*
burgh, Pompey, St. Lawrence, Utica, Schenectady.
 7, *Auburn, Canajoharie, North Salem, Pompey, St. Law-*
rence, Union Literary Society, Utica, Schenectady.
 8, *North Salem.*
 9, *Auburn, Fredonia ; Wilmington, Del. ; Cambridge, Eng.*
 10, *Fredonia, Lowville.*
 11, *Utica.*
 13, *Hartwick.*
 14, *Pompey, St. Lawrence*, Utica.*
 15, *Lowville. Very brilliant in Shetland Islands.*
 16, *Lowville.*
 17, *Lowville, Pompey, Utica, Schenectady.*
 27, *Auburn.*
 28, *Fredonia, Pompey, St. Lawrence*, Union Literary*
Society.
- NOVEMBER 3, *Kendal, England.*
 9, *Pompey.*
 19, *Hartwick.*
 20, *Canandaigua, Fredonia, Middlebury, Pompey, Utica,*
Schenectady.
 21, *Canandaigua.*
- DECEMBER 6, *Cazenovia.*
 7, *Lowville, Plattsburgh*, Pompey, Utica.*
 10, *Dutchess*, Hartwick, Plattsburgh.*

1830.

- DECEMBER 11, *Albany*, Auburn*, Dutchess, Erasmus Hall*, Hart-*
wick, Lansingburgh, Lewiston, Lowville, North*
Salem, Plattsburgh, Rochester, St. Lawrence, Union
Literary Society, Utica, Schenectady ; Newberry,
Vt. ; Wilmington, Del.
 12, *Auburn, Dutchess, Franklin (P.), Fredonia, Ithaca,*
Lansingburgh, Lewiston, Middlebury, North Sa-
lem, Plattsburgh, Pompey, St. Lawrence, Utica,
Schenectady ; Wilmington, Del. ; Manchester and
Gosport, England.
 25, 30, *Kendal, England.*

1831.

- JANUARY 6, *Franklin (P.), North Salem, Pompey, Utica ; Wil-*
mington, Del.
 7, *Fredonia*, North Salem, Pompey, Utica ; Wilming-*
ton, Del. ; France ; Germany ; Scotland, and the
north of Europe generally. Very brilliant.
 11, *Kendal, England.*
 14, *Utica, St. Lawrence, Schenectady ; At sea, Lat. S.*
45°, Longitude of centre of New Holland, in NE.
- FEBRUARY 6, *Albany*, Oxford*, Mount Pleasant*, Lansingburgh,*
Lowville, Lewiston, Middlebury, Cayuga, Cherry
Valley, Franklin (P)*, Johnstown, Fredonia,*
Hamilton, North Salem, Erasmus Hall*, Caze-*
novia, Schenectady ; Wilmington, Del.*
 7, *Clinton, Johnstown, Lowville, North Salem, Pompey,*
St. Lawrence, Utica, Schenectady.
- MARCH 14, *Lowville, Utica.*
 1, *Lowville, Pompey, Utica, Schenectady.*
 2, *North Salem.*
 3, *Fredonia.*
 5, *Lewiston, Lowville, Pompey, Utica.*
 6, *North Salem.*
 7, *Utica.*
 8, *Clinton, Cazenovia, Lowville*, Utica*, Schenectady ;*
Wilmington, Del.
 9, *Clinton, Lowville ; Fayetteville, Vermont.*
 10, *Clinton, Lowville.*
 11, *Lewiston, Lowville.*
 12, *Lowville, St. Lawrence, Schenectady.*
 13, *Lewiston, Schenectady.*
 16, *Lowville, St. Lawrence, Utica.*
 18, *Fairfield*.*
 20, *Utica.*
- APRIL 1, *Albany*, Lowville, Pompey, Utica*, Schenectady.*
 2, *Franklin (P.), St. Lawrence, Utica.*
 18, *Union Hall*.*
 19, *Gouverneur*, Lewiston*, Oxford*, Mount Pleasant*,*
Middlebury, Cherry Valley*, Dutchess*, Utica*,*
Franklin (P), Lansingburgh, Hudson*, Fair-*
field, Hartwick*, Kinderhook*, North Salem*,*
Erasmus Hall, Albany*.*
 20, *Johnstown, Lowville* ; Wilmington, Del.*
 30, *Lewiston.*
- MAY 7, *Lewiston.*
 8, *Wilmington, Del.*
- JUNE 15, *Utica.*
 1, *Schenectady.*
 2, *Middlebury.*
 10, *Schenectady ; Wilmington, Del. ; Albany*, Utica.*
 11, *Erasmus Hall, St. Lawrence.*
 16, 17, *Albany*.*
- JULY 21, *Ithaca*, Utica, Johnstown, Albany*.*
 1, *Canajoharie*, Cazenovia*, Utica.*
 2, *Cazenovia*, Utica ; Fayetteville, Vt.*
 3, *Cherry Valley*, Cazenovia*, Kingston*, Utica, Al-*
bany.*
 4, *Albany*, Erasmus Hall*, Johnstown, Utica ; Wil-*
mington, Del.
 5, *Albany* ; Wilmington, Del.*
 6, *Pompey, Utica.*
 8, *Utica.*
 9, *Cazenovia.*
 10, *Johnstown, Utica ; Wilmington, Del.*
 12, *Lewiston.*
 31, *Johnstown*, Schenectady ; Wilmington, Del.*
- AUGUST 6, *Cazenovia*, Pompey, Utica.*
- SEPTEMBER 9, *Lewiston.*
- OCTOBER 23, *Canajoharie.*

1831.				1833.	
OCTOBER	24, Schenectady.			SEPTEMBER	6, Auburn, Johnstown, Utica, Schenectady; Nova Zembla. Brilliant.
	29, Cazenovia*, Hartwick*, Utica, St. Lawrence*, Pompey, Johnstown, Kingston, Lowville*, Erasmus Hall, Lansingburgh, Canajoharie*; Wilmington, Del.				7, Johnstown.
DECEMBER	9, St. Lawrence*.				10, Montgomery.
1832.					13, Cazenovia, Schenectady.
JANUARY	22, Cazenovia, Utica; Wilmington, Del.				17, England and Ireland, in many places.
MARCH	26, Johnstown, Utica.				22, Cazenovia.
	27, Pompey*, Lowville, Utica; Wilmington, Del.				23, Utica, Schenectady.
APRIL	10, Fredonia.			OCTOBER	25, Johnstown.
	19, 21, Cazenovia.				4, Hartwick, Schenectady.
	24, Pompey, Utica.				5, Franklin (P.), Schenectady.
	28, Lewiston.				12, Great Britain, in many places.
MAY	12, Kinderhook*.				13, Johnstown, Utica; Wilmington, Del.
	29, Cazenovia.				14, Albany, Auburn, Cherry Valley, Middlebury, Utica, Schenectady.
	31, Lewiston.				16, Cherry Valley.
JUNE	1, Lowville.				27, 28, Great Slave Lake, British America.
	2, Cazenovia, Johnstown.			NOVEMBER	2, Fort Reliance, Great Slave Lake, British America.
	20, Johnstown.				3, Utica*, Lowville*, St. Lawrence, Montgomery*, Schenectady; Fort Reliance, British America.
AUGUST	12, Cazenovia*.				6, 7, 8, 10, 11, 12, 13, 14, 18, 19, 20, 21, 23, Fort Reliance, British America.
	22, Pompey, Middlebury, Franklin (P.)*, Auburn, Kinderhook, Lowville*, Cazenovia*, Schenectady; Wilmington, Del.			DECEMBER	3, 6, 7, 10, 11, 12, 15, 16, 17, 19, 20, 22, 25, Fort Reliance, British America.
	23, Ithaca*, Johnstown, Pompey, Middlebury, Franklin (P.), North Salem, Canandaigua*, Auburn*, Fredonia*, Kinderhook*, St. Lawrence*, Utica*, Fairfield*, Schenectady; Wilmington, Del.				29, Utica*; Fort Reliance, British America.
	24, Lowville, Gouverneur*, Albany.				30, Johnstown, Montgomery; Fort Reliance, Brit. Amer.
SEPTEMBER	1, Cazenovia.				31, Fort Reliance, British America.
	16, Middlebury.			1834.	
	17, England.			JANUARY	1, 2, 3, 4, 5, 6, Fort Reliance, British America.
	23, North Salem, Cazenovia*, Utica; Manchester, Eng.				7, Albany; Fort Reliance, British America.
	30, Wilmington, Del.				8, 9, Fort Reliance, British America.
OCTOBER	7, Fredonia*.				10, Schenectady; Fort Reliance, British America.
	12, England.				11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 27, Fort Reliance, British America.
	30, Pompey, Schenectady.				28, Johnstown; Fort Reliance, British America.
	31, Nova Zembla.				29, 30, 31, Fort Reliance, British America.
NOVEMBER	14, Wilmington, Del.			FEBRUARY	1, 4, 6, Fort Reliance, British America.
	15, Utica, Schenectady.				7, Lowville, Montgomery, St. Lawrence, Utica; Fort Reliance, British America.
DECEMBER	21, Newcastle, England.				8, Montgomery; Fort Reliance, British America.
1833.					9, 10, 11, 13, 14, 15, 16, 26, 28, Fort Reliance, British America.
JANUARY	2, Wilmington, Del.			MARCH	2, Palmyra.
	19, Schenectady.				3, Albany, Schenectady; Fort Reliance, Brit. America.
MARCH	13, Cambridge, England; Nova Zembla.				4, Albany, Johnstown, Kinderhook, Kingston*, Pompey, Utica.
	17, Franklin (P.), Cazenovia, Onondaga, Utica.				5, Newberry, Vt.; Schenectady; Fort Reliance, British America.
	21, Wilmington, Del.; Great Britain generally. Brilliant.				6, 7, Fort Reliance, British America.
	23, Schenectady.				8, Palmyra; Fort Reliance, British America.
APRIL	23, Auburn				9, Utica; Fort Reliance, British America.
	24, Albany*, Bridgewater, Cortland, Lewiston, Utica, Middlebury.				10, Schenectady.
	26, Lowville.				11, 12, 14, 18, 19, 20, 21, 26, 27, 28, 29, 30, 31, Fort Reliance, British America.
MAY	7, Bridgewater.			APRIL	1, 2, 3, 4, Fort Reliance, British America.
	16, Hamilton*, Hudson*.				5, Johnstown; Fort Reliance, British America.
	17, Lewiston*, Hartwick*, Bridgewater, Fairfield, Cortland, Lansingburgh, Montgomery, Pompey, Auburn*, Kinderhook*, Albany*, St. Lawrence*, Cazenovia*, Utica*, Schenectady; Wilmington, Del.; Philadelphia, Pa.				6, 8, 9, 10, 11, Fort Reliance, British America.
	18, Johnstown, Lowville, North Salem.				13, Utica.
JUNE	14, Albany, Hartwick, Johnstown.				14, 15, 16, 17, 18, 19, 24, 25, 26, 27, 29, 30, Fort Reliance, British America.
	17, Wilmington, Del.			MAY	1, Fort Reliance, British America.
	29, Cherry Valley.				3, Hudson, Cazenovia, Johnstown, Schenectady.
JULY	10, Cherry Valley*, Canajoharie, Auburn, Cortland, Hartwick, Hudson, Johnstown, Kinderhook, Lansingburgh, Middlebury, Pompey, Cazenovia, Oyster Bay, Erasmus Hall*, Ithaca*, Albany*, Montgomery*, Utica*, Lowville*, Newburgh*, Schenectady; Philadelphia, Pa.; Wilmington, Delaware.			JULY	27, Lewiston.
	12, Cherry Valley, Johnstown.				28, Hudson, Utica.
	13, Cortland.			AUGUST	11, Lowville.
AUGUST	1, Albany.				31, Cambridge, Lewiston.
	6, Pompey.			SEPTEMBER	2, Bridgewater, Cambridge, Johnstown, Palmyra.
	15, Bridgewater.				6, Nova Zembla.
SEPTEMBER	1, Albany, Franklin (P.), Kinderhook, Schenectady.			OCTOBER	1, Albany.
	2, Clinton.				3, St. Lawrence.
	5, Albany*, Cherry Valley*, Erasmus Hall*, Middlebury, Franklin (P.), Palmyra, Pompey, Utica*, North Salem*, Schenectady.				4, 5, Middlebury.
					6, Schenectady.
					8, Albany, Utica*.
					22, Fort Reliance, British America.
					23, Albany, Lewiston, Utica.
					26, 27, Fort Reliance, British America.
					29, Johnstown.
				NOVEMBER	2, Auburn*, Hudson, St. Lawrence, Albany, Cazenovia, Utica, Schenectady.

1834.	
NOVEMBER	3, <i>Cazenovia</i> ; New Haven, Ct.; Fort Reliance, British America; England. Brilliant. 5, New Haven, Connecticut. 6, New Haven, Ct.; Fort Reliance, British America. 7, 10, 11, 12, 13, 19, 20, 21, 23, 25, 27, Fort Reliance, British America. 19, 20, 22, Nova Zembla. 28, New Haven, Ct.; Fort Reliance, British America.
DECEMBER	1, Fort Reliance, British America. 2, Fort Reliance, British America; Nova Zembla. 3, <i>Albany</i> ; Fort Reliance, British America. 4, <i>Utica</i> ; New Haven, Ct.; Fort Reliance, Brit. Amer. 5, Fort Reliance, British America. 6, 9, Nova Zembla. 6, 7, New Haven, Ct.; Fort Reliance, British America. 8, 9, 10, 12, 14, 15, 16, 18, 19, Fort Reliance, British America. 20, <i>Cazenovia</i> ; Fort Reliance, British America. 21, <i>Albany</i> , <i>Johnstown</i> , <i>Utica</i> , Schenectady; Hanover, N. H.; New Haven, Ct.; England. Brilliant. Fort Reliance, British America. 22, <i>Clinton</i> ; Woolwich, England; New Haven, Ct.; Fort Reliance, British America. 23, <i>Clinton</i> ; New Haven, Ct.; Fort Reliance, British America. 24, 25, 26, 27, 28, 29, 30, 31, Fort Reliance, Brit. Amer.
1835.	
JANUARY	1, 2, 3, Fort Reliance, British America. 4, <i>Auburn</i> *; Fort Reliance, British America. 5, <i>Cazenovia</i> . 6, 10, 14, 15, 16, Fort Reliance, British America. 18, <i>Cazenovia</i> , <i>Johnstown</i> ; Fort Reliance, Brit. America. 23, 24, 25, 26, 27, 28, Fort Reliance, British America. 24, Nova Zembla. 29, <i>Clinton</i> *; New Haven, Ct.; Hanover, N. H.; Fort Reliance, British America. 30, Fort Reliance, British America. 31, <i>St. Lawrence</i> ; Fort Reliance, British America.
FEBRUARY,	1, 2, 3, 4, 6, Fort Reliance British America. 1, 2, 3, 4, 5, Nova Zembla. 7, England, Germany. Brilliant. 8, 14, 24, Fort Reliance, British America. 25, 26, <i>Utica</i> ; Fort Reliance, British America. 27, <i>Johnstown</i> . Fort Reliance, British America. 28, Fort Reliance, British America.
MARCH	1, <i>Cortland</i> *, <i>Cazenovia</i> , <i>Kinderhook</i> ; Fort Reliance, British America. 3, 4, 5, 6, 14, 15, 16, 17, 18, Fort Reliance, Brit. Amer. 30, <i>Utica</i> .
APRIL	17, Schenectady.
JUNE	21, <i>Albany</i> *, <i>Utica</i> . 28, <i>Johnstown</i> .
JULY	29, <i>Albany</i> *, <i>Bridgewater</i> .
AUGUST	19, <i>Ithaca</i> *, <i>St. Lawrence</i> , <i>Utica</i> , Schenectady. 22, Schenectady.
SEPTEMBER	4, <i>Bridgewater</i> *, <i>Hudson</i> , <i>Albany</i> *, <i>St. Lawrence</i> *, <i>Cazenovia</i> . Schenectady; New Haven, Ct.; Philadelphia, Pa. 7, <i>Albany</i> . 9, <i>Albany</i> *, Schenectady. 22, <i>Albany</i> *. 23, Schenectady. 24, <i>Albany</i> , <i>Johnstown</i> , <i>Utica</i> . 26, <i>Utica</i> .
OCTOBER	18, Forli, Roman States. 27, <i>Bridgewater</i> .
NOVEMBER	10, Woolwich, England. Brilliant. 17, <i>Utica</i> *, <i>Clinton</i> *, <i>Fairfield</i> *, <i>St. Lawrence</i> *, <i>Albany</i> *, <i>Cazenovia</i> *, <i>Cambridge</i> *, <i>Bridgewater</i> *, <i>Cortland</i> *, <i>Dutchess</i> *, <i>Hartwick</i> *, <i>Kinderhook</i> *, <i>Middlebury</i> *, <i>Newburgh</i> *, <i>North Salem</i> *, <i>Oxford</i> *, <i>Oyster Bay</i> *, <i>Pompey</i> *, <i>Redhook</i> *, <i>Union Hall</i> *, Schenectady; Newberry, Vt.; New Haven, Ct.; Edinburgh, London and other places in Great Britain; Hanover; Berlin. 18, <i>Albany</i> *, <i>Utica</i> *, <i>Auburn</i> *, <i>Cambridge</i> *, <i>Bridgewater</i> *, <i>Cortland</i> *, <i>Johnstown</i> *, <i>Kinderhook</i> *, <i>Lewiston</i> *, <i>Redhook</i> *; New Haven, Ct.; Many places in England and Ireland; Edinburgh; Nimes, France.
1835.	
NOVEMBER	19, <i>Johnstown</i> . 26, Schenectady.
DECEMBER	10, <i>Pompey</i> , Schenectady; New Britain, Ct.; New Haven, Ct. 11, Toronto, C. W.
1836.	
FEBRUARY	11, <i>Albany</i> *, <i>Montgomery</i> *. 17, Newberry, Vt. 22, <i>Utica</i> ; Newberry Vt.
MARCH	17, <i>Albany</i> , <i>Kinderhook</i> .
APRIL	8, <i>Cherry Valley</i> . 11, <i>Auburn</i> , <i>St. Lawrence</i> , <i>Utica</i> . 12, <i>Cazenovia</i> *, <i>Schenectady</i> . 13, <i>Cherry Valley</i> *. 20, <i>Albany</i> *, <i>Auburn</i> . 21, <i>Cortland</i> *. 22, <i>Hartwick</i> *, <i>Kingston</i> *, <i>Albany</i> *, <i>Cazenovia</i> *, <i>Onondaga</i> *, <i>Oxford</i> *, <i>Utica</i> *, <i>Auburn</i> *, <i>Erasmus Hall</i> *; Newberry, Vt.; New Haven, Ct.; Emmetsburgh, Md.; England. Brilliant. At sea, Latitude 46° 25', Longitude 44° West from Paris. 23, <i>Bridgewater</i> *, <i>Hartwick</i> , <i>Albany</i> *, <i>St. Lawrence</i> *, <i>Utica</i> *. 24, <i>Bridgewater</i> *, <i>Onondaga</i> . 7, <i>Utica</i> *. 8, <i>Cambridge</i> , <i>Cortland</i> , <i>Delaware</i> , <i>Fairfield</i> , <i>Hartwick</i> , <i>Kinderhook</i> , <i>Kingston</i> *, <i>Cazenovia</i> , <i>Onondaga</i> , <i>St. Lawrence</i> , <i>Utica</i> *; New Haven, Ct.; Hartford, Ct. 13, <i>St. Lawrence</i> . 15, Sunderland, England. 19, <i>Cortland</i> , <i>Fairfield</i> , <i>Hamilton</i> , <i>Hartwick</i> , <i>Albany</i> *, <i>Onondaga</i> , <i>St. Lawrence</i> *, <i>Utica</i> *.
MAY	1, 4, <i>Utica</i> . 5, <i>Albany</i> *, <i>Utica</i> . 7, <i>Utica</i> . 8, <i>Cortland</i> , <i>Hartwick</i> , <i>Albany</i> *, <i>Utica</i> . 9, <i>Lewiston</i> , <i>Albany</i> *, <i>St. Lawrence</i> , <i>Utica</i> . 10, <i>Albany</i> , <i>Utica</i> . 11, 12, 13, <i>Utica</i> . 8, <i>Albany</i> , <i>St. Lawrence</i> . 6, <i>Utica</i> . 10, 12, 16, 19, <i>Onondaga</i> . 23, 27, <i>Utica</i> . 30, <i>Clinton</i> . 31, <i>Cortland</i> , <i>Albany</i> *, <i>Newburgh</i> , <i>Onondaga</i> *, <i>St. Lawrence</i> , <i>Utica</i> .
JUNE	1, <i>Clinton</i> , <i>Utica</i> *. 2, <i>Auburn</i> *, <i>Clinton</i> , <i>Cortland</i> , <i>Fredonia</i> , <i>Kinderhook</i> , <i>Albany</i> *, <i>Cazenovia</i> , <i>Onondaga</i> *, <i>St. Lawrence</i> , <i>Utica</i> *. 4, <i>Utica</i> . 10, Isle of Wight. Brilliant. 11, <i>Cazenovia</i> , <i>Fredonia</i> , <i>Hartwick</i> , <i>Onondaga</i> *, <i>Utica</i> *. 12, <i>Cortland</i> , <i>Kinderhook</i> , <i>Newburgh</i> *, <i>Onondaga</i> *, <i>Utica</i> ; Newberry, Vt.; Hartford and New Haven, Connecticut. 13, <i>Bridgewater</i> , <i>Fredonia</i> , <i>Lewiston</i> , <i>Utica</i> . 14, <i>Hartwick</i> , <i>Utica</i> . 15, <i>Onondaga</i> . 16, <i>Utica</i> . 17, <i>Onondaga</i> . 19, <i>Onondaga</i> *, <i>Utica</i> . 20, Newberry, Vt. 29, Dublin, Ireland. Brilliant.
JULY	10, <i>Hamilton</i> , <i>Kinderhook</i> , <i>Albany</i> , <i>Utica</i> . 11, Dublin, Ireland; Leominster, England. 15, <i>Albany</i> *. 18, Dorpat, Russia; Paris, Caen, Cherbourg, Chamberg, &c., France; Geneva, Turin, Forli and other places in Central and Southern Europe; Parma, Italy. 20, <i>Utica</i> . 23, <i>Onondaga</i> *.
AUGUST	1, <i>Albany</i> , <i>Onondaga</i> , <i>Utica</i> . 15, <i>Auburn</i> *, <i>Kinderhook</i> *, <i>Albany</i> *, <i>Onondaga</i> , <i>Utica</i> . 20, <i>Utica</i> . 29, Dublin, Ireland. Brilliant.
SEPTEMBER	13, <i>Albany</i> , <i>Onondaga</i> , <i>Utica</i> . 15, <i>Auburn</i> *, <i>Kinderhook</i> *, <i>Albany</i> *, <i>Onondaga</i> , <i>Utica</i> . 20, <i>Utica</i> . 29, Dublin, Ireland. Brilliant.
OCTOBER	10, <i>Hamilton</i> , <i>Kinderhook</i> , <i>Albany</i> , <i>Utica</i> . 11, Dublin, Ireland; Leominster, England. 15, <i>Albany</i> *. 18, Dorpat, Russia; Paris, Caen, Cherbourg, Chamberg, &c., France; Geneva, Turin, Forli and other places in Central and Southern Europe; Parma, Italy. 20, <i>Utica</i> . 23, <i>Onondaga</i> *.
NOVEMBER	1, <i>Albany</i> , <i>Cazenovia</i> , <i>Utica</i> *. 2, 4, 8, 9, 13, <i>Utica</i> .
DECEMBER	8, <i>Onondaga</i> .

1837. JANUARY	14, <i>Onondaga</i> .* 24, <i>Clinton</i> .	1837. NOVEMBER	23, 25, <i>Christiana, Norway</i> . 4, <i>Schenectady</i> .
	25, <i>Bridgewater</i> *, <i>Cumbridge, Albany</i> *, <i>Cortland, Delaware</i> *, <i>Erasmus Hall</i> *, <i>Ithaca</i> *, <i>New-York</i> *, <i>Buffalo</i> *, <i>Fredonia</i> *, <i>Mount Pleasant</i> *, <i>Kinderhook</i> *, <i>Lausburgh</i> *, <i>Lowville</i> *, <i>Middlebury</i> *, <i>Monroe</i> *, <i>Newburgh</i> *, <i>Cazenovia</i> *, <i>Union Hall</i> *, <i>Onondaga</i> *, <i>Pompey</i> *, <i>Redhook</i> *, <i>Mexico</i> *, <i>Rochester</i> *, <i>Schenectady</i> *, <i>Utica</i> *, <i>Newberry, Vt.</i> ; <i>New Haven, Ct.</i> ; <i>Bermuda Islands</i> .		5, <i>Ithaca, Schenectady</i> .
			12, <i>North Salem</i> *; <i>Paris, Angers, Montpelier, Livourne, Vendôme, &c., France</i> ; <i>Parma, Italy</i> .
			13, <i>Schenectady</i> *, <i>Gaines</i> *.
			14, <i>Bridgewater</i> *, <i>Canajoharie</i> *, <i>Erasmus Hall</i> *, <i>Fairfield</i> *, <i>Gouverneur</i> *, <i>Hamilton</i> *, <i>Hartwick</i> *, <i>Ithaca</i> *, <i>Johnstown, Newburgh, Fredonia</i> *, <i>Buffalo</i> *, <i>Lowville</i> *, <i>Mount Pleasant</i> *, <i>Cazenovia</i> *, <i>Onondaga</i> *, <i>Pompey</i> *, <i>Rochester</i> *, <i>St. Lawrence</i> *, <i>Utica</i> *, <i>Union Hall</i> *, <i>New-York</i> ; <i>Philadelphia, Pa.</i> ; <i>New Haven, Ct.</i> ; <i>Alexandria, Va.</i> ; <i>Annapolis, Md.</i> ; <i>Society Hill, S. C.</i> ; <i>Culloden, Ga.</i> ; <i>England generally</i> ; <i>Christiana, Norway</i> ; <i>Yakoutsck, Russia</i> .
FEBRUARY	17, <i>Schenectady</i> *.		15, <i>Christiana, Norway, in great intensity</i> ; <i>Yakoutsck, Russia</i> .
	18, <i>Devonshire, London, Kent, Belfast, Markerstown and elsewhere in Great Britain</i> ; <i>Paris, Montpelier and many other places in France</i> ; <i>Göttingen, Germany</i> ; <i>Geneva, Switzerland</i> .		18, <i>Yakoutsck, Russia</i> .
			DECEMBER
			1, <i>North Salem</i> .
MARCH	25, <i>Lewiston</i> . 1, 3, <i>Albany</i> . 9, <i>Lowville</i> . 10, <i>Albany</i> .		2, <i>Christiana, Norway</i> .
	29, <i>Albany, Pompey, Mexico</i> .		12, <i>Copenhagen, Denmark</i> .
	30, <i>Onondaga</i> *, <i>Rochester</i> *.		19, <i>Christiana, Norway</i> ; <i>Yakoutsck, Russia</i> .
APRIL	5, <i>Auburn</i> *.		1838.
	6, <i>Albany</i> *, <i>Cortland, Fredonia, Cazenovia</i> *, <i>Onondaga</i> *; <i>Newberry, Vt.</i> ; <i>Angers, France</i> ; <i>Christiana, Norway</i> ; <i>Germany</i> .	JANUARY	5, <i>Albany, Cazenovia, Erasmus Hall, Onondaga</i> .
	7, 8, <i>Christiana, Norway</i> .		15, <i>Cayuga</i> .
	10, <i>Onondaga</i> .		16, 17, <i>Yakoutsck, Russia</i> .
	21, <i>Delaware</i> *, <i>Newburgh</i> ; <i>Newberry, Vt</i> .		29, <i>Erasmus Hall</i> .
	25, <i>Cherry Valley</i> .		24, <i>Ithaca</i> .
MAY	27, <i>Bridgewater</i> .	FEBRUARY	25, <i>Cayuga</i> *; <i>Yakoutsck, Russia</i> .
	19, <i>England, generally</i> .		28, <i>Yakoutsck, Russia</i> .
	27, <i>Rochester</i> .		16, 17, <i>Christiana, Norway</i> .
	30, <i>Onondaga</i> .		18, <i>England</i> .
	31, <i>Rochester</i> .		20, <i>Ithaca</i> *, <i>Plattsburgh</i> .
JUNE	1, <i>Albany, Hamilton, Onondaga</i> .		21, <i>Albany</i> *, <i>Cortland, Clinton, Fairfield, Fredonia, Lowville, Middlebury, Montgomery, Newburgh</i> *, <i>Salem</i> *; <i>Newberry, Vt.</i> ; <i>Christiana, Norway</i> .
	2, <i>Albany</i> *, <i>Erasmus Hall, Hamilton</i> .		22, <i>Fredonia, Oneida Institute, Onondaga, Rochester</i> ; <i>Christiana, Norway</i> ; <i>Yakoutsck, Russia</i> .
	3, <i>Albany, Onondaga</i> .		23, <i>Fredonia, Oneida Institute</i> ; <i>Christiana, Norway</i> ; <i>Yakoutsck, Russia</i> .
JULY	24, <i>Vermont</i> ; <i>New Haven, Ct.</i> ; <i>England</i> .	MARCH	16, 19, 26, <i>Christiana, Norway</i> .
	1, <i>Canajoharie</i> *, <i>Albany</i> *, <i>Cortland</i> *, <i>Fredonia</i> *, <i>Ithaca</i> *, <i>Kinderhook</i> *, <i>Kingston</i> *, <i>Lowville</i> *, <i>Cazenovia</i> *, <i>Onondaga</i> *, <i>Pompey</i> *, <i>Rochester</i> *; <i>Virginia</i> ; <i>Fayetteville, N. C.</i> ; <i>Columbus, Ga.</i> ; <i>Cleveland, O.</i> ; <i>New Haven, Ct.</i> ; <i>England</i> .		23, 26, 30, <i>Yakoutsck, Russia</i> .
	2, <i>Cortland, Kingston, Lowville, North Salem</i> ; <i>New Haven, Ct.</i> ; <i>England</i> .	APRIL	12, <i>Kinderhook</i> ; <i>Newberry, Vt.</i> ; <i>Christiana, Norway</i> .
	3, <i>New Haven, Ct.</i>		13, <i>Christiana, Norway</i> .
	7, <i>England</i> .		15, <i>St. Lawrence</i> .
	25, <i>Cortland</i> .	MAY	17, 19, <i>Christiana, Norway</i> .
	29, <i>Burlington, Vt.</i>		29, <i>Albany, Kinderhook</i> *, <i>Union Hall</i> *.
AUGUST	31, <i>Onondaga</i> *.		30, <i>Albany, Cortland, Mexico, Pompey</i> ; <i>Newberry, Vt.</i>
	17, <i>Auburn</i> .	JUNE	1, <i>Newberry, Vt.</i>
	25, <i>Schenectady</i> ; <i>Newberry, Castleton and Burlington, Vermont</i> ; <i>England</i> ; <i>Norway</i> .		2, <i>Middlebury</i> .
	26, <i>Schenectady</i> .	JULY	25, <i>Albany</i> *.
	27, <i>Christiana, Norway</i> .		26, <i>Albany, Cortland, Gouverneur, Kinderhook, Montgomery, Mexico</i> ; <i>Macao, East Indies</i> .
	28, <i>Lowville, Mount Pleasant, Onondaga</i> ; <i>Christiana, Norway</i> .		27, <i>Mexico</i> .
	29, <i>Clinton</i> .	AUGUST	14, <i>Cortland</i> .
SEPTEMBER	31, <i>Christiana, Norway</i> .		15, <i>Albany</i> *, <i>Ithaca</i> .
	3, <i>Christiana, Norway</i> ; <i>Yakoutsck, Russia</i> .		27, <i>Albany</i> *, <i>Utica</i> *.
	5, <i>Onondaga</i> *.		29, <i>Albany</i> .
	6, <i>Christiana, Norway</i> .		13, <i>Pompey</i> .
	7, <i>Rochester</i> .	SEPTEMBER	22, <i>Hamilton, Fredonia, Gouverneur, Ogdensburgh, Mexico</i> *; <i>Christiana, Norway</i> ; <i>Yakoutsck, Russia</i> .
	8, 9, <i>Christiana, Norway</i> .		28, <i>Ogdensburgh, Onondaga</i> .
	18, <i>Ithaca</i> ; <i>Yakoutsck, Russia</i> .		7, <i>Ogdensburgh</i> .
	20, <i>Bridgewater, Cazenovia, Onondaga</i> ; <i>Christiana, Norway</i> .		12, <i>Pompey</i> ; <i>Christiana, Norway</i> .
	21, <i>Auburn, Pompey</i> ; <i>Christiana, Norway</i> .		13, <i>Albany</i> *, <i>Cayuga, Franklin (P.)</i> , <i>Hamilton, Fredonia, Gouverneur, Ithaca, Ogdensburgh, Cazenovia, Mexico, Rochester, St. Lawrence, Utica, Onondaga</i> *.
	23, <i>Cherry Valley, Ithaca, Kinderhook, Lewiston, Monroe, Newburgh, Onondaga, Pompey, Rochester, Schenectady</i> ; <i>Christiana and Carlstadt, Norway</i> .		14, <i>Onondaga</i> *, <i>Franklin (P.)</i> , <i>Albany</i> *, <i>Hamilton, Fairfield, Fredonia, Gouverneur, Ithaca, Johnstown, Cazenovia, Pompey, Mount Pleasant, Ogdensburgh</i> *, <i>Utica, Oneida Institute, St. Lawrence</i> ; <i>Newberry, Vt.</i>
	24, <i>Oneida Institute, Onondaga, Pompey</i> .		15, <i>Onondaga</i> *, <i>Albany</i> *, <i>Franklin (P.)</i> *, <i>Cortland, Fairfield, Fredonia, Gouverneur</i> *, <i>Ithaca, Johnstown, Cazenovia, Pompey, Mexico</i> *, <i>Rochester, St. Lawrence, Utica</i> *; <i>Newberry, Vt.</i> ; <i>Christiana, Norway</i> .
	27, 28, <i>Christiana, Norway</i> .		16, <i>Albany, Onondaga</i> *, <i>Franklin (P.)</i> , <i>Fredonia, Cortland</i> *, <i>Gouverneur, Mexico, Utica, Rochester</i> ; <i>Newberry, Vt.</i> ; <i>Christiana, Norway</i> ; <i>Gaines</i> *
OCTOBER	30, <i>Monroe, Onondaga</i> *.		
	5, <i>Christiana, Norway</i> .		
	6, <i>Ithaca</i> .		
	18, <i>Paris, France</i> ; <i>Stockholm, Sweden</i> .		
	19, <i>Christiana, Norway</i> .		
	22, <i>Gaines</i> *, <i>Ithaca</i> .		

1838.		1839.	
SEPTEMBER	17, <i>Onondaga*</i> , <i>Albany</i> , <i>Franklin (P.)</i> , <i>Fredonia</i> , <i>Cortland*</i> , <i>Gouverneur</i> , <i>Mexico</i> , <i>Hartwick*</i> , <i>Ithaca*</i> , <i>Johnstown</i> , <i>Middlebury</i> , <i>Utica*</i> .	MAY	14, <i>Canandaigua</i> , <i>Ithaca</i> . 16, <i>Rochester</i> .
	18, <i>Fredonia</i> .		17, <i>Onondaga</i> , <i>Mexico</i> , <i>Albany</i> .
	19, <i>Hamilton*</i> .	JUNE	7, <i>Albany*</i> , <i>Franklin (M.)*</i> , <i>Ithaca</i> <i>Utica</i> . 12, <i>Cortland</i> .
	20, <i>Gouverneur</i> , <i>Mexico</i> , <i>Utica</i> .	JULY	3, <i>Lowville</i> . 4, <i>Cortland</i> .
OCTOBER	24, 26, <i>Christiana</i> , <i>Norway</i> .	AUGUST	10, <i>Lewiston*</i> . 20, <i>Utica</i> . 22, <i>Lowville*</i> . 28, <i>Canandaigua</i> , <i>Utica*</i> ; <i>Newberry</i> , <i>Vt</i> . 29, <i>Lewiston</i> . 31, <i>Franklin (M.)</i> .
	7, 13, <i>Christiana</i> , <i>Norway</i> .		3, <i>Albany*</i> , <i>Cambridge*</i> , <i>Canandaigua*</i> , <i>Cortland*</i> , <i>Erasmus Hall*</i> , <i>Fairfield*</i> , <i>Franklin (M.)*</i> , <i>Franklin (P.)*</i> , <i>Fredonia*</i> , <i>Gaines*</i> , <i>Ithaca*</i> , <i>Gouverneur*</i> , <i>Kingston*</i> , <i>Lausburgh*</i> , <i>Lewiston*</i> , <i>Middlebury*</i> , <i>Kinderhook*</i> , <i>Lowville*</i> , <i>Montgomery*</i> , <i>Mount Pleasant*</i> , <i>Oneida Institute*</i> , <i>Onondaga*</i> , <i>Oxford*</i> , <i>Redhook*</i> , <i>Mexico*</i> , <i>Rochester*</i> , <i>St. Lawrence</i> , <i>Springville*</i> , <i>Union Hall*</i> , <i>Utica*</i> ; <i>Boston</i> , <i>Mass.</i> ; <i>Indiana</i> ; <i>New-Orleans</i> , <i>La.</i> ; <i>New Haven</i> , <i>Ct.</i> ; <i>Middlebury</i> , <i>Vt.</i> ; <i>Nashville</i> , <i>Tenn.</i> ; at sea, <i>Latitude N. 48°</i> , <i>Longitude 44° West</i> from <i>Paris</i> , <i>France</i> ; <i>Piedmont</i> ; <i>Isle of Sky</i> .
	16, <i>Albany*</i> , <i>Rochester</i> .		4, <i>Canandaigua*</i> ; <i>Newberry</i> , <i>Vt.</i> ; <i>Isle of Sky</i> . 6, <i>Canandaigua*</i> .
NOVEMBER	20, <i>Christiana</i> , <i>Norway</i> .		10, <i>Christiana</i> , <i>Norway</i> .
	9, <i>Utica*</i> .		14, <i>Canandaigua</i> , <i>Cortland*</i> , <i>Ithaca*</i> ; <i>Newberry</i> , <i>Vt</i> .
	13, <i>Scotland</i> .		28, <i>Canandaigua</i> , <i>Rochester</i> .
	14, <i>Albany*</i> , <i>Onondaga</i> , <i>Mexico</i> ; <i>Christiana</i> , <i>Norway</i> .	OCTOBER	1, <i>Canandaigua*</i> . 4, <i>Franklin (M.)</i> . 8, <i>Christiana</i> , <i>Norway</i> . 10, <i>Albany*</i> , <i>Cortland</i> , <i>Franklin (M.)</i> . 12, 13, <i>Christiana</i> , <i>Norway</i> . 14, <i>Franklin (M.)</i> . 22, <i>Albany*</i> , <i>Granville</i> ; <i>Strasbourg</i> , <i>Aix</i> , <i>Meaux</i> , <i>Marsailles</i> , <i>Paris</i> , <i>Rome</i> , <i>Renac</i> , <i>Piamboeuf</i> and elsewhere in <i>Europe</i> .
	17, <i>Scotland</i> .		28, <i>Christiana</i> , <i>Norway</i> ; <i>Isle of Sky</i> .
	24, <i>Christiana</i> , <i>Norway</i> .	NOVEMBER	3, <i>Christiana</i> , <i>Norway</i> . 4, <i>Onondaga</i> ; <i>Christiana</i> , <i>Norway</i> . 6, <i>Russia</i> . 10, <i>Christiana</i> , <i>Norway</i> ; <i>Russia</i> . 13, <i>Christiana</i> , <i>Norway</i> . 17, <i>Bogustousk</i> , <i>Russia</i> . 18, <i>Canandaigua*</i> ; <i>Newberry</i> , <i>Vt</i> . 22, <i>Bogustousk</i> , <i>Russia</i> . 30, <i>Canandaigua*</i> , <i>Cortland</i> , <i>Mexico</i> .
	25, <i>Albany*</i> .	DECEMBER	1, 4, <i>Christiana</i> , <i>Norway</i> . 6, <i>St. Lawrence</i> .
	26, <i>Mount Pleasant*</i> .		1840.
DECEMBER	13, <i>Onondaga*</i> , <i>Rochester*</i> ; <i>Newberry</i> , <i>Vt.</i> ; <i>Christiana</i> , <i>Norway</i> .	JANUARY	3, <i>Clinton</i> , <i>Erasmus Hall</i> , <i>Franklin (M.)</i> , <i>Fredonia</i> , <i>Gaines*</i> , <i>Gouverneur</i> , <i>Granville</i> , <i>Montgomery</i> , <i>St. Lawrence</i> , <i>Salem*</i> ; <i>Newberry</i> , <i>Vt.</i> ; <i>Scotland</i> ; <i>Geneva</i> , <i>Switzerland</i> ; <i>Christiana</i> , <i>Norway</i> .
	14, <i>Ogdensburgh</i> ; <i>Newberry</i> , <i>Vt.</i> ; <i>Christiana</i> , <i>Norway</i> ; <i>Scotland</i> .		4, <i>Clinton</i> , <i>Franklin (M.)</i> , <i>Gouverneur</i> , <i>Granville</i> , <i>Lowville</i> , <i>Mexico*</i> , <i>St. Lawrence</i> , <i>Salem*</i> , <i>Onondaga*</i> ; <i>Newberry</i> , <i>Vt.</i> ; <i>Isle of Sky</i> , <i>Christiana</i> , <i>Norway</i> .
	15, <i>Hamilton</i> .		5, <i>Clinton</i> , <i>Erasmus Hall</i> ; <i>Toronto</i> , <i>C. W.</i> ; <i>Christiana</i> , <i>Norway</i> .
			8, <i>North Salem</i> .
1839.			25, 28, 29, <i>Christiana</i> , <i>Norway</i> .
JANUARY	2, <i>Christiana</i> , <i>Norway</i> .		30, <i>Fairfield</i> , <i>Franklin (M.)</i> , <i>North Salem</i> , <i>Mexico</i> , <i>Albany*</i> .
	5, <i>Fairfield</i> .		31, <i>Clinton</i> , <i>Fairfield</i> , <i>Franklin (M.)</i> , <i>Mexico</i> , <i>St. Lawrence*</i> , <i>Onondaga</i> .
	6, <i>Christiana</i> , <i>Norway</i> .	FEBRUARY	5, <i>Mexico</i> . 7, <i>Fredonia</i> , <i>Lowville*</i> . 15, <i>Gouverneur</i> , <i>St. Lawrence</i> . 18, 20, <i>Christiana</i> , <i>Norway</i> . 21, <i>Cortland</i> . 22, <i>Christiana</i> , <i>Norway</i> . 24, <i>Franklin (M.)</i> . 25, 26, 27, <i>Christiana</i> , <i>Norway</i> .
	10, <i>Clinton</i> , <i>Cortland</i> , <i>Fairfield</i> , <i>Gaines*</i> , <i>Kinderhook*</i> , <i>Onondaga</i> , <i>Rochester*</i> .		5, <i>Fairfield</i> , <i>Franklin (M.)</i> , <i>Fredonia*</i> , <i>Gouverneur</i> , <i>Granville</i> , <i>Kinderhook</i> , <i>Lowville*</i> , <i>Redhook</i> , <i>Salem</i> , <i>Onondaga*</i> , <i>Albany</i> ; <i>Toronto</i> , <i>C. W.</i>
	11, <i>Auburn</i> .		
	13, <i>Granville</i> , <i>Onondaga</i> .		
	14, <i>Auburn*</i> , <i>Cambridge</i> , <i>Cortland</i> , <i>Fairfield</i> , <i>Franklin (M.)</i> , <i>Fredonia</i> , <i>Gaines*</i> , <i>Gouverneur</i> , <i>Mexico</i> , <i>Middlebury</i> , <i>St. Lawrence</i> , <i>Utica*</i> , <i>Cazenovia</i> , <i>Onondaga*</i> ; <i>Newberry</i> , <i>Vt.</i> ; <i>Christiana</i> , <i>Norway</i> .		
	15, <i>North of Russia</i> .		
	16, <i>Mexico</i> , <i>Rochester</i> ; <i>Christiana</i> , <i>Norway</i> .		
	18, <i>Granville</i> ; <i>England</i> . <i>Brilliant</i> .		
	19, <i>Franklin (M.)</i> , <i>Fredonia</i> , <i>Gouverneur</i> , <i>Kinderhook*</i> , <i>Lowville</i> , <i>Rochester</i> , <i>Middlebury</i> , <i>St. Lawrence</i> , <i>Union Hall</i> ; <i>Christiana</i> , <i>Norway</i> .		
	20, <i>Christiana</i> , <i>Norway</i> .		
	21, <i>Kinderhook</i> .		
FEBRUARY	4, <i>Cortland</i> , <i>Franklin (M.)</i> , <i>Lowville*</i> .		
	5, <i>Christiana</i> , <i>Norway</i> .		
	9, <i>Franklin (M.)</i> .		
	18, <i>Christiana</i> , <i>Norway</i> .		
	19, <i>Lowville</i> .		
	21, <i>Christiana</i> , <i>Norway</i> .		
	5, <i>Fredonia*</i> , <i>Gouverneur</i> , <i>Lowville</i> , <i>Mount Pleasant</i> , <i>Cazenovia*</i> , <i>Onondaga*</i> , <i>Rochester*</i> .		
	10, <i>Fairfield</i> , <i>Gouverneur</i> , <i>Granville</i> , <i>Lowville</i> , <i>Onondaga</i> , <i>Rochester</i> , <i>Utica</i> .		
	15, <i>Lowville</i> , <i>Cazenovia</i> , <i>Utica</i> ; <i>Newberry</i> , <i>Vt</i> .		
	16, <i>Gaines</i> , <i>Gouverneur</i> , <i>Lowville</i> ; <i>Christiana</i> , <i>Norway</i> .		
	18, <i>Christiana</i> , <i>Norway</i> .		
	19, <i>Fredonia*</i> , <i>Gaines</i> , <i>Gouverneur</i> , <i>Lowville</i> , <i>Mexico</i> , <i>Onondaga</i> .		
	24, <i>Redhook</i> .		
	31, <i>Christiana</i> , <i>Norway</i> .		
APRIL	3, <i>Lowville</i> .		
	7, <i>Cortland*</i> .		
	8, <i>Franklin (M.)</i> , <i>Gouverneur</i> , <i>Albany</i> ; <i>Christiana</i> , <i>Norway</i> .		
	9, 12, <i>Christiana</i> , <i>Norway</i> .		
	13, <i>Gouverneur</i> , <i>Rochester</i> ; <i>Christiana</i> , <i>Norway</i> .		
	14, <i>Christiana</i> , <i>Norway</i> .		
	15, <i>Gouverneur</i> .		
	16, <i>Newberry</i> , <i>Vt</i> .		
	20, <i>Clinton</i> .		
	21, <i>Newberry</i> , <i>Vt</i> .		
	22, <i>Lewiston</i> .		
MAY	4, <i>Franklin (M.)</i> .		
	5, <i>Cambridge</i> , <i>Canandaigua</i> , <i>Cortland</i> , <i>Gaines</i> , <i>Ithaca</i> , <i>Kinderhook</i> , <i>Lowville*</i> , <i>Rochester*</i> , <i>Utica</i> ; <i>Christiana</i> , <i>Norway</i> ; <i>Brussels</i> .		
	7, <i>St. Brice</i> , <i>France</i> ; <i>Parma</i> , <i>Italy</i> .		
	10, <i>Fredonia</i> , <i>Gouverneur</i> , <i>Kinderhook</i> , <i>Oneida Institute</i> , <i>Onondaga</i> , <i>Rochester</i> , <i>St. Lawrence</i> , <i>Utica</i> .		
	11, <i>Franklin (M.)</i> .		
	12, <i>Rochester</i> .		

1840. MARCH	6, Toronto, C. W.	1840. NOVEMBER	13, Hudson, Rochester.
	8, Gaines*.		15, Cambridge.
APRIL	12, Franklin (M.), Lowville.		17, Rochester.
	13, Mexico, Onondaga; Christiana, Norway.		19, Cambridge.
MAY	19, 20, Christiana, Norway.		20, Lowville*.
	21, Toronto, C. W.; Christiana, Norway.	DECEMBER	21, 22, Christiana, Norway.
JUNE	22, Salem; Christiana, Norway.		12, 13, Christiana, Norway.
	23, Christiana, Norway.	1841. JANUARY	14, Cortland.
JULY	24, Franklin (M.).		17, Franklin (M.).
	25, Lowville*, Mexico, Rochester, Salem; Toronto, C. W.; Christiana, Norway.		20, Franklin (M.), Mexico; Toronto, C. W.; Christiana, Norway.
AUGUST	26, Salem; Christiana, Norway.		21, Franklin (M.); Newberry, Vt.
	27, 28, 29, Christiana, Norway.		23, 24, Christiana, Norway.
SEPTEMBER	1, Mexico, Onondaga*; Toronto, C. W.; Christiana, Norway.		25, Rochester.
	2, Rochester.		28, Toronto, C. W.
OCTOBER	4, Fredonia, North Salem, Mexico, Rochester, Onondaga*, Albany; Toronto, C. W.		31, Christiana, Norway.
	5, Cortland*.	FEBRUARY	10, 11, Statfuouste, Russia. Very singular.
NOVEMBER	9, Onondaga.		14, St. Lawrence.
	18, Christiana, Norway.	MARCH	15, Christiana, Norway.
DECEMBER	19, Fairfield, Franklin (M.), Gouverneur, Mexico, Rochester.		18, Toronto, C. W.
	20, Franklin (M.), Lowville*, Onondaga.	APRIL	19, 20, 24, Christiana, Norway.
JANUARY	21, Salem.		25, Toronto, C. W.; Christiana, Norway.
	23, North Salem*.	MAY	31, Christiana, Norway.
FEBRUARY	24, Fairfield, Franklin (M.), Granville, Lowville*, Mexico, St. Lawrence, Salem; Newberry, Vt.; Christiana, Norway.		7, North Salem*, Rochester*, Fairfield, Fredonia, Montgomery*, Springville.
	1, Cambridge, Lowville*, Mexico.	JUNE	8, North Salem*; Newberry, Vt.
MARCH	6, North Salem.		9, St. Lawrence.
	17, Franklin (M.), Gouverneur.	JULY	11, Cortland.
APRIL	20, Albany, Lowville.		15, Newberry, Vt.
	23, Franklin (M.); Caracas, South America.	AUGUST	16, 17, Gouverneur.
MAY	27, Franklin (M.); Toronto, C. W.		20, Cambridge.
	28, Rochester, Onondaga.	SEPTEMBER	21, Onondaga*.
JUNE	29, Cambridge, Cayuga*, Cortland*, Erasmus Hall*, Fairfield*, Franklin (M)*, Franklin (P.), Kinderhook, Lowville*, Mount Pleasant*, North Salem*, Mexico, St. Lawrence, Springfield, Union Hall, Rochester*, Albany*, Onondaga*, New-York; New Haven, Ct.		22, North Salem, Cambridge, Cazenovia*, Fairfield, Fredonia, Ithaca, Springville*, Onondaga*.
	30, Albany, Lowville, Mexico, Rochester.	OCTOBER	23, Cambridge, Fairfield, Gouverneur, Lewiston, St. Lawrence*, Springville, North Salem, Rochester*, Cuba, N. Y.; Newberry, Vt.
JULY	10, North Salem.		24, St. Lawrence, Onondaga; Toronto, C. W.
	25, Franklin (M.).	NOVEMBER	25, Lowville.
AUGUST	28, Lowville*.		1, St. Lawrence.
	4, Cayuga, Onondaga.	DECEMBER	11, Rochester; Newberry, Vt.
SEPTEMBER	21, Toronto, C. W.		14, Cambridge; Newberry, Vt.; Christiana, Norway.
	25, Onondaga*.	JANUARY	15, Lowville*; Newberry, Vt.; Christiana, Norway.
OCTOBER	29, Cambridge, Clinton*, Fairfield, Albany, Onondaga*.		16, Fredonia, Cuba, N. Y.
	9, Fairfield.	FEBRUARY	17, Cambridge, Fairfield, Fredonia, Rochester; Newberry, Vt.
NOVEMBER	10, Onondaga*.		20, Onondaga.
	19, Onondaga*, Cortland, Fairfield, Franklin (M.)*, Mexico, Rochester; Toronto, C. W.	MARCH	22, Newberry, Vt.; Durham, York and elsewhere in England. Brilliant.
DECEMBER	20, Fairfield.		23, Clinton*, Cambridge, Fredonia*, Lowville*, Springville, North Salem*, Onondaga*, Rochester.
	21, Onondaga.	APRIL	24, Cambridge; Newberry, Vt.
JANUARY	23, Onondaga.		7, 8, Christiana, Norway.
	25, Lowville, Onondaga*.	MAY	11, Cambridge; Christiana, Norway.
FEBRUARY	26, Fairfield, North Salem; Christiana, Norway.		16, St. Lawrence.
	28, Clinton*, Fairfield, Lowville*, Onondaga; Toronto, C. W.; Christiana, Norway.	JUNE	18, Redhook, North Salem*.
MARCH	1, Onondaga; Newberry, Vt.		19, Toronto, C. W.
	2, Toronto, C. W.	JULY	20, Lowville*.
APRIL	21, North Salem; Parma, Italy; Christiana, Norway.		21, Rochester.
	23, Cambridge.	AUGUST	22, Toronto, C. W.
MAY	24, Franklin (M.), Rochester.		25, Lowville*.
	25, Onondaga*; Toronto, C. W.	SEPTEMBER	7, Mexico, St. Lawrence.
JUNE	27, Toronto, C. W.		8, Cambridge, Cayuga*, Fairfield, Lowville*, Springville, North Salem, Onondaga, Rochester.
	30, Christiana, Norway.	OCTOBER	9, Onondaga, Rochester.
JULY	2, Franklin (M.).		20, Rochester.
	11, Rochester.	NOVEMBER	26, Onondaga.
AUGUST	18, Christiana, Norway.		11, North Salem*.
	19, Cambridge; Toronto, C. W.; Parma, Italy.	DECEMBER	15, Cortland, Lewiston, Lowville*, St. Lawrence*.
SEPTEMBER	20, Franklin (M.)*, Lowville*; Newberry, Vt.		6, St. Lawrence.
	21, Cortland, Onondaga.	JANUARY	18, Union Literary Society.
OCTOBER	22, Newberry, Vt.; Parma, Italy; Christiana, Norway.		19, Cambridge, Cazenovia, Cortland, Franklin (P.), Gaines*, Lowville, Millville, St. Lawrence, Springville, Albany, Onondaga, Rochester*; Toronto, Canada West.
	23, Cortland.	FEBRUARY	20, St. Lawrence.
NOVEMBER	29, Parma, Italy.		21, Lewiston.
		MARCH	24, Cortland, Onondaga.
DECEMBER			25, Rochester.

1841.			1842.
JULY	28, Toronto, C. W.	APRIL	11, Cortland, Franklin (M.), Onondaga, Rochester, Albany*; Christiana, Norway.
	29, St. Lawrence*.		12, Franklin (M.); Christiana, Norway.
AUGUST	3, Plattsburgh.		13, Christiana, Norway.
	4, Millville*.		14, Albany, Cayuga, Gouverneur*, Lowville, North Salem*, Onondaga*; Toronto, C. W.; Christiana, Norway.
	5, Redhook, Mexico*.		15, Cayuga, Franklin (M.), Gaines, Lowville*, Onondaga, Rochester*; Toronto, C. W.; Christiana, Norway.
	6, Cambridge*, Cortland, Franklin (P.), Lowville, Oxford*, Union Literary Society, Albany*, Onondaga*, North Salem*, Rochester*; Cuba, N. Y.		16, 29, Christiana, Norway.
	7, St. Lawrence.		2, St. Lawrence.
	11, Franklin (P.), Lowville, Onondaga.	JUNE	4, Rochester*, Auburn*, Gaines; Toronto, C. W.
	14, Plattsburgh, Redhook; Toronto, C. W.		13, Union Literary Society.
	16, Plattsburgh.		2, Franklin (M.)*, Onondaga.
	17, St. Lawrence.	JULY	3, Cortland, Franklin (M.)*, Fredonia*, Hamilton, Johnstown, Rochester; Toronto, C. W.
	22, Lowville, St. Lawrence.		6, Gaines.
	23, Lowville; Toronto, C. W.		9, Onondaga.
	26, Christiana, Norway.		13, Gaines.
	27, Salem*; Christiana, Norway.		31, Albany, Cherry Valley, North Salem, Redhook, Rochester; Toronto, C. W.
SEPTEMBER	12, Cortland, Lowville, Albany, St. Lawrence, Onondaga.	AUGUST	5, Albany, Franklin (M.)*, Union Literary Society; Toronto, C. W.
	13, Christiana, Norway.		7, 9, 10, Christiana, Norway.
	14, 16, Lowville.	SEPTEMBER	2, North Salem; Christiana, Norway.
	18, North Salem.		19, Franklin (M.).
	24, Christiana, Norway.		20, 28, Christiana, Norway.
	25, Cayuga*, Erasmus Hall, Union Literary Society, Albany*, North Salem*, Onondaga*, Rochester; Toronto, C. W.; Christiana, Norway. Great magnetic disturbance at Greenwich, England.		29, Hamilton.
OCTOBER	5, Hamilton*.	OCTOBER	30, Christiana, Norway.
	6, Cayuga, Lewiston.		7, Montpelier, France; Christiana, Norway.
	8, Lowville; Cuba, N. Y.		8, Christiana, Norway.
	9, Cortland, Lowville, Albany, North Salem*, Onondaga; Toronto, C. W.		13, Onondaga.
	13, Albany*.		15, 27, 28, Christiana, Norway.
	15, 16, Christiana, Norway.		29, Franklin (M.), Christiana, Norway.
	18, Geneva, Switzerland; Christiana, Norway.		30, Christiana, Norway.
	24, Toronto, C. W.	NOVEMBER	3, 4, Christiana, Norway.
	28, 29, Christiana, Norway.		9, Onondaga.
NOVEMBER	1, Millville*.		10, Christiana, Norway.
	4, Toronto, C. W.		21, Albany, Cortland, Franklin (M.), Cazenovia, Mount Pleasant, North Salem, Onondaga, Oxford, Redhook, St. Lawrence, Union Hall; Newberry, Vt.; Christiana, Norway.
	5, Cortland.		24, Redhook.
	6, 7, Christiana, Norway.		27, Onondaga.
	8, Toronto, C. W.; Christiana, Norway.	DECEMBER	5, 6, 9, Christiana, Norway.
	10, Lowville; Christiana, Norway.		17, Redhook.
	11, Christiana, Norway.		19, Gouverneur.
	12, Paris, France; Christiana, Norway.		27, 28, Christiana, Norway.
	13, 14, Christiana, Norway.	1843.	
	17, Albany, Plattsburgh, North Salem; Christiana, Norway.	JANUARY	2, 5, Christiana, Norway.
	18, Cambridge, Cortland, Fairfield, Fredonia*, Ithaca*, Kinderhook*, Lewiston, Millville, Mount Pleasant, Newburgh*, Oxford*, Redhook, Union Literary Society, Albany*, North Salem*, Rochester, Ballston Spa; Boston, Mass.; Toronto, C. W.; Christiana, Norway.		10, Auburn.
	19, Christiana, Norway.		12, Edinburgh, Scotland.
DECEMBER	3, 9, Christiana, Norway.		22, Christiana, Norway.
	14, Newburgh, North Salem; Christiana, Norway.		24, Lewiston.
	19, Christiana, Norway.		27, Christiana, Norway.
			28, Mahers town, Holland; Edinburgh, Scotland; Christiana, Norway.
1842.			29, Onondaga; Christiana, Norway.
JANUARY	6, Christiana, Norway.		31, Franklin (M.).
	11, Lewiston; Newberry, Vt.	FEBRUARY	3, Union Literary Society.
	15, Franklin (M.), Gouverneur, Granville, Kinderhook, North Salem, Plattsburgh, St. Lawrence; Newberry, Vt.; Toronto, C. W.; Christiana, Norway.		4, Lewiston.
			6, Christiana, Norway.
FEBRUARY	1, Cortland.		13, St. Lawrence.
	8, Christiana, Norway.		17, Christiana, Norway.
	12, 13, North Salem.		18, St. Lawrence.
	14, 16, 18, Christiana, Norway.		19, 20, 22, Christiana, Norway.
	24, Alford, N. B.; Christiana, Norway.		23, Franklin (M.), Lewiston; Christiana, Norway.
MARCH	1, 5, Christiana, Norway.		24, North Salem; Mahers town, Holland; Christiana, Norway.
	10, Toronto, C. W.		25, Franklin (M.).
	12, Franklin (M.).	MARCH	26, St. Lawrence.
	16, Christiana, Norway.		2, Newberry, Vt.
	20, St. Lawrence.		4, Albany, Cortland; Christiana, Norway.
	29, 30, Christiana, Norway.		5, Hamilton, Lewiston; Christiana, Norway.
APRIL	1, 3, Christiana, Norway.		6, Albany, Cortland, Fairfield, Franklin (M.), Fredonia, Hartwick, Johnstown, Lowville, North Salem, Onondaga, Rochester, Union Hall, Union Literary Society, Utica; Christiana, Norway.
	5, Lowville*; Christiana, Norway.		
	7, 8, Christiana, Norway.		
	10, Lewiston, Lowville, Onondaga; Christiana, Norway.		

1843.			17, <i>Johnstown, Middlebury*</i> , New-York; Christiana, Norway.	1844.			22, Holland.
MARCH			12, Holland.	FEBRUARY			2, Holland.
			17, Christiana, Norway.	MARCH			7, <i>Cortland, Hamilton, Onondaga</i> ; Christiana, Norway.
			18, New-York.				8, <i>Auburn</i> .
			20, 21, 22, Christiana, Norway.				9, <i>Lewiston</i> ; Holland.
			20, Newberry, Vt.; Holland.				12, Holland.
APRIL			30, Christiana, Norway.				17, 19, 20, 21, Christiana, Norway.
			2, <i>Franklin (M.)</i> , <i>Middlebury, Onondaga</i> .				23, 24, <i>Onondaga</i> .
			4, <i>St. Lawrence</i> .				29, Newberry, Vt.; Holland.
			5, <i>Cortland, Franklin (M.)</i> , <i>Johnstown, Lewiston, Lowville, Onondaga, Oxford, Syracuse</i> ; Holland; Edinburgh, Scotland.	APRIL			31, Christiana, Norway.
			6, <i>Albany*</i> .				5, <i>Albany*</i> , <i>Onondaga</i> ; Holland.
			11, <i>Auburn</i> .				10, Holland.
			15, <i>Auburn*</i> .				17, <i>Onondaga</i> ; Holland; Christiana, Norway.
			17, Christiana, Norway.				19, <i>Onondaga</i> .
			19, <i>Rochester</i> .	MAY			4, <i>Hamilton</i> .
			22, <i>North Salem</i> .				5, <i>Rochester, St. Lawrence</i> .
MAY			23, Edinburgh, Scotland.				8, <i>Onondaga, Rochester</i> ; Holland.
			6, England, France, Belgium.				14, <i>Fredonia, Lowville, Onondaga, Oxford</i> .
			7, <i>St. Lawrence</i> .				21, Holland.
			25, <i>Syracuse</i> .				22, <i>Rochester</i> ; Holland.
			29, <i>Union Literary Society</i> .	JUNE			16, <i>Cortland</i> .
JUNE			3, <i>Franklin (M.)*</i> .	JULY			8, <i>Onondaga</i> .
			8, <i>Union Literary Society</i> .	AUGUST			1, <i>Cortland</i> ; Whitehaven, England; Christiana, Norway.
			13, <i>Auburn</i> .				2, Holland.
			15, <i>Cortland</i> .				9, Holland; England.
			22, <i>Hamilton*</i> .				22, Christiana, Norway.
			29, <i>Franklin (M.)</i> .	SEPTEMBER			4, <i>Hamilton</i> .
			30, <i>Franklin (M.)</i> , <i>Newburgh, Rochester</i> .				8, Christiana, Norway.
JULY			1, <i>Salem</i> .				14, <i>Lowville</i> .
			2, <i>Auburn</i> .				15, <i>St. Lawrence</i> .
			4, <i>Union Literary Society</i> .				17, Newberry, Vt.
			13, <i>Cortland</i> .				19, <i>St. Lawrence</i> ; Christiana, Norway.
			25, <i>Albany*</i> , <i>Cortland, Lowville, Salem, Onondaga, Utica</i> ; Newberry, Vt.	OCTOBER			20, Christiana, Norway.
			30, <i>Onondaga</i> .				1, Christiana, Norway.
			31, <i>Auburn</i> .				2, Holland.
AUGUST			3, <i>Franklin (M.)</i> , <i>Albany*</i> , <i>Onondaga</i> .				4, Christiana, Norway.
			12, <i>Union Literary Society</i> .				5, 7, Holland.
			22, <i>Middlebury</i> ; Edinburgh, Scotland.				20, <i>Onondaga, Rochester*</i> , <i>St. Lawrence</i> ; Holland.
SEPTEMBER			1, 2, Christiana, Norway.				21, 23, <i>St. Lawrence</i> .
			9, <i>Auburn</i> .	NOVEMBER			1, <i>St. Lawrence*</i> .
			18, <i>Lowville</i> ; Christiana, Norway; Holland.				2, Christiana, Norway.
			19, Holland.				11, 12, Holland.
			20, <i>Union Literary Society</i> ; Holland.				13, Christiana, Norway; Holland.
			21, 22, 26, Christiana, Norway.				15, <i>Hamilton*</i> , <i>Onondaga</i> .
			27, <i>Cazenovia, Franklin (M.)</i> , <i>Lowville, Onondaga, St. Lawrence, Syracuse</i> .				16, <i>Cazenovia, Cortland, Fredonia, Lewiston, Lowville, Onondaga, Oxford, Rochester</i> ; Christiana, Norway.
			29, <i>Franklin (M.)</i> .				18, Holland.
			30, <i>Franklin (M.)</i> , <i>Oxford</i> ; Newberry, Vt.				19, <i>Lewiston</i> .
OCTOBER			5, <i>Hamilton*</i> .				24, Holland.
			9, <i>Franklin (M.)</i> .	DECEMBER			4, Holland.
			14, Christiana, Norway.				29, <i>New-York*</i> , <i>St. Lawrence, Union Hall</i> ; Holland.
			15, Christiana, Norway; Holland.				30, France.
			16, Holland.	1845.			
			19, <i>Onondaga, Union Hall, Union Literary Society</i> .	JANUARY			1, Holland.
			Magnetic disturbance at Lake Athabasca, British America; Toronto, C. W.				8, <i>Lansingburgh*</i> , <i>St. Lawrence</i> .
			20, <i>Rochester, Lowville</i> ; Lake Athabasca, Brit. Amer.				9, <i>Albany, Auburn, Cortland, Gouverneur, Hamilton, Kingston, Lowville, Newburgh, Onondaga*</i> , <i>North Salem, Salem, Rochester</i> ; Newberry, Vt.; Holland.
			21, <i>Lewiston</i> .				19, <i>St. Lawrence</i> ; Holland.
			24, Christiana, Norway.				20, 21, 23, 24, 26, 28, 29, 30, Holland.
			26, Christiana, Norway; Holland.	FEBRUARY			1, Holland.
NOVEMBER			2, 13, 14, Holland.				5, Holland; Christiana, Norway.
DECEMBER			6, Edinburgh, Scotland.				7, Holland.
			8, Parma, Italy.				24, <i>Lowville, Onondaga</i> ; Newberry, Vt.; Holland.
			9, Christiana, Norway.				25, <i>Albany*</i> , <i>Dutchess, Hamilton, Lowville, Oxford, North Salem, Rochester</i> ; Newberry, Vt.; Christiana, Norway.
			11, Toronto, C. W.; Holland.				26, Holland.
			12, 27, Holland.				27, <i>Auburn</i> .
1844.							28, Holland.
JANUARY			5, Holland.				3, Christiana, Norway.
			8, Christiana, Norway.	MARCH			9, 14, 18, 19, 20, 23, 24, 25, 26, Holland.
			10, Holland.				27, Christiana, Norway.
			16, 22, Christiana, Norway.				28, Christiana, Norway; Holland.
			24, <i>North Salem*</i> ; Toronto, C. W.; Lake Athabasca, British America.				29, Holland.
FEBRUARY			4, <i>Auburn*</i> .				
			7, 11, Holland.				
			17, Christiana, Norway.				

1845.	
APRIL	13, <i>Albany*</i> , <i>Fredonia</i> , <i>Lowville</i> , <i>Onondaga</i> , <i>Oxford</i> , <i>Aurora</i> ; Holland.
	14, <i>St. Lawrence</i> .
	15, 19, Holland.
	28, Christiana, Norway.
	30, <i>North Salem</i> ; Holland.
MAY	11, Holland.
	29, <i>Cortland</i> .
JULY	4, <i>Cortland</i> .
	24, <i>Albany</i> , <i>Cortland</i> .
	25, <i>Albany</i> .
AUGUST	1, <i>Farmers' Hall</i> , <i>Lowville</i> .
	3, <i>Lowville</i> .
	26, <i>Gouverneur</i> .
	27, <i>Gouverneur</i> .
	29, Holland.
	30, <i>North Salem</i> ; Holland; Christiana, Norway.
	31, Christiana, Norway.
SEPTEMBER	2, Christiana, Norway; Holland.
	8, <i>Gouverneur</i> .
	25, Holland.
	27, <i>Lowville</i> , <i>Gouverneur</i> ; Holland.
OCTOBER	1, Christiana, Norway; Holland.
	3, Christiana, Norway.
	9, <i>North Salem</i> .
	20, Holland.
	21, <i>Lowville</i> , <i>Gouverneur</i> , <i>North Salem</i> , <i>Salem</i> ; New- berry, Vt.; Holland.
	31, Holland.
NOVEMBER	1, Christiana, Norway.
	4, 5, Christiana, Norway; Holland.
	17, Holland.
DECEMBER	3, <i>Cortland</i> , <i>Lowville</i> , <i>St. Lawrence</i> , <i>Rochester</i> , <i>Ox-</i> <i>ford*</i> ; Nottingham, England; Markerstown, N. B.; Holland; Swansea, Wales.
	13, Holland.
1846.	
JANUARY	23, <i>Albany</i> , <i>Cortland</i> , <i>Newburgh</i> , <i>St. Lawrence</i> .
	24, <i>Gouverneur</i> .
	28, <i>Dutchess</i> , <i>Hamilton</i> , <i>Lowville</i> , <i>North Salem</i> .
FEBRUARY	14, Newberry, Vt.
	25, Newberry, Vt.; Holland.
	26, Holland.
MARCH	13, Christiana, Norway.
	16, Holland.
	18, Christiana, Norway.
	25, <i>Mount Pleasant*</i> ; Christiana, Norway.
	28, <i>Mount Pleasant</i> .
APRIL	6, Holland.
	14, <i>St. Lawrence</i> .
	15, <i>Gouverneur</i> ; Christiana, Norway.
	16, <i>Gouverneur</i> , <i>Albany</i> , <i>Hamilton</i> , <i>Lowville</i> , <i>New-</i> <i>burgh</i> , <i>North Salem</i> , <i>St. Lawrence</i> ; Holland; Christiana, Norway.
	22, Christiana, Norway.
	24, 25, <i>Lowville</i> .
MAY	3, <i>Monroe</i> .
	4, <i>Hamilton</i> , <i>St. Lawrence</i> ; Christiana, Norway.
	13, <i>Dutchess</i> , <i>Lansingburgh</i> .
	14, <i>North Salem</i> , <i>Onondaga</i> .
	17, <i>St. Lawrence</i> .
	18, <i>Cazenovia</i> , <i>St. Lawrence</i> .
	19, <i>Gouverneur</i> , <i>Hamilton</i> .
	21, <i>Gouverneur</i> .
	23, <i>Hamilton</i> .
	30, <i>Millville</i> .
JUNE	8, At Sea (see Regents' Rep. 1850, p. 367).
	10, <i>Monroe</i> .
	14, <i>Gouverneur</i> .
JULY	20, <i>Hamilton</i> .
	27, <i>Rochester</i> .
	31, <i>Lowville</i> .
AUGUST	2, <i>Gouverneur</i> .
	6, <i>Gouverneur</i> , <i>Hamilton*</i> , <i>Rochester</i> , <i>Albany</i> .
	10, <i>Gouverneur</i> .
	14, <i>St. Lawrence</i> .
	15, <i>Hamilton</i> .
	21, 22, Christiana, Norway.
	24, <i>Cortland</i> , <i>Dutchess</i> , <i>Kinderhook</i> , <i>St. Lawrence</i> ; Christiana, Norway; Holland.

1846.	
AUGUST	25, Christiana, Norway.
	27, Perthshire and elsewhere in Great Britain.
	28, 29, 31, Christiana, Norway.
SEPTEMBER	1, <i>New-York*</i> ; Christiana, Norway.
	9, <i>Oxford*</i> .
	10, <i>Dutchess</i> , <i>North Salem</i> ; Christiana, Norway; Hol- land.
	11, <i>Albany</i> , <i>Lansingburgh</i> ; Holland; Christiana, Nor- way.
	12, 13, 14, 17, 19, 20, Christiana, Norway.
	21, <i>Monroe</i> , <i>Mount Pleasant</i> , <i>North Salem</i> , <i>St. Lawrence</i> , <i>New-York</i> ; Dunse, N. B.; Christiana, Norway; Holland; Durham, England and Great Britain generally.
	22, <i>Onondaga</i> ; Holland; Christiana, Norway.
	23, <i>Albany*</i> , <i>Hamilton</i> , <i>St. Lawrence</i> ; Christiana, Nor- way.
	24, Christiana, Norway.
	25, <i>Lansingburgh</i> .
	27, England.
OCTOBER	2, <i>Millville*</i> .
	8, <i>New-York*</i> ; Holland.
	9, Holland.
	15, <i>Dutchess</i> , <i>Hamilton</i> , <i>Oxford*</i> .
	17, Dublin, Ireland.
	19, <i>Albany*</i> , <i>Fredonia</i> , <i>Hamilton</i> , <i>North Salem</i> , <i>New-</i> <i>York*</i> ; Dunse, N. B.; Holland.
	21, <i>Hamilton</i> , <i>North Salem</i> .
NOVEMBER	13, <i>Lowville</i> .
	17, <i>Cazenovia</i> , <i>Hamilton</i> , <i>New-York*</i> ; Dublin, Ireland; Holland.
DECEMBER	9, <i>Dutchess*</i> , <i>Kinderhook*</i> , <i>Lowville</i> , <i>Onondaga</i> , <i>St.</i> <i>Lawrence</i> , <i>Union Hall</i> , <i>Albany*</i> , <i>New-York*</i> ; Holland.
	22, <i>Fredonia</i> .
	23, <i>Albany</i> .
1847.	
JANUARY	17, <i>Lansingburgh</i> .
	25, <i>Albany</i> .
	30, Holland.
FEBRUARY	6, Holland.
	21, <i>Gouverneur*</i> .
MARCH	4, <i>Hamilton</i> .
	5, <i>Cortland</i> , <i>Hamilton</i> .
	6, <i>Gouverneur</i> , <i>Hamilton</i> .
	8, Newberry, Vt.
	15, <i>Plattsburgh</i> .
	18, <i>Rochester</i> .
	19, <i>Albany*</i> , <i>Auburn*</i> , <i>Erasmus Hall</i> , <i>Syracuse</i> , <i>Cort-</i> <i>land*</i> , <i>Dutchess*</i> , <i>Fairfield*</i> , <i>Fredonia*</i> , <i>Gouver-</i> <i>neur</i> , <i>Hamilton</i> , <i>Hartwick</i> , <i>Kinderhook</i> , <i>Kings-</i> <i>ton</i> , <i>Lewiston</i> , <i>Mount Pleasant*</i> , <i>New-York*</i> , <i>North Salem*</i> , <i>Onondaga*</i> , <i>Oxford</i> , <i>Plattsburgh</i> , <i>Rochester*</i> , <i>Springville*</i> , <i>St. Lawrence</i> , <i>Union</i> <i>Hall</i> ; <i>New Haven</i> , Ct.; <i>Newberry</i> and <i>Wood-</i> <i>stock</i> , Vt.; <i>Washington</i> , D. C.; <i>Cambridge</i> and <i>Boston</i> , Mass.; England; Holland.
	22, <i>Granville</i> .
	28, <i>New-York</i> , <i>North Salem</i> .
APRIL	3, <i>Lowville</i> , <i>Rochester</i> ; Holland.
	4, <i>Cortland</i> , <i>Lewiston</i> .
	6, <i>Dutchess*</i> .
	7, <i>Albany*</i> , <i>Erasmus Hall*</i> , <i>Fairfield*</i> , <i>Fredonia*</i> , <i>Hamilton*</i> , <i>Hartwick</i> , <i>Kinderhook*</i> , <i>Montgom-</i> <i>ery*</i> , <i>New-York*</i> , <i>North Salem*</i> , <i>Onondaga</i> , <i>Oxford*</i> , <i>Rochester</i> , <i>Union Hall</i> , <i>Cazenovia*</i> ; <i>Hartford</i> and <i>New Haven</i> , Ct.; <i>Washington</i> , D. C.; <i>Baltimore</i> , Md.
	10, 11, <i>Rochester</i> .
MAY	7, <i>Lowville*</i> , <i>Oxford</i> , <i>St. Lawrence</i> .
	9, <i>Gouverneur</i> .
	15, <i>Lowville</i> , <i>North Salem*</i> , <i>St. Lawrence</i> .
JUNE	12, <i>Albany*</i> , <i>Hamilton</i> , <i>Lansingburgh</i> , <i>Rochester</i> .
JULY	9, <i>Albany*</i> , <i>Hartwick</i> , <i>Kinderhook</i> .
	11, <i>Rochester</i> .
	12, <i>Hamilton</i> .
AUGUST	3, <i>Hamilton</i> .
	4, <i>Albany*</i> , <i>Cortland</i> , <i>Fairfield</i> , <i>Fredonia</i> , <i>Hartwick</i> , <i>Kinderhook</i> , <i>Newburgh</i> , <i>New-York*</i> , <i>Plattsburgh</i> , <i>Rochester*</i> .

1847.	AUGUST	22, Holland.	25, <i>Dutchess</i> .
SEPTEMBER	10, <i>Gouverneur</i> .	16, <i>Albany*</i> , <i>Cortland</i> , <i>Gouverneur</i> , <i>Hamilton</i> , <i>Lowville</i> , <i>Mexico*</i> , <i>Rochester</i> , <i>New-York*</i> , <i>North Salem</i> .	24, Shropshire, England.
	24, Carlisle, England; Holland.	27, Inverness, Scotland.	29, <i>Albany*</i> , <i>New-York*</i> , <i>Hartwick</i> , <i>Lansingburgh</i> , <i>North Salem</i> , <i>Plattsburgh*</i> ; Holland; Carlisle, England; Swansea, Wales.
	10, <i>Gouverneur</i> .	16, <i>Albany*</i> , <i>Cortland</i> , <i>Gouverneur</i> , <i>Hamilton</i> , <i>Lowville</i> , <i>Mexico*</i> , <i>Rochester</i> , <i>New-York*</i> , <i>North Salem</i> .	24, Shropshire, England.
	24, Carlisle, England; Holland.	27, Inverness, Scotland.	29, <i>Albany*</i> , <i>New-York*</i> , <i>Hartwick</i> , <i>Lansingburgh</i> , <i>North Salem</i> , <i>Plattsburgh*</i> ; Holland; Carlisle, England; Swansea, Wales.
	10, <i>Gouverneur</i> .	16, <i>Albany*</i> , <i>Cortland</i> , <i>Gouverneur</i> , <i>Hamilton</i> , <i>Lowville</i> , <i>Mexico*</i> , <i>Rochester</i> , <i>New-York*</i> , <i>North Salem</i> .	24, Shropshire, England.
OCTOBER	13, <i>North Salem*</i> .	16, Holland.	17, Bogustousk, Russia.
	19, Holland.	23, <i>Cazenovia</i> , <i>Rochester</i> .	24, <i>Rochester*</i> ; Cambridge, Durham, York, Swansea, &c., Great Britain; Paris, France; Parma, Italy; Holland; Germany.
	25, Paris, France.	27, Cambridge, Brighton, Oxford, &c., England.	29, Holland.
	1, <i>Albany*</i> , <i>Cortland</i> , <i>Kinderhook</i> , <i>Lewiston</i> , <i>Lowville</i> , <i>New-York*</i> , <i>Mount Pleasant</i> , <i>North Salem*</i> , <i>Plattsburgh</i> ; Holland; Paris, France.	3, <i>Plattsburgh</i> .	7, <i>Lowville</i> .
	14, <i>New-York*</i> , <i>North Salem</i> .	17, <i>Plattsburgh</i> .	19, Holland.
NOVEMBER	22, <i>Hamilton</i> .	25, <i>Albany*</i> , <i>Auburn</i> , <i>Cortland</i> , <i>North Salem*</i> , <i>Rochester*</i> ; Holland.	26, <i>New-York*</i> , <i>Rochester*</i> , <i>North Salem</i> ; Holland.
	27, <i>Rochester*</i> ; Holland.	7, <i>Hamilton</i> .	8, <i>Gouverneur</i> .
	17, <i>Lewiston</i> ; France in many places; Florence, Italy.	20, <i>Hamilton</i> , <i>Mexico</i> ; New Haven, Ct.; Brooklyn; Holland.	
	3, <i>Plattsburgh</i> .	7, <i>Lowville</i> .	14, <i>New-York*</i> , <i>North Salem</i> .
	17, <i>Plattsburgh</i> .	19, Holland.	22, <i>Hamilton</i> .
DECEMBER	25, <i>Albany*</i> , <i>Auburn</i> , <i>Cortland</i> , <i>North Salem*</i> , <i>Rochester*</i> ; Holland.	26, <i>New-York*</i> , <i>Rochester*</i> , <i>North Salem</i> ; Holland.	27, <i>Rochester*</i> ; Holland.
	7, <i>Hamilton</i> .	8, <i>Gouverneur</i> .	17, <i>Lewiston</i> ; France in many places; Florence, Italy.
	20, <i>Hamilton</i> , <i>Mexico</i> ; New Haven, Ct.; Brooklyn; Holland.		
	3, <i>Hamilton</i> , <i>New-York</i> , <i>North Salem*</i> ; Kingston, and Toronto, C. W.	6, <i>Cortland*</i> .	9, London, C. W.
	11, <i>Rochester</i> ; Kingston, Toronto and London, C. W.	15, Kingston and London, C. W.	16, <i>Hamilton</i> , <i>Lowville*</i> , <i>Mexico*</i> , <i>Plattsburgh</i> , <i>North Salem*</i> ; Kingston, Toronto and London, C. W.
FEBRUARY	17, <i>Gouverneur</i> .	19, <i>Plattsburgh*</i> .	20, Montreal, C. E.; Holland.
	21, 22, Holland.	23, <i>Plattsburgh</i> ; Kingston, C. W.; Russia.	24, 25, Russia.
	28, <i>Lewiston</i> ; Newberry, Vt.; Montreal, C. E.; Toronto and London, C. W.	29, Kingston, C. W.	6, Quebec and Montreal, C. E.; Kingston, C. W.
	7, <i>New-York*</i> , <i>Rochester</i> , <i>Cortland</i> , <i>Gouverneur</i> , <i>Hamilton</i> , <i>Newburgh</i> , Albion, Brooklyn; Quebec, Montreal, C. E.; Kingston and Toronto, C. West.	8, <i>Mexico</i> , <i>Rochester*</i> , <i>Hamilton*</i> , <i>Plattsburgh*</i> , <i>New-York*</i> , <i>North Salem*</i> , Brooklyn; Newberry, Vt.; Quebec and Montreal, C. E.; Kingston and Toronto, C. W.	12, 13, Montreal, C. E.
	14, Montreal, C. E.; Toronto, C. W.	15, <i>New-York*</i> .	18, <i>Mount Pleasant*</i> .
1848.	20, <i>Auburn</i> , <i>Mexico</i> , <i>Rochester</i> ; London, C. W.; England.	21, <i>Albany</i> , <i>Cortland*</i> , <i>Hamilton*</i> , <i>Gouverneur</i> , <i>North Salem*</i> , <i>Hartwick</i> , <i>Lowville*</i> , <i>Mount Pleasant*</i> , <i>Cazenovia</i> , <i>Plattsburgh*</i> , <i>St. Lawrence*</i> , <i>Rochester</i> , <i>New-York*</i> , Brooklyn; Newberry, Vt.; Industry, Me.; Quebec and Montreal, C. E.; Kingston, Toronto and London, C. W.	
	22, Toronto, C. W.; Durham, England.	23, <i>Hamilton</i> , <i>Mount Pleasant</i> , <i>Cazenovia</i> , <i>North Salem*</i> ; Kingston, Toronto and London, C. W.	24, <i>New-York*</i> , <i>Rochester</i> ; Quebec and Montreal, C. E.; Kingston, Toronto and London, C. W.
	25, Newberry, Vt.; Quebec and Montreal, C. E.	28, Quebec, C. E.	29, Kingston, C. W.
	1, Montreal, C. E.	6, <i>Gouverneur</i> , <i>Hamilton</i> ; Montreal, C. E.; Kingston and Toronto, C. W.	8, Toronto and London, C. W.
	10, Kingston, C. W.	14, Toronto, C. W.; Quebec and Montreal, C. E.	16, Quebec and Montreal, C. E.; Kingston and Toronto, C. W.
MARCH	17, <i>Hamilton*</i> , <i>New-York*</i> ; Holland.	19, <i>Albany</i> , <i>Auburn</i> , <i>Cortland</i> , <i>Dutchess</i> , <i>Fairfield</i> , <i>Fredonia</i> ; Kingston and Toronto, C. W.; Holland.	20, Quebec, C. E.
	21, Holland.	23, <i>Lansingburgh*</i> ; Quebec, C. E.	24, <i>Cortland</i> , <i>Fredonia*</i> , <i>Newburgh*</i> , <i>Cazenovia</i> , <i>New-York*</i> , <i>Plattsburgh*</i> , <i>Salem</i> ; Quebec and Montreal, C. E.; Kingston and Toronto, C. W.; Holland.
	25, <i>Gouverneur</i> , <i>Granville</i> , <i>Hamilton*</i> .	27, Toronto, C. W.	29, <i>Hartwick</i> .
	30, <i>Cazenovia</i> , <i>Plattsburgh*</i> ; Montreal, C. E.; Toronto, C. W.	31, Toronto, C. W.	1, <i>New-York*</i> , <i>Rochester</i> ; Woodstock, Vt.; Quebec and Montreal, C. E.; Kingston, Toronto and London, C. W.
	2, <i>Hamilton</i> , <i>Lewiston</i> , <i>North Salem*</i> ; Quebec and Montreal, C. E.; Kingston, Toronto and London, C. W.	3, <i>Hamilton</i> ; Quebec, C. E.	4, Kingston and Toronto, C. W.
APRIL	5, <i>Hamilton</i> , <i>Plattsburgh*</i> , <i>Salem</i> , <i>New-York*</i> ; Quebec, Montreal, C. E.; Kingston, Toronto and London, C. W.	6, <i>Auburn</i> , <i>Cortland</i> , <i>Hamilton</i> , <i>Lansingburgh</i> , <i>Lewiston*</i> , <i>Middlebury</i> , <i>Newburgh*</i> , <i>Oxford*</i> , <i>Salem</i> , <i>Albany</i> , <i>Union Hall</i> , <i>North Salem*</i> , <i>New-York*</i> , <i>Rochester*</i> ; Brooklyn; New Haven, Ct.; Newberry, Vt.; Montreal, C. E.; Kingston, Toronto and London, C. W.	7, <i>Cortland</i> , <i>Hamilton</i> ; Quebec and Montreal, C. E.; Toronto, Kingston and London, C. W.
	9, Montreal, C. E.; Kingston, C. W.	15, <i>Rochester*</i> ; Montreal, C. E.; Kingston and Toronto, C. W.	16, Kingston, C. W.
	17, Quebec, C. E.; Holland.	20, Quebec, C. E.	21, Kingston and Toronto, C. W.; Halifax, N. S.
	23, Toronto and London, C. W.	24, Toronto, C. W.	26, Quebec, C. E.
	29, <i>Hamilton</i> , <i>Lewiston</i> , <i>Middlebury</i> , <i>Cazenovia</i> , <i>Rochester</i> ; Newberry, Vt.; Quebec and Montreal, C. E.; Kingston, Toronto and London, C. W.; Holland.	30, <i>Middlebury</i> , <i>Rochester</i> ; Newberry, Vt.; Quebec and Montreal, C. E.; Kingston, Toronto and London, C. W.	2, Toronto, C. W.
MAY	4, Quebec, C. E.	7, Montreal, C. E.; Kingston and Toronto, C. W.	8, Quebec, C. E.; Toronto, C. W.
	13, Brooklyn.	15, Sitka, Russia.	16, Holland.
	17, Quebec, C. E.; Toronto, C. W.	18, <i>Gouverneur</i> , <i>North Salem*</i> , <i>Rochester</i> ; Quebec, C. E.; Kingston, C. W.; Holland.	22, Kingston, C. W.
	24, Kingston, Toronto and London, C. W.	25, Kingston and Toronto, C. W.	26, Toronto, C. W.

1848.

- MAY 31, *Cortland, Rochester, Salem*; Kingston, Toronto and London, C. W.
- JUNE 1, *New-York**.
3, *Rochester*; Montreal, C. E.; Toronto, C. W.
5, Kingston, C. W.
9, Montreal, C. E.
22, Toronto, C. W.
28, London, C. W.
- JULY 29, Quebec, C. E.; Kingston and Toronto, C. W.
3, *New-York**, *Rochester*; Kingston, Toronto and London, C. W.
4, *Hamilton*; Kingston and Toronto, C. W.
5, Kingston, C. W.
10, Quebec and Montreal, C. E.
11, *Hamilton**, *North Salem**, *Oxford**; Maryland; Boston, Mass.; Kingston and Toronto, C. W.
12, *Mexico**.
23, *Cortland**, *Rochester*.
24, 27, London, C. W.
28, 29, Kingston, C. W.
- AUGUST 1, Montreal, C. E.; Kingston, C. W.
4, Sitka, Russia.
8, *Rochester*; Franconia, N. H.; Quebec and Montreal, C. E.; Toronto, C. W.
9, *Gouverneur*.
14, *Cortland**.
17, Franconia, N. H.
19, Portsmouth, England.
20, *Mexico*, *Rochester*.
21, *Cortland*, *Fairfield**, *Hamilton*, *Lansingburgh*, *New-York**; Newberry, Vt.; Franconia, N. H.; Quebec and Montreal, C. E.; Toronto and London, C. W.
22, Quebec and Montreal, C. E.; London, C. W.; Sitka, Russia.
28, Toronto, C. W.
- SEPTEMBER 3, Quebec, C. E.; Kingston, C. W.
4, Newberry, Vt.; Montreal, C. E.; Kingston and Toronto, C. W.
5, Holland.
9, *Oxford*.
12, 13, Sitka, Russia.
17, Kingston, C. W.
18, Quebec, C. E.; Kingston, C. W.
20, 29, 30, Toronto, C. W.
2, 4, Quebec, C. E.
5, *North Salem*.
8, *New-York**; Quebec and Montreal, C. E.; Kingston and Toronto, C. W.
- OCTOBER 10, *New-York**.
17, New Haven, Ct.; Western Va.; Toronto? C. W.; Stonyhurst, England.
18, Western Virginia; at sea, latitude N. 43° 40', longitude W. 59° 43'; Toronto, C. W.; Prestwich, England; Holland.
19, London, C. W.; Holland.
20, Holland.
21, Stonyhurst, England; Holland.
22, *Hamilton*, *Lowville*, Amsterdam; Kingston, Toronto and London, C. W.; Holland.
23, *Plattsburgh**, *New-York**, *North Salem**, *Gouverneur*, *Lowville*, *Oxford**; Newberry, Vt.; Montreal, C. E.; Kingston and Toronto, C. W.
24, Toronto, C. W.; Holland.
25, *New-York**; Newberry, Vt.; Quebec, C. E.; Toronto, C. W.
26, Holland.
27, Newberry, Vt.; Quebec, C. E.; Prestwich, England.
28, Newberry, Vt.; Quebec, C. E.
29, Kingston, C. W.
30, *Hamilton*; Quebec, C. E.
31, Kingston and Toronto, C. W.
- NOVEMBER 1, Sitka, Russia.
2, Newberry, Vt.
6, 7, 8, Sitka, Russia.
10, 15, 16, Toronto? C. W.

1848.

- NOVEMBER 17, *Rochester**, *Fredonia**, *Ithaca**, *Lansingburgh**, *Middlebury*, *North Salem**; Newberry, Vt.; Saltville, Ky.; Franconia, N. H.; Quebec and Montreal, C. E.; Kingston, Toronto, London and Penetanguishene, C. W.; San Francisco, Cal.; Principe, Cuba; London and Prestwich, England; Scotland; Rome, Pisa, Naples and Florence, Italy; Circé, Havre, Grenoble, Montpelier, Bordeaux and Dieppe, France; Madrid, Spain; Odessa, Russia; Salonica, Greece; Smyrna, Asia; Holland.
18, *Mount Pleasant*, *New-York**; Quebec, C. E.; Toronto, C. W.
19, Quebec, C. E.; Toronto, C. W.
21, *Cortland*, *Rochester*; Toronto and London, C. W.; Prestwich, England; Holland.
22, Quebec, C. E.; Toronto, C. W.; Holland; Russia.
23, *Plattsburgh*, *North Salem**; Quebec, C. E.; Toronto, Kingston and Penetanguishene, C. W.
25, Toronto, C. W.
26, *New-York**, *Rochester*, *North Salem*; Newfoundland; Quebec, C. E.; Kingston, Toronto and London, C. W.
27, *New-York**; Newfoundland; Toronto, C. W.
30, Montreal, C. E.; Holland.
- DECEMBER 2, Newfoundland.
8, Kingston, C. W.; Sitka, Russia.
12, *Hamilton*.
13, 14, Newfoundland.
17, *Cortland*, *Hamilton*, *New-York**, *Rochester*, *North Salem**, *Lewiston*; Quebec, C. E.; Kingston, Toronto and London, C. W.; Prestwich, England; Sitka, Russia; Holland.
18, Newfoundland; Kingston, Toronto and London, C. W.
19, Quebec, C. E.; London, C. W.
21, Newfoundland; Holland.
22, Kingston, C. W.
23, *New-York**; Newberry, Vt.; Newfoundland; Penetanguishene, C. W.
25, Newfoundland.
26, *North Salem**; Newfoundland; Quebec and Montreal, C. E.; Kingston, C. W.
27, *Plattsburgh**.

1849.

- JANUARY 4, Prestwich, England.
5, Holland.
7, Newfoundland; Quebec, C. E.
11, Quebec, C. E.
14, *North Salem*, *Dutchess*, *Hamilton*, *Lewiston*, *Oxford*, *Plattsburgh*, *Rochester*; Newberry, Vt.; Newfoundland; Quebec, C. E.; Kingston and Toronto, C. W.; Halifax, N. B.; Holland; Paris, France; Prestwich and Whitehaven, England.
15, *Oxford*; Holland.
16, Holland.
17, Penetanguishene, C. W.
22, *New-York**; Toronto, C. W.
23, 25, Newfoundland.
26, Toronto, C. W.
30, *Cazenovia*, *New-York**.
3, 9, Quebec, C. E.
- FEBRUARY 12, Quebec and Montreal, C. E.
13, *Hamilton*; Newberry, Vt.; Quebec, C. E.; Halifax, N. S.; Toronto, C. W.
15, Newfoundland; Quebec and Montreal, C. E.; Halifax, N. S.; Toronto and Penetanguishene, C. W.
16, *Cazenovia*, *Cortland*, *Hamilton*, *North Salem*, *Rochester*; Newfoundland; Quebec, C. E.; London, and Toronto, C. W.; Warren Centre, Ct.
17, *Hamilton*, *Lowville*, *Plattsburgh*; Penetanguishene, C. W.
18, *Hamilton*, *Plattsburgh*, *Lowville*, *North Salem*, *Rochester*; Newberry, Vt.; Quebec, C. E.; Kingston, Toronto, London and Penetanguishene, C. W.; Whitehaven, England.
19, *Cazenovia*, *Cortland*, *Dutchess*, *Rochester*, *New-York**; Newberry, Vt.; Warren Centre, Ct.; Newfoundland; Prestwich, England.

1849. FEBRUARY	20, Newfoundland; Halifax, N. S.; Quebec, C. E.	1849. JUNE	22, Toronto, C. W.
	21, <i>Poughkeepsie, Louville*, New-York*, North Salem;</i> Newberry, Vt.; Halifax, N. S.; Quebec, C. E.		24, Kingston and London, C. W.
MARCH	22, Newfoundland.	JULY	25, Halifax, N. S.
	25, Quebec, C. E.		26, Warren Centre, Ct.
	26, Newfoundland; Kingston, Toronto, C. W.		27, Quebec, C. E.
	27, Newfoundland; Quebec and Montreal, C. E.; Halifax, N. S.; Kingston, Toronto, London and Penetanguishene, C. W.		29, Somerville.
	28, <i>Rochester.</i>		3, 4, Halifax, N. S.
	6, Quebec, C. E.		5, 10, Toronto, C. W.
	9, London, C. W.		9, <i>Rochester, Somerville; Newfoundland; Toronto, C. West.</i>
	14, <i>Granville;</i> Cairo, Ill.		12, <i>Hamilton, Rochester, Somerville, Brooklyn; London, C. W.</i>
	15, Kingston, C. W.		14, Somerville.
	17, <i>Cazenovia, Hamilton, Hartwick, Lewiston, America;</i> Halifax, N. S.; Quebec, C. E.; Kingston, Toronto, London and Bruce Mines, C. W.; Newfoundland.		20, Toronto, C. W.
APRIL	18, <i>Hamilton, Johnstown, Lewiston, Dutchess, Mount Pleasant, Rochester, North Salem, Union Hall, America, New-York*;</i> Warren Centre, Ct.; Quebec and Montreal, C. E.; Kingston, Toronto, London and Bruce Mines, C. W.		21, Newfoundland.
	19, <i>Louville, America.</i>		22, <i>Hamilton, Rochester;</i> Quebec, C. E.; Toronto, C. West.
	20, <i>Lansingburgh,</i> Brooklyn.		23, <i>Auburn, Mexico, Rochester, Somerville;</i> Newfoundland; Quebec and Montreal, C. E.; Kingston, London and Toronto, C. W.; Halifax, N. S.
	21, Toronto, C. W.		24, <i>Farmers' Hall*;</i> Somerville.
	25, <i>Erasmus Hall,</i> Somerville, N. Y.; Toronto, C. W.; Halifax, N. S.		26, Toronto, C. W.
	26, Toronto and London, C. W.	AUGUST	31, Newfoundland; Quebec and Montreal, C. E.; Kingston, Toronto and London, C. W.
	27, Somerville; Toronto, C. W.		2, Toronto, C. W.
	30, <i>Rochester, Somerville;</i> Kingston, Toronto and London, C. W.; Newfoundland.		4, Newfoundland; Kingston, C. W.
	31, Toronto, C. W.		12, <i>Hamilton, Somerville;</i> Newfoundland; Toronto, Fenelon Falls and London, C. W.
	1, Halifax, N. S.; Toronto, C. W.		13, <i>Cortland;</i> Newfoundland; Montreal, C. E.; Kingston, C. W.
	2, Somerville; Quebec and Montreal, C. E.; London, C. West.		17, Somerville.
	4, Halifax, N. S.		18, Somerville; Toronto and London, C. W.
	11, Kingston, C. W.		20, Newfoundland.
	13, Somerville; Halifax, N. S.; Montreal, C. E.; Toronto, C. W.		21, Kingston and Toronto, C. W.
	14, Quebec, C. E.		22, Quebec, C. E.; Halifax, N. S.
MAY	15, Newfoundland.	SEPTEMBER	27, 28, Somerville.
	16, <i>Rochester, Somerville;</i> Halifax, N. S.; Toronto and London, C. W.		3, Quebec, C. E.
	17, <i>Plattsburgh, Rochester, America;</i> Newfoundland; Quebec and Montreal, C. E.; Halifax, N. S.		6, <i>Hamilton.</i>
	18, Newfoundland; Quebec and Montreal, C. E.		7, <i>Hamilton, New-York*;</i> Somerville; Newfoundland; Halifax, N. S.; Kingston and Toronto, C. W.
	19, Somerville.		8, Somerville; Newberry, Vt.; Kingston, Toronto and London, C. W.
	20, <i>Amelia, Somerville;</i> Newfoundland; Halifax, N. S.; Toronto, C. W.		9, Somerville; Montreal, C. E.
	21, Quebec, C. E.; Halifax, N. S.		12, <i>Rochester, Somerville;</i> Newfoundland; Halifax, N. S.; Kingston and Toronto, C. W.
	22, Toronto, C. W.; Newfoundland.		13, <i>Rochester.</i>
	24, Newfoundland; Montreal, C. E.; Kingston and Toronto, C. W.		16, <i>New-York*;</i> Somerville; Warren Centre, Ct.; Newfoundland; Montreal, C. E.
	25, <i>New-York;</i> Newfoundland.		17, <i>Hamilton, Somerville;</i> Toronto and Fenelon Falls, C. West.
JUNE	26, Newfoundland.	OCTOBER	18, <i>Hamilton, Rochester, America, New-York*;</i> Somerville; Newberry, Vt.; Warren Centre, Ct.; Quebec and Montreal, C. E.; Halifax, N. S.; Kingston, Toronto and Fenelon Falls, C. W.
	27, Newfoundland; Quebec, C. E.		19, <i>New-York*;</i> Quebec and Montreal, C. E.; Halifax, N. S.; Fenelon Falls, C. W.
	28, London, C. W.		20, <i>New-York*.</i>
	29, Quebec, C. E.; Halifax, N. S.		21, Halifax, N. S.
	30, <i>Cortland;</i> Newfoundland.		23, <i>Amelia.</i>
	1, Halifax, N. S.; Quebec, C. E.		24, Kingston and Toronto, C. W.
	6, Halifax, N. S.		29, Newfoundland; Quebec and Montreal, C. E.; Kingston, C. W.
	11, Newfoundland; Halifax, N. S.		1, Somerville; Whitehaven, England.
	12, Newberry, Vt.		4, <i>New-York*, North Salem.</i>
	14, Toronto and London, C. W.		7, Newfoundland; Quebec and Montreal, C. E.; Kingston, Toronto and London, C. W.
	17, Kingston, C. W.; Halifax, N. S.		9, Montreal, C. E.
	20, 21, 23, Toronto, C. W.		10, Toronto, C. W.
	25, Kingston and Toronto, C. W.		13, <i>Cazenovia, Rochester, America;</i> Newberry, Vt.; Quebec, C. E.; Kingston, Toronto and London, C. West.
	26, Kingston, C. W.		14, <i>North Salem, Rochester, America,</i> Somerville; Amelia, Vt.; Halifax, N. S.; Quebec and Montreal, C. E.; Toronto and London, C. W.
	27, Montreal, C. E.		15, Newberry, Vt.
	6, Quebec, C. E.		17, Newfoundland; Kingston, C. W.
	8, Kingston, C. W.		18, <i>Oxford;</i> Newberry, Vt.; Halifax, N. S.; Kingston, Toronto and London, C. W.
	10, <i>Cortland.</i>		19, Somerville; Halifax, N. S.; Kingston, C. W.
	14, Somerville; Quebec, C. E.		20, <i>New-York*;</i> Kingston C. W.
	16, Quebec, C. E.		
	17, Somerville; Montreal, C. E.		
	18, Montreal, C. E.		
	19, Brooklyn.		
	20, Newfoundland; Quebec, C. E.; Toronto and London, C. W.		

1849.		1850.	
OCTOBER	21, Newfoundland.	APRIL	9, <i>New-York</i> .
	23, Somerville.		14, 15, 17, 19, Somerville.
	24, Montreal, C. E.; Toronto, C. W.	MAY	7, <i>New-York</i> , Somerville; Litchfield, Ct.
	25, Somerville.		9, Somerville.
	30, Somerville; Newfoundland; Quebec, C. E.; Toronto and London, C. W.		10, Somerville; Litchfield, Ct.
NOVEMBER	10, Newfoundland.		12, <i>New-York</i> , Somerville; Litchfield, Ct.
	12, Toronto and Kingston, C. W.		13, 18, 22, Somerville.
	13, Toronto, C. W.	JUNE	4, Somerville; Litchfield, Ct.
	14, Kingston and Toronto, C. W.		7, 10, 16, 22, 23, 29, Somerville.
	15, Somerville; Fenelon Falls, C. W.	JULY	1, 2, 7, Somerville.
	18, Kingston and Toronto, C. W.		9, Litchfield, Ct.
	19, 21, 25, Toronto? C. W.		10, Somerville.
	26, Quebec, C.E.; Toronto, C. W.		11, <i>Cortland</i> , <i>New-York</i> , Somerville; Litchfield, Ct.
	27, Kingston, C. W.		12, <i>New-York</i> , Somerville; Litchfield, Ct.
	28, Newberry, Vt.; Newfoundland; Quebec and Montreal, C. E.; Toronto, C. W.	AUGUST	15, 16, 19, Somerville.
	29, Newfoundland.		2, 3, 4, 6, 7, Somerville.
	7, <i>Dutchess</i> , Somerville.		9, <i>Cortland</i> , Somerville; Litchfield, Ct.
DECEMBER	8, <i>North Salem</i> .		10, Somerville; Litchfield, Ct.
	11, Montreal, C. E.; Toronto, C. W.		12, <i>Cortland</i> .
	12, Newfoundland; Toronto, C. W.		15, Somerville.
	17, <i>New-York</i> .*		16, 17, 18, Somerville; Litchfield, Ct.
	18, <i>Rochester</i> ; Toronto, C. W.		23, 29, Somerville.
	20, Newfoundland.	SEPTEMBER	3, <i>Cortland</i> , Somerville; Litchfield, Ct.
	25, 31, Somerville.		4, Somerville; Litchfield, Ct.
			5, 6, 7, 8, Somerville.
1850.			10, 11, Litchfield, Ct.
JANUARY	18, Litchfield, Ct.		12, 13, 14, 15, 28, Somerville.
	19, 31, New-York.		29, Somerville; Litchfield, Ct.
FEBRUARY	3, 4, 12, Somerville.		30, Somerville.
	13, <i>New-York</i> , Somerville.	OCTOBER	1, <i>New-York</i> , Somerville; Litchfield, Ct.
	17, 22, 26, Somerville.		2, Litchfield, Ct.
MARCH	2, 3, Somerville.		3, 6, <i>New-York</i> , Somerville; Litchfield, Ct.
	4, <i>New-York</i> .		7, 8, Somerville.
	10, Somerville.		9, <i>Pompey</i> .
	11, <i>Lansingburgh</i> .		27, Somerville; Litchfield, Ct.
	16, 18, Somerville.		28, Litchfield, Ct.
	22, <i>New-York</i> .		29, Somerville; Litchfield, Ct.
	25, 26, 29, Somerville.	NOVEMBER	7, 8, Somerville.
	31, <i>Cortland</i> , <i>New-York</i> , Somerville; Litchfield, Ct.		10, Somerville; Litchfield, Ct.
APRIL	6, 7, <i>Lansingburgh</i> , <i>Cortland</i> , <i>New-York</i> , Somerville; Litchfield, Ct.	DECEMBER	11, Somerville.
	8, <i>Cortland</i> , Somerville.		4, 5, 6, 11, Somerville.
			20, <i>New-York</i> .
			28, Somerville.

DESCRIPTIONS OF AURORAS.

1827.

AUGUST 27. Erasmus Hall. Between 10 and 11 o'clock, streaks of light were seen issuing from a point a little above the horizon, in the W. N. W., passing near the zenith, and extending to the eastern horizon. They were about thirty minutes broad in the west, and grew wider towards the east. Brightness variable; it moved towards the south, and gradually disappeared.

Louville. At 9 P. M., a segment of a circle, of a more dusky hue than the sky in general, appeared, occupying at least one-sixth of the circumference of the horizon. The arc of this segment was well defined, and the altitude of its highest point not less than 25° . The lustre of the stars in the dusky space was undimmed. The arc was strikingly illuminated, and the phenomenon was enlivened by light coruscations rising from the arc, and reaching more than half way to the zenith. At 15 minutes past 10, the whole segment became luminous, and such was the strength of the light, that shadows were discernable on the south side of objects, and large letters (as the titles of newspapers) were easily read. Continued till near or quite daybreak.

AUGUST 28. Albany. Noticed a splendid arc of light at 10 P. M., passing from north to south over the zenith, and extending from east to west; it remained about an hour, and gradually disappeared, after passing six or eight degrees south.

Montgomery. It had the form of a luminous and transparent scud; stars perceptible through the densest part, which was wider than the milky way; northern edge more luminous than southern; it seemed to be a reflection of the Aurora Borealis, and rose out of the eastern horizon.

Cherry Valley. Between 9 and 10 o'clock P. M., the centre of the arc was 10 or 15° southerly of the zenith.

Clinton. Brilliant light in the north; at the same time, the arc gradually broke in passing south; wind a light breeze from the west. Noticed with similar observations at

Franklin, P. Auburn, Hudson, Ithaca, Middlebury, Hartwick.

Louville. At 9 P. M., a faint light in the north; at half-past 9, an arc was suddenly formed, the upper part of which was of a pure whitish light, and 8 or 10° broad; the extremities were wreathed of light and shade, and in a manner inimitably sublime. The arc remained entire three-quarters of an hour, its highest point being at first about 10° north of the zenith, one of the extremities meeting the horizon a little south of the east, and the other a little north of the west point. During the existence of the arc, its constituent matter passed, in a rapid and ceaseless current, from east to west; and soon after the arc was formed it began to move (the extremities, however, advanced but little) in a southern direction, and continued its progress until it descended as many as 40° south of the zenith; it then was broken up into parallel pieces, which moved majestically westward, and gradually diminished in magnitude and lustre, till at length every vestige of the arc disappeared. The light in the north at this time began to increase, and continued until it became much brighter than the evening previous. At 11, the coruscations shot beyond the zenith, and the whole luminous arc exhibited an undulatory motion. This field of light somewhat resembled frequent lightning in a distant thunder storm seen by night, but with these points of difference, that its color was less vivid than that of lightning, and its luminous appearance remained though its motions ceased; the luminous substance, as it sped, exhibited various hues and shapes; it was for the most part whitish, but there might also be seen shades of yellow, orange and red; its motion was mainly south. In some regions it was wafting, and diffused itself as light clouds are sometimes agitated when exposed to contrary winds, and in other places, it arranged itself in the manner of diverging rays. The most interesting view was enjoyed at half-past 11 o'clock. The space then occupied by the *floating light* was more than two-thirds of the whole concave heavens.

Utica. At 15 minutes before 10, the Aurora assumed a most extraordinary appearance. Brilliant streams of light shot up in the

heavens, near the Pleiades, and rapidly extended over the heavens in a westerly direction, presenting in a few minutes a most beautiful and splendid arc of light, its central elevation about 55° or 60° from the northern horizon, passing between Ursa Major and Boötes, and the end resting in the western horizon, near Arcturus. Its width considerably exceeded the rainbow; and its centre gradually rising as if moved by a gentle breath of wind, "with its fleecy folds of light" moving through the arc from east to west, it surpassed in beauty anything of the kind that the eye of man ever witnessed. After about 20 minutes, the eastern end of the arc appeared broken, and with a tremulous, undulating motion, it grew fainter, rose in the heavens till it passed the zenith, and disappeared. The weather was remarkably clear and calm, and had been so through the day. Thermometer at 9 in the evening 54° ; at 2 P. M. 70 .

Pompey. Luminous arc, commencing at 9 P. M. and continued till 11. It commenced near the eastern and western points of the horizon, somewhat resembling two candles. The light shot upwards, gradually widening and extending till two splendid pillars appeared resting on the horizon. These continued to extend in length; when, meeting in the zenith, they formed a magnificent arc of light, to the eye about 25 feet wide, and extending across the whole heavens. A rapid motion was distinctly visible in the luminous arc. The arc gradually inclined towards the south, dividing into separate portions, and disappeared. At the time it passed away, the Aurora shot up in the north in the most brilliant and sublime manner. Similar phenomena were observed at Perth and in Roxburghshire in Scotland, on the evenings of the 27th and 28th of August. On the 27th the coruscations were very rapid and transient, and overspread nearly the whole northern hemisphere. Some of the flashes were almost vertical; and latterly they resembled, in clearness and motion, the undulations of a bright flame. The Aurora of August 28 was visible throughout the Northern States, Canada and a great part of the Atlantic Ocean.

SEPTEMBER 9. Louville. A light in the heavens as before, but not so broad or extensive.

Utica. Appeared at half-past 8 P. M., passing from east to west. The east end broke first and the centre gradually rose. It disappeared by degrees, and at about 10 minutes before 9 P. M. was entirely gone.

25. **Louville.** Streaks of light as before.

1828.

AUGUST 16. Utica. A beautiful arc, very similar to the one of September 9, 1827. The arc was less complete and its duration less.

SEPTEMBER 8. St. Lawrence. Coruscations extending nearly to the zenith, illuminating about one-half of the horizon, and very brilliant.

29. **Albany.** Very brilliant coruscations.

Louville. Vast segment of a dusky area and luminous arc—lively coruscations; stars distinctly seen in the area. It continued several hours.

OCTOBER 8. Albany. At 12 P. M. a brilliant arc, at right angles to the magnetic meridian, about 5° wide, and the crown 10° above the horizon.

1829.

APRIL 8. St. Lawrence. Aurora resembling a bright cloud, and exhibiting near the horizon a steady light of several hours' continuance.

JUNE 1. St. Lawrence. Very brilliant Aurora, appearing in distinct arcs, one above another, the highest subtending an angle of about 75° .

7. **Schenectady.** A brilliant Aurora all night.

SEPTEMBER 19. St. Lawrence. Aurora describing an arc on the plane of the horizon, of about 65° , and rising in distinct spires towards the zenith. Between 8 and 11 P. M.

26. **Albany.** About half-past 9 P. M., a brilliant Aurora observed. It was composed of beams occasionally shooting up as high as the pole-star, from a point of the horizon a little to the west of true north.

OCTOBER 27. *Delaware*. About 8 P. M., three perpendicular columns of light appeared in the north, the central one extending about 20°, and the two external ones about 15° above the horizon.

NOVEMBER 9. *Lowville*. Aurora with brilliant and brisk coruscations at half-past 4 A. M.

NOVEMBER 19. *St. Lawrence*. Faint, with occasional spires extending towards the zenith.

DECEMBER 28. *Hartwick*. Between 7 and 8 P. M. a light in the west, a little south, with rays, supposed to be an Aurora. At *North Salem*, a brilliant Aurora.

1830.

FEBRUARY 23. *Lowville*. Light in the west, at half-past 8, like twilight.

MARCH 15. *Franklin, P.* An Aurora, somewhat like the dawn in the morning before sunrise. At *Utica*, very brilliant.

31. *Franklin, P.* At 10 P. M. a single column of light, a little west of north, at right angles with the horizon, and extending up about 25°.

APRIL 19. *Auburn*. From 8 P. M. till near midnight, the whole northern horizon presented at times streams of light, which rose, enlarged and disappeared in succession, sometimes extending almost to the zenith, at others, rising only a few degrees, and usually succeeded by a dark, hazy appearance. The light from this source was sometimes as much as the moon affords three or four days after conjunction. At *Cambridge*, very brilliant.

Franklin, P. At 9 P. M. a broad column of light, perpendicular to the horizon, and extending up about 45°; the whole was so brilliant as to cast shadows; at midnight still more brilliant. Brilliant also at *Canandaigua, Cayuga, Hudson* and *Lansingburgh*.

Lowville. Nearly one-third of the horizon was illuminated during the night; the highest part of the illuminated segment extended to the height of 45°, and lively coruscations and various hues of great beauty, especially a reddish tinge of vast extent, appeared at 9 o'clock. At *Oxford, Pompey, Rochester, Union Literary Society* and *Utica*, very brilliant; visible in England and a large part of the northern hemisphere.

MAY 2. *Lewiston*. Brilliant Aurora, 40° above the horizon, at 8 P. M.

JUNE 10. *Albany*. Between 8 and 9 P. M. an arc across the heavens. *Auburn*, very brilliant all night.

Canajoharie, a luminous arc. At *Erasmus Hall, Fredonia* and *Hartwick*, very brilliant.

Mount Pleasant and *Kinderhook*, very splendid, and the light sufficiently strong to cast shadows. At *Lewiston*, very brilliant. At *Lowville*, very beautiful, and extending from the east to west, and widening to the northern horizon. A beautiful arc at *Oxford, Pompey, St. Lawrence* and *Utica*.

JUNE 11. A splendid arc at *Dutchess, St. Lawrence* and *Utica*.

JULY 14. *Hartwick*. Bright, luminous arc a little south of the zenith, from east to west, descending to the south. At 10, very brilliant at *Lansingburgh* and *Lowville*.

15. *Fredonia*. Between 8 and 12 P. M., at first resembling a bright cloud in the form of the segment of a circle, the crown being about 30° above the horizon, exhibiting for several hours a steady light; about 12, it rose in distinct and brilliant spires, shooting towards the zenith. From 9 to 10 were seen, occasionally, beams of light shooting from two points a few degrees east and west of the luminous segment, uniting and forming a belt at right angles with the galaxy, and resembling it in width and appearance, except much more luminous. This moved towards the south, and after passing the zenith, separated and disappeared.

AUGUST 19. *Utica*. Uncommonly beautiful.

20. *Utica*. Unusual Aurora. At half-past 9 the flashes of light, apparently proceeding from a dense cloud in the horizon, shot up very high in pencils; at 10, a broad arc, resting in the horizon, in nearly the western point, rose between Arcturus and Ursa Major, and extending over the whole heavens, a little north of the zenith, terminated about 20° above the eastern horizon. Between this arc and the pole star stood a row of perpendicular columns of light, with uniform bases, in a right line from Arcturus to the pole star. There were sixteen pillars on the inside of the arc, and one on the outside below Arcturus; they maintained their position for nearly half an hour, and gradually ascending in the same regular order, grew fainter and disappeared. The flashes in the horizon still continued very light, but not distinctly defined.

26. *Auburn*. Continued all night.

SEPTEMBER 7. *Lewiston*. A low but regular arc, not over 20° above the horizon at 8 o'clock, but by the interposition of vapor between the top of the arc and the horizon, forming a perfect segment of a

circle; at half-past 8, two very bright lights, extending from the top of the arc to 50°.

SEPTEMBER 15. *Pompey*. Very brilliant, in columns springing from an arc with prismatic colors, resembling those produced by finely striated metal.

OCTOBER 28. *Lowville*. Very brilliant. At *St. Lawrence*, very brilliant over the whole north, and extending to the zenith, where it presented a fiery red appearance. Large red belts were occasionally seen streaming from the west, towards the zenith, and extending in one instance nearly to the east, spanning the chord of an arc of about 160° and about 8° or 10° broad.

DECEMBER 7. *Plattsburgh*. Very brilliant.

10. *Dutchess*. Very brilliant.

11. *Albany*. Between 9 and 10, splendid. It began to appear early in the evening, in the north, stretching around from seven to eight points of the compass, and from nearly N. W. to nearly N. E. The principal light was in the form of an arc, the centre of which was directly under the north star. There was a general suffusion of light over the arc, and extending 20° or 30° above it. The space beneath the arc, in the early part of the evening, was filled with a dark cloud. At about half-past 6, a row of bright pillars or columns rose from the arc, and extended to a great height above it, and some of them nearly as high as the north star; those over the N. W. limb of the arc were slightly tinged with redness, and all the others were perfectly white. These pillars or columns soon disappeared and were succeeded by others; they generally rose over one limb of the arc first, and gradually extended to the other. Between 6 and 7 o'clock the dark cloud beneath the arc rose, and spread over a great part of the sky, and for some time entirely obscured the Aurora. At about 8 o'clock some clouds had passed away, and a considerable portion of the upper part of the northern sky had become clear again, and a row of bright white pillars or columns rose from or through the dark clouds beneath, and extended far beyond the north star. These pillars or columns remained but a short time, and the whole northern sky was again obscured by other clouds, and so continued through the greater part of the night. Through the intervals between the clouds, or the thin places in them, the light of the Aurora was frequently seen in bright white spots over the northern part of sky. The Aurora continued throughout the night; and between three and five o'clock on the following morning the sky had become clear and the Aurora was quite bright. Very brilliant at *Auburn*.

Erasmus Hall. It was very brilliant, illuminating the horizon, and issuing several perpendicular columns, extending in a direction towards the zenith, from 15° to 20°. The appearance was not unlike an extensive conflagration.

Lowville. There appeared two ranges in the north, one above the other, and though irregular, yet, in their main direction, parallel, and resembling two sublime ranges of mountains, with dark sides, and slight summits of immense height, from which the brilliant coruscations were, by the imagination, easily converted into volcanoes. In the horizon the light extended from the southeast almost to the west, and the currents and flashes of light rose from the north horizon to the zenith and thence descended half way to the south horizon. This Aurora appeared with extraordinary brilliancy in England, appearing like red and purple flames. The year 1830 was remarkable for the frequency and brilliancy of Auroras. The observer at *Utica* remarked, that in nearly every instance the phenomenon presented a dark, dense and regularly defined cloud, lying in the northern horizon, and extending far to the east and west, apparently a ground work from which the light proceeded. Sometimes this cloud existed from the first, and at others it was not visible until after the light had been observed some hours. When the flashes had continued late in the night, the cloud ascended above the horizon, and the brilliancy of the light diminished. In one instance (December 11), after the cloud had risen ten or fifteen degrees above a clear horizon, a second cloud appeared, from which the flashes of light were distinctly seen shooting to the upper one.

1831.

JANUARY 7. *Fredonia, North Salem*. Brilliant Aurora.

FEBRUARY 6. *Albany*. At 8 P. M. an arc 12° or 15° high; at half-past 8, columns with dark cloud below. Very brilliant at *Oxford*. Slight at *Mount Pleasant*. At *Cherry Valley*, very brilliant, assuming a variety of shapes and forms; stupendous arcs from east to west, crossing the heavens. At *Franklin, P.*, very brilliant, extending nearly 130° around the horizon. At *Hamilton*, seen rising in the N. W. and stretching towards the east. At *Cazenovia*, unusually brilliant. At *Erasmus Hall*, very bright.

MARCH 8. *Lowville*. Lively. At *Utica*, between 8 and 9 very brilliant.

18. *Fairfield*. Very bright Aurora.
 APRIL 1. *Utica*. Very brilliant. At *Albany*, faint at half-past 8 P. M.; at 10 a low arc, which at half past 10 shot up into brilliant columns, moving eastward.

18. *Union Hall*. A beautiful Aurora.

19. *Gouverneur*. Very brilliant. At *Lewiston*, uncommonly brilliant, extending higher and farther to the south than before noticed. Very brilliant at *Oxford*, *Dutchess* and *Mount Pleasant*.

Middlebury. Coruscations in almost every part of the visible horizon.

Utica. Began to attract attention soon after 8 o'clock; streams of light uncommonly brilliant, were shooting up in N. E. by N. and N. W. by N. forming in a few minutes a beautiful arc, like a well defined rainbow, its ends resting in the horizon and its vertex being in the magnetic meridian, elevated about 50°. It gradually arose, passed the zenith, and retaining its brightness, descended into the south within 25° of the horizon, its end still resting in the eastern and western horizon. This arc was soon succeeded by others, broader and fainter, which rose and descended in succession, and all contributed to give the face of the heavens a beautifully illuminated appearance. As these arcs began to disappear, the space between their bases in the north was so strongly lighted as to give objects a well defined shadow. At 9, the streams of light, of purple, yellow, green and other colors, more intense than had yet been observed, were rising where the eastern end of the arcs had stood, and exhibiting rapid horizontal motions, passing and repassing like a company of dancers. The phenomenon was particularly remarkable for its greater brilliancy and its greater extent over the heavens, than any which have been before observed in this place. The observer had no means of marking its effects upon the magnetic needle or upon an electrometer. Before 10 a dark cloud rose in the north, and extending over the heavens, rendered the Aurora invisible.

Franklin, P. 11 P. M., nearly half of the concave surface of the heavens was illuminated, at one time; for the space of about three minutes, streaks of light from almost every point of compass, north of east and west arose nearly at the same instant, tended towards the zenith where they intersected each other, forming a large number of spherical triangles.

Hudson. Brilliant, commencing about half-past 8 in the west and north west, shooting up in spangles towards the zenith, very much like the process of crystallization under the solar microscope. These constantly faded, and were succeeded by others in different lines, exhibiting at times most of the colors of the rainbow. About half-past 9, similar appearances were seen in the east and south east, meeting those first mentioned at the centre above, and forming an illuminated dome of spars and spangles, the most brilliant and beautiful ever beheld.

Fairfield. It illuminated nearly the whole heavens; a number of bows, commencing in the N. W. passed south of the zenith and terminated in the N. E. The sky was very cloudy.

Hartwick. Splendid. A nucleus about in the zenith, moving to the south, with bright rays in every direction at about 8½ P. M.

Kinderhook. Uncommonly beautiful streaks of light ascending to the zenith. The same at *North Salem*. At *Erasmus Hall*, a luminous arc.

Albany. Brilliant. First observed about 9 P. M. in the south, in the form of an arc 9° broad, and about 20° above the south part of the horizon. At 9.45 the clouds passed from the north, columns were observed shooting up to the zenith, from the whole northern hemisphere. At 6 o'clock P. M. a remarkable increase was observed in the Magnetic intensity at *Albany*, but during the most brilliant display of the Aurora, the intensity was considerably lower than usual. A similar observation was made in relation to the relative intensity of magnetism, before and during Auroras, by Prof. Hansteen, and also by Humboldt and van Swinden.

New-York. This Aurora was described as appearing at 9 P. M. and peculiarly interesting, on account of the meeting of the luminous columns in the magnetic meridian, at the point in the direction of the dipping needle towards which they usually tend. The luminous matter occupied the whole northern half of the heavens, and was very much condensed near the point of convergence. Some of the eastern coruscations were at times transiently curved, as though their middle parts were driven eastward by the impulse of the westerly breeze, which was blowing at the time. A luminous band was at one time extended across the heavens, at right angles to the meridian, and 30° south of the zenith. This had at times an oscillatory motion in a north and south direction. It passed near the moon, around which was one of the large haloes. The sky had been previously clear. The converging rays appeared to meet at the star δ Leonis, which was found to give it an altitude of 70°.25' and an azimuth 11°.27' east.

Cherry Valley. It was very brilliant, assuming a variety of forms; at one time appearing as a stupendous arc, crossing the heavens from east to west; at another radiating from a point south of the zenith. Mr. Christie, of Woolwich, England, observed the same evening, at 10 o'clock P. M., the horizontal magnetic intensity was less than usual, when it increased until 10h. 37½m, when it was greater than in its undisturbed state. It then again decreased, and was less than usual the next morning at 7h. 20m. A comparison of these observations with those at Albany, making an allowance for the difference of time, shows a simultaneous disturbance of terrestrial intensity, although the changes did not occur in the same order. The Aurora that accompanied this disturbance, appeared in England very splendid. At one time there was a grand display of ten long active streamers along an arc of the Aurora, several of which ascended to an altitude of 60°; and when most active, many passed beyond the zenith, exhibiting at the same time several prismatic colors. At 10 o'clock the arc of the Aurora extended 150°.

APRIL 20. *Louville*. An extraordinary Aurora. At 9 P. M. the currents of light almost filled the visible heavens, and there was a remarkable convergence to the zenith as its centre; the light was spread from the eastern to the western horizon, and what was very remarkable, the southern horizon was filled with a dusky segment, having a faintly illuminated arc of about 60°.

JUNE 10. *Albany*. About 10 P. M. a dark cloud was observed in the north, from which flashes of heat lightning were seen to proceed; about this cloud a slight tinge of auroral light was observed; at 11, the Aurora became brilliant, shooting up into columns. There had been a strong south wind, at 7 P. M. for a short time. Seen at *Utica*.

16. *Albany*. At half-past 10 in columns suddenly shooting up.

17. *Albany*. Faint Aurora, at 11 P. M.

21. *Ithaca*. Splendid. Commencing at 10 P. M. and continuing for some hours.

Albany. About 10 P. M. appeared like a cloud in the north, 10° high. At 10.30 it shot up into brilliant striated prismatic columns, which moved from west to east, preserving in their motion a parallel position. In one or two instances, a sudden and rapid motion in the opposite direction, towards the west. The wind was from the west, and a sudden reduction had taken place in the temperature two hours previous. The Auroras this year appear to be accompanied by a reduction of temperature, and by considerable wind, a few hours previous. At 11 P. M. the Aurora had disappeared, and the clouds seemed to be blown in long rows, from a point of the horizon nearly corresponding with the centre of the Aurora.

JULY 1. *Canajoharie*. At half-past 10. At *Cazenovia*, faintly visible at 11.

2. *Cazenovia*. Faintly visible.

3. *Cherry Valley*. Very brilliant. At *Cazenovia*, brilliant at 10½ P. M.

Kingston. Very brilliant.

Albany. A faint light was noticed at 9 P. M. in the north, which appeared like an Aurora; at 10 shot up into columns about 20° high; these appeared to move slowly in some cases to the east. The motion, however, was not as rapid as on the 21st of June. At 11, a distinct arc of short parallel beams, like the palings of a fence, was formed; these were all about the same length, and remained nearly stationary for about half an hour; their lower extremities formed a regular arc, the highest point of which was about 15° above the north point of the horizon; the beams occasionally shot up a little towards the zenith, but their lower extremities remained perfectly stationary on the extrados of the arc. At 11h. 40m. the parallel bars or beams disappeared, and the Aurora appeared like a uniform diffused light. There was a gentle wind from the east.

JULY 4. *Erasmus Hall*. Very brilliant. At *Albany*, a diffused light was noticed at 9 P. M. At 10 much more brilliant, with some appearance of beams shooting up nearly to the zenith or more than 70°. The northern part of the heavens was covered with dark clouds through which the Aurora was visible in spots. The Aurora appeared very brilliant, but in diffused light, with the beams not well defined. At 10h. 20m., very brilliant, in the forms of Columns, extending around the northern hemisphere to the eastern and western points of the horizon; at 1 o'clock it assumed the form of a broad arc, about 15° above the north point of the horizon, with its extremities in the east and west nearly.

Albany. Cloudy in the north. At 9½ the auroral light shone through the clouds. At 10 P. M. it was obscured by the clouds, except a faint light near the edge of the horizon.

31. *Johnstown*. About 10 o'clock P. M., a streak of light was seen extending in a direct line, east and west, through the whole ex-

* See Appendix to Regent's Report. 1882, where this phenomenon was more particularly discussed by Prof. Joseph Henry, then of the Albany Academy.

tent of the heavens. When first observed, it was in the zenith. It moved south in a line parallel to itself about 20°, and then gradually disappeared. No other lights were visible at the time.

AUGUST 6. *Cazenovia*. The Aurora was faintly visible at 9½ P. M. in the north west.

OCTOBER 29. *Hartwick and Cazenovia*. Auroral arc noticed from N. E. to N. W. Arc like a rainbow at *Canajoharie*. Noticed at *Utica*. *St. Lawrence*, very bright. At *Lowville* it was bright and the illuminated region very extensive.

DECEMBER 9. *St. Lawrence*. Brilliant.

1832.

MARCH 27. *Pompey*. At 9 P. M. with a faint white light, extending a third of the way to the zenith. Continued two or three hours.

MAY 12. *Kinderhook*. A lurid bank in the north, with occasional beams of light shooting up.

AUGUST 12. *Cazenovia*. Feebly visible.

22. *Franklin, P.* Very brilliant, and continued all night. At *Lowville*, it appeared with a steady pale light; no flashes or streaks. It extended 45° west of north. Some lightning in the south east.

Cazenovia. Very brilliant at 9 P. M. An arc of about 60° of the northern horizon, was spanned by two arcs of light, the upper one narrow, the lower one reaching over the whole northern horizon. The altitude of the northern and highest part of the arc was about 30°; this appearance soon changed and streams appeared shooting towards the zenith. It continued brilliant through the night.

23. *Ithaca*. A splendid Aurora noticed during most of the evening; the southern termination of the light was bounded by a broad bright arc, both ends resting on the horizon; it presented an appearance nearly phosphorescent. The inner edge of the arc was about 30° above the northern horizon.

Canandaigua. At 10 P. M. unusually brilliant. At first appeared in two pillars nearly in the east and west, which shot up and formed a luminous arc of great brilliancy. At *Auburn*, brilliant at 9 o'clock, also at *Kinderhook* and *Fredonia*. Unusually bright at *St. Lawrence*.

Utica. A few minutes past 11, it assumed the appearance of a well defined arc of light, having its vertex elevated about 55° on the magnetic meridian, and its ends resting in the N. E. and N. W. horizon. Through its whole course the light was uniformly dense, and the edges distinctly defined. It was very brilliant for several hours, and a dark cloud rested in the north from which the streams of light apparently rose.

Fairfield. About half-past 9 a dark arc was seen extending from N. E. to N. W.; the whole sky enclosed by the arc was of a beautiful yellow, constantly variegated by streaks shooting up from 20° to 40° above the horizon, and often moving laterally with great rapidity, and at the same time there was a constant waving from the horizon towards the top of the arc. Some broad rays of light were continued above the arc to the zenith. No wind perceptible, but the vane pointed north west.

24. *Gouverneur*. Very brilliant Aurora.

SEPTEMBER 1. *Cazenovia*. Feeble Aurora.

23. *Cazenovia*. The Aurora occurred as an arc across the north horizon

1833.

MARCH 17. *Franklin, P.* Very brilliant.

24. *Albany*. Bright.

MAY 16. *Hudson*. Brilliant. At *Hamilton*, very brilliant. At 9 P. M. arc, at one time reaching across the heavens from N. W. to S. E.

17. *Lewiston*. Very brilliant from N. W. to E. by S. about 9 P. M. They assumed the form of spires, and rising from the horizon, met south of the zenith in a focus of uncommon splendor.

Hartwick. Splendid at half-past 9. Brightness at times equal to that of the full moon, and continued flashing.

Kinderhook. Resembled rising flames of a mighty conflagration, with the exception, that occasionally the bright flames disappeared and as suddenly broke out with renewed splendor.

Albany. Very brilliant at 10 P. M., parallel columns of light, which moved rapidly from north to south. At *St. Lawrence* first noticed at half-past 8 P. M., from which time till a few minutes past 9, it had nothing more than its usual appearance. At half-past 9 and during one-quarter of an hour the whole heavens, except a small section near the southern horizon, were almost like an unbroken sheet of flame, shooting up from all quarters towards the zenith, where, at times, it was seen in the form of distinct rays of light, meeting in a point. In the south the cornscations rose as it were from a line in the form of a bow, whose highest part was situated exactly in a south direction and elevated at an angle of about 30° with the horizon. At 10 o'clock it had nearly disappeared in the south, but continued bright in the N. and N. W.

Cazenovia. Very brilliant and beautiful. At about 25m. past 9 an arc of light, nearly unbroken, extended from the western quite to the eastern horizon. The altitude of the highest part of the arc was about 41°, and very nearly on the meridian. At 35m. past 9 the arc had quite disappeared and streams of light were seen shooting from nearly every part of the horizon, from the N. W. to the E. directly towards the zenith, and nearly reaching it. During more than fifteen minutes the light was sufficiently brilliant to enable a person to observe the time by his watch with perfect distinctness. At 10 o'clock nothing but a faint glimmering light was to be seen in the west. The color of the light somewhat varied from white to yellowish. At *Utica* the Aurora began to be visible at half-past 8, and although at times somewhat obscured by clouds lying in the northern horizon, at 9, its appearance was strikingly marked and beautiful. From the whole northern horizon, extending nearly to the west, columns of light, exhibiting very distinctly many of the prismatic colors, arose from the horizon, and sent forth flashes and streams of colored light, extending to the zenith. From this point parallel arcs or belts, ranging in an easterly and westerly direction, seemed to concentrate the rays of light as they flashed up, and from the belts quick and repeated flashes of pale red light passed alternately, very much resembling the heat lightning of a summer evening. This brilliant display, so strikingly different from any appearance of the Aurora which had ever been observed here before, continued till a quarter past 10 o'clock. At this time the whole northern part of the hemisphere changed its appearance, and presented a beautiful glow of soft mellow light, very uniformly diffused. At a few minutes past 10 the whole appeared as if agitated by a strong wind, and with flashes intermingled in every form, was moving upwards with inconceivable rapidity, presenting an appearance somewhat resembling the letting off of steam from the highly charged boiler of a steam engine, but covering the whole face of the heavens in the north, and extending beyond the zenith into the south, appearing to descend within about 45° of the horizon. At 11 the columnar forms reappeared, but their number was much greater, and the light was so strong and steady as to throw shadows, defined with as much distinctness as from the light of the moon in her quadratures. At 12 o'clock the flashes still continued with little diminution.

JUNE 29. *Cherry Valley*. Very brilliant at 10 P. M.

JULY 10. *Cherry Valley*. A very brilliant Aurora, from 9 P. M. to 1 A. M. of the 11th. A large part of the northern hemisphere was illuminated, and streams occasionally shot up to the zenith.

Erasmus Hall. Very brilliant at 10 P. M. in the N. E., and from a bright yellow, changed gradually to a fine light green in the north. Several auroral spots at the same time near the north star, and two radii in the east, one of which shot almost to the zenith, in color varying from a light yellow to a deep blue; lasted about 30 minutes.

Ithaca. Very brilliant. One beautiful shaft shot up directly in the east, rising about 80° from the horizon and spreading out at the top in the form of a fan. Uncommonly brilliant. At *Albany* and *Lowville* very brilliant, at the latter place nearly reaching the zenith. Seen at *Montgomery* from 8 to half-past 10.

Utica. It commenced at 10 minutes before 9; a bright light appearing above a dark cloud lying in the horizon, was soon deepened and extended by pillars or columns shooting up from different parts and reaching to a very great height. All however appeared to point in the direction of the magnetic meridian. At half-past 11 these pillars, which were rising and disappearing in rapid succession, formed several arcs or belts, terminating near the western horizon and extending across the milky-way. These arcs were soon broken, and formed into small stripes, parallel and in an oblique direction. The whole display was principally columnar, reflecting a pretty strong light, and assuming forms very similar to several that have been observed in this place for a few years past. It grew fainter soon after midnight.

Neuburgh. At about 45m. past 9, during a bright exhibition of the Aurora Borealis, a streak of light began to appear, beginning due east about 20° above the horizon and passing a few degrees south of a west course to about 10° W. of the meridian. It was about 2° in breadth, and increased in brightness for 20 minutes, when it began to fade, and disappeared in 15 minutes past 10. When brightest, its edges were very distinctly defined. It crossed the *via lactea*, which was then about 40° above the horizon, at nearly right angles, and was at least seven fold as bright. It reappeared a few minutes past 12 at midnight, with its former lustre, extending from the horizon in the west to about 40° in altitude, and somewhat broader than before.

SEPTEMBER 5. *Albany*. At 8h. 40m. a luminous bow about 5° in breadth, extending from the N. E. to the N. W. horizon, the most elevated part being about 31° 30' above the northern horizon. At *Cherry Valley*, very brilliant at 8 P. M. A luminous arc 10° or 15°

in breadth spanning the northern part of the heavens, and elevated at its summit about 40°, or near to the pole star, while within and above it the deep azure of the heavens was not obscured by a single cloud, and no vertical streams of light were seen. At 9 P. M. all had vanished but a few faint streaks. At 10, another larger and less brilliant arc appeared.

Erasmus Hall. Brilliant.

Utica. It presented a columnar appearance; light strong, and rays prismatic.

North Salem. Very brilliant coruscations shot up beautifully.

NOVEMBER 3. *Utica.* Splendid. The quantity of luminous matter was unusually great, exhibiting the appearance of fleecy clouds disposed in layers and arcs, at first lying several degrees above the northern horizon, then rapidly rising in the centre, passing beyond the zenith; sometimes continuous at other times broken, but the belts broad, dense and well defined. At 11 o'clock the belts had mostly disappeared and the appearance columnar; the light unusually strong and the flashes brilliant. At *Lowville*, very brilliant, in successive flashes to the zenith, and thus a space of about 30° was kept in a continual glow.

Montgomery. From 8 to 11, extending 8° each way from the north star.

DECEMBER 29. *Utica.* Very brilliant.

1834.

OCTOBER 8. *Utica.* Very brilliant.

NOVEMBER 2. *Auburn.* Noticed from 8 to 11 P. M., a beautiful arc extending from N. E. to N. W. nearly, and upwards of 25° from the horizon.

1835.

JANUARY 4. *Auburn.* Very brilliant. Arc entire 20° from the horizon. No shooting. Stationary from half-past nine till eleven.

29. *Clinton.* An unusually pale light on horizon.

FEBRUARY 26. *Utica.* Through the night.

MARCH 1. *Cortland.* In the northeast.

JUNE 21. *Albany.* At 15 minutes past 10 P. M.

JULY 29. *Albany.* A single beam from the horizon, a few degrees west of north, extending about 30° towards the zenith.

AUGUST 19. *Ithaca.* A beautiful Aurora.

SEPTEMBER 4. *Bridgewater, Albany and St. Lawrence.* Unusually vivid. At *Oneida Conference*, bright, reaching at times nearly to the zenith.

9. *Albany.* At 9h. 45m. P. M., a faint white arc in the northern hemisphere, which moved towards and passed the zenith about 10 P. M.

22. *Albany.* A brilliant Aurora at 11h. 30m. An arc near the northern horizon.

NOVEMBER 17. *Albany.* At 5h. 35m. P. M., a mass of red light was seen in the east, which in a few minutes extended across the sky in the form of an arc, of a bright red color. About 5h. 35m. a white arc was formed nearer the zenith, and at the same time one below the first. At 6h. 30m. beams of white and red converged to a point south of the zenith. At 10.45 a zone of red light extended across the sky nearly east and west, and streamers of red, yellow and blue, from the whole horizon west, at a point about 15° south and east of the zenith.

Utica. It began at 5h. 15m. by shooting up broad columns of dense crimson light in the direction of east and west of north, between the Pleiades and Aries in the east, and Aquila and Lyra in the west. The intermediate space in the north was illuminated by a white and softer light, resting on a dark ground work on the horizon. The columns of crimson repeatedly appeared, sometimes of a paler and deeper hue, and often intermingled with other colors. At 8, the columns in the west were the most brilliant conceivable, more intense in color and extending very high in the direction of the magnetic meridian. From 9 to 11 the light somewhat diminished, but the glowing, silvery brightness of the north was much increased.

Clinton. Commenced about 6 o'clock, with a broad streak of light, at about W. N. W., a little above the horizon; at 7 o'clock it had risen to the height of about 45°, and spread to the north and eastward as far as E. N. E. At 9 o'clock, and from that time till about half after 10, the whole of the atmosphere, from W. N. W. to nearly E., was illuminated by a reddish light, the rays of which were sufficient to illuminate objects at as great a distance as they could be when the moon is at her quarter. This continued until about half-past 10, when the whole assumed a different aspect—all over head, and considerably to the south of the zenith, was of a bright crimson, and coruscations from N. to N. E. in pyramidal or spiral forms, based a little above the horizon, began to shoot up in rapid succession, all

tending towards, and nearly reaching a point a little to southward and eastward of zenith, displaying all of the prismatic colors brighter than the rainbow. At half-past 11 o'clock the whole disappeared; sky very serene the whole evening, and the stars shone with unusual splendor.

Fairfield. Very singular and splendid. At 6 o'clock the sky in the N. E. resembled a forest in flames. Presently the whole northern heavens presented the same red appearance. In a short time there were seen running up from the northern horizon, white bands, waving, suddenly appearing and disappearing. A faint dark colored bow passed from the N. E. to N. W., passing nearly through the zenith, and no clouds were to be seen, but stars were distinguished almost to the horizon. The heavens were evidently darker in this bow than without it; noticed the last time about 10 o'clock; slight red appearance still continued in N. E.

St. Lawrence. An exceedingly brilliant and unusual appearance. Zones of light, of the color of flame, overarched the heavens. Presently they gave way to a mellow light like that of the dawn, and this in turn was succeeded by flashes of scarlet colored light, shooting up from different parts of the northern horizon. Thus the scene continued to vary from 6 P. M. until a few minutes past 11 o'clock, when clouds overspread the sky.

Cazenovia. It was seen extending from the N. W. round to the N. E., presenting an interesting and singular appearance, from half-past 5 till 8 o'clock P. M.; streaming up sometimes with great brilliancy and at other times becoming almost imperceptible, and the color varying from a very clear white light to a deep red, the same column appearing alternately white and red, twice in succession in different parts of the heavens, from the horizon to the zenith. The different columns finally converged to a common focus near the zenith, and spreading off again to the S. and W., presented the appearance of a white luminous cloud, and thus gradually faded away at about 8 o'clock. The lights, however, in the N. W. and N. E., to the distance of about 30°, remained constantly of a deep red color.

Cambridge, Bridgewater, Cortland, Dutchess, Hartwick, Kinderhook, Middlebury, Newburgh, North Salem, Oxford, Oyster Bay, Pompey, Redhook and Union Hall. It is mentioned as splendid.

18. *Albany.* At 4 A. M., a very bright auroral light noticed in the N. W. At 9h. 35m. P. M., a low arc in the north and numerous beams from the northern horizon, extending about 45° towards the zenith.

Clinton. A uniform pale light appeared from N. W. to N. E., about 15° above the horizon.

Utica. The whole north was splendidly lighted with white and silver light, not diversified by crimson or other colors. No columns. Mentioned as more or less brilliant at the following academies: *Auburn, Cambridge, Bridgewater, Cortland* (bow in N.), *Johnstown, Kinderhook.*

Lewiston. Streams of light pink, white and lead colors shooting up from the northern horizon, resembling the glare of a conflagration.

Redhook. It came up in bright waves.

1836.

FEBRUARY 11. *Albany.* An Aurora with beams. At *Montgomery*, extending 15° each side of the north star, and continuing several hours.

APRIL 12. *Cazenovia.* A single beam from the horizon, 30° west of north, extending about 60° from the horizon towards the zenith. Seen from 9h. 45m. till 10 P. M. moving sensibly to the south; vanished at 10h. 30m.

19. *Cherry Valley.* Large and brilliant.

20. *Albany.* Several beams.

21. *Cortland.* From 1 to 3 P. M.

22. *Hartwick.* Splendid till 2 A. M. At *Kingston*, splendid, and continuing till 2 A. M. of the 23d, with singular and pleasing variety. Thin clouds were floating in the atmosphere, which at times were rendered intensely brilliant by sudden alternations of light and shade. At times, the appearances were those of streaks of lightning, radiating from a centre in the zenith, and terminating near the horizon. Towards midnight, the whole hemisphere became more brilliant; pencils and beams of crimson light were shooting forth in every direction, and various fanciful figures followed each other in the most rapid succession. The effect was diminished by the brilliancy of the moon.

Albany. Brilliant, with converging beams from the whole horizon; red in the west.

Cazenovia. Faint early in the evening, but towards 10 they changed to "merry dancers," occupying most of the heavens, except the extreme south, with great brilliancy.

Onondaga. At 12, very singular; low in every part of the heavens; N. W., shooting up in regular lines or streaks towards the zenith; N. N. E. and E., appearing mostly in variable luminous spots, and a few lines shooting upward; S. E. S. and S. W. in a horizontal direction; flashing or flickering, suddenly appearing and disappearing; sometimes resembling flashes of lightning (only slower in its movements) behind a cloud, when only the border of the cloud is partially illuminated; again, in other parts, resembling the waving or flapping of a sail or sheet in the wind; rather luminous and brilliant. Thermometer 30°. Angle of elevation at south, not exceeding 25° or 30°.

Oxford. Splendid.

Utica. Soon after 9 o'clock, columns of strong and deep auroral light were seen rising from a dark cloud lying in the northern horizon, and shooting high towards the pole; these soon separated into rarer columns, of a spray-like appearance, passed off into the heavens and were succeeded by others of similar appearance, but some of denser and others of feebler light; the prismatic colors occasionally appeared in the larger. In a few minutes the rays were rapidly shooting up at various intervals of space, farther to the W. and E. The columns in the W. were higher and of a stronger light than in the E. At 11h. 20m. they had extended around the whole heavens, except 40° or 45° in the S. In less than half an hour, the whole circumference of illuminated rays began to assume an upward motion of successive wavings, somewhat resembling the disengaging of steam, and concentrated a little south of the zenith; there they formed an irregular ellipse, extending north and south, inclosing an area of clear sky, around which the rays of auroral light played like flashes of electricity on the edges of a cloud. These were sometimes diversified in colors, but more marked and of a deep crimson on the north side. A few minutes after 12, the star δ of Leo passed the meridian and was then in the centre of the illuminated circle. The stars elsewhere, except S., were obscured by the auroral light. The circumference of this figure was so strongly illuminated by the fitful flashes of light proceeding from the numberless converging rays shooting up with great rapidity from all points of the heavens, and inclosing a solitary star like a gem, in the centre, presented altogether a most beautiful meteoric phenomenon. Before 1, the sky was obscured as by dense mist and fog, and the rest of the night was cloudy.

Auburn. Uncommonly brilliant. At 11, it appeared somewhat like an outspread umbrella. Streams of luminous matter, mostly white, but sometimes beautifully tinged with yellow and pink, seemed to rush from all points of the sky, flashing and flickering, appearing and disappearing, and to fly with the rapidity of a rocket towards a point in the zenith around which was a splendid halo of light; this lasted three or four hours. Both this and that of the 20th was followed by snow.

From an article in the Albany Advertiser, on this Aurora, it is learned that during the day, the barometer had been rising, with the wind N. W., and the thermometer lower than the day before. At 6 P. M., the barometer stood at 30.225, thermometer 55° 75 and dew point 16°. First seen a little before 8, when beams of white light were seen shooting up to the zenith from N. and N. W., continuing with variable brightness till about 10, when others of peculiar brilliancy succeeded. Near the zenith, the beams were deflected to the south and then to the north, forming the segment of a circle, and at their union a large angle, with its vertex rounded and drawn towards the south. Faint beams from north. At 10h. 45m. entirely in the south, and the beams radiating from a point very near the vertex of an equilateral triangle, having for its base a line joining α and η of Boötes, proceeding thence towards the horizon, and by an apparent enlargement at two different places, formed imperfect arcs, but the whole was constantly changing, and at 11 overspread the whole sky, towards the S. W., of a deep crimson, while in other places it consisted of bluish and orange white beams of variable brilliancy. Soon after, the "merry dancers" appeared, at first south and then north, as if an intense light was alternately flashed upon and moved from a transparency. In 15 minutes it faded away rapidly, to reappear very brilliantly in E. N. or S. At 12, the barometer stood at 30.305, thermometer 28° 50 and dew point 19°. During this phenomenon, the beams moved from E. to N., W. and S. Between 12 and 1, an arc was seen passing from S. S. W. to N. N. E. Till 1 A. M., the sky was free from clouds, and without the dark space usual below the Aurora at the north. The smallest stars were visible. At the vertex, the appearance was that of four segments of circles, with convex sides towards each other.

Flushing, Long Island. The appearance was very brilliant, but not essentially different from what has been above described.

23. *Albany.* Brilliant Aurora with converging beams; dense white at the apex. Seen brilliant at *St. Lawrence* and *Bridgewater*.

Utica. Remarkable for its great extent east and west, and for its steady, strong light, which continued till late at night. At 12, slightly columnar in N.

24. *Bridgewater.* At 11, in N. W. N. and N. E., rising in waving lines; sometimes, especially in the east, reaching the zenith.

MAY 7. *Utica.* At 11.30 P. M.

8. *Kingston.* Very brilliant from 8.30 to 10.30.

Utica. Very brilliant, with a well defined arc, at 9.15 P. M.

19. *Albany.* Brilliant. *St. Lawrence.* Brilliant.

Utica. Seen before twilight was gone, in N., and reaching a few degrees E. of N. Deep crimson above; the central and lower parts diversified with different colors of fainter and deeper shades, in which crimson and reddish were predominant. It much resembled a distant fire. At a few minutes before 8, beams shot up in N. W. and a few degrees further W. Evening very clear.

JUNE 5. *Albany.* At 11.30, shooting up into beautiful columns.

JUNE 8 and 9. *Albany.* Several beams.

JULY 31. *Albany.* Brilliant arc and streams.

Onondaga. In luminous spots.

AUGUST 1. *Utica.* Beautifully prismatic and columnar.

2. *Auburn.* At 9 P. M., not brilliant.

Albany. With a brilliant arc.

Onondaga. Beams to N. W., nearly to the zenith.

Utica. Remarkable; at first columnar, with distinct prismatic rays. At 10.30, a broad, well defined arc across the heavens, a little south of the zenith. More complete and perfect than any which had been observed for several years.

11. *Onondaga.* Luminous behind clouds.

Utica. Very bright, not columnar.

12. *Newburgh.* Splendid. At *Onondaga* not luminous.

19. *Onondaga* and *Utica.* Rainbow-form, are low and spreading.

SEPTEMBER 15. *Auburn.* Not brilliant, at 10 P. M. At *Kinderhook* beautiful. At *Albany* with streamers.

OCTOBER 23. *Onondaga.* A luminous appearance in the N. E., of a yellowish, reddish iron rust color, shooting up towards the zenith, said to have been seen.

NOVEMBER 1. *Utica.* Bright, at 11 P. M., columnar and prismatic.

1837.

JANUARY 14. *Onondaga.* Aurora seen passing in parallel belts from N. E. to S. W., the extremities converging. Thermometer —9.

25. *Bridgewater.* Brilliant. At *Albany* red; first noticed about 6 o'clock P. M., in a broad, red colored arc, from E. to N. W. Barometer rising and at that time 30.12, with the thermometer 14½ and falling. Brightness variable, stronger to W. Sky clear, except a narrow cloud on the eastern horizon. Soon after 7 o'clock, beams shot up from different points, which, at half-past 7, formed a complete corona, a little N. and E. of the Pleiades, probably in the direction indicated by the dipping needle. Whole heavens covered with the Aurora, in many places colored. Jupiter and his moon seen by a telescope through the auroral light. Brightness variable, fading almost away and again flashing up with increased splendor. Brightest at 10.30. The moon shone brightly during the evening.

Delaware. Splendid. The light appeared shortly after sunset, in N. W., and at 8 o'clock red rays shot across to the S. E., forming a complete arc. At 10.30 a corona of red light. At 11 this disappeared, but in half an hour returned still more splendid; at 12 it again disappeared and did not again appear. At *Erasmus Hall* and *Ithaca* the clouds were quite thick, yet the light was very bright, and appeared like the reflection of fire.

New-York. There appeared, soon after twilight, a sombre cloud, the segment of a circle in the north, from which, at 6.30, issued white and red streams. Columns of deep pink, or rose color, from N. W. to E., for nearly an hour, spanned the heavens with a broad belt of light. Beneath this, in the N., were innumerable streams of white and pink rays, having a vertical motion, and joining the crimson arc, presenting a peculiarly brilliant and magnificent appearance. This declined, but at 10 o'clock a corona formed in the zenith, from which rays shot in every direction, occupying nearly the whole heavens. It contracted itself on the N. W. side, and entirely disappeared towards the south.

Buffalo. At fifteen minutes before 7, the heavens lighted up with a red illumination, like the reflection of a fire upon the clouds. The light of unequal strength in different parts of the heavens. Sky at this time obscured by a dense haze. At 7.20 the strongest light having till then prevailed between south and west, and between the horizon and 45° above it, the horizon at due south and from this point to 60° W. suddenly lighted up with increased brightness, and this extending through the zenith soon reached the horizon in the northeast, where its brightness was equal to that in the west but its breadth one or two degrees less. The breadth and brightness in zenith was less, and soon faded, while near the horizon it remained longer. At 9.10 the whole had disappeared, no stars or planets

being visible from the haze. At *Fredonia* the light reappeared, late in the night, very brilliantly.

Mount Pleasant. Splendid. A dark segment, shooting up streams of light from its margin; a corona formed about 10° south of the zenith, from which reddish beams diverged towards the south; a pale blue, crossed by reddish rays, surrounded the point of convergence. Variable. At times, the whole heavens covered by a sheet of flame, which changed with great rapidity.

Kinderhook. Brilliant, fantastic and very changeable; arcs, radiations, flashes and lurid banks; colors various. At *Lansingburgh* and *Lowville*, splendid; reappearing several times during the night. Red appearance of the atmosphere, *Middlebury*, *Monroe*, *Newburgh*.

Cazenovia. At 7 P. M., something resembling luminous clouds appeared, floating from west to east, shedding a light like that of an extensive fire. Continued some time. At 9 P. M. cloudy.

Onondaga. Splendid red arc from E. and W. to the zenith. Variable. At times very bright red, in spots or streaks; sky covered with thin, light clouds; At 12 P. M., it extended across the heavens N. and S., in a long, luminous wave or belt.

Pompey. Cloudy; but an Aurora suspected from the red, luminous appearance.

Redhook. Very splendid. Commenced in N. W., and continued to expand till the whole heavens except the S. and S. W. were covered with streams of light and red, flickering and shooting upwards in various forms towards the zenith. It lasted two hours.

Mexico. A lurid cloud in north, from the highest part of which radiations shot up towards the magnetic zenith, about 5° N. W. of the Pleiades; wind changed from N. to S., and the adjacent houses appeared to be on fire from the flood of red light. The magnetic needle appeared troubled, and attracted towards the west; alternate radiations of white and red light. At 9 o'clock it disappeared.

Rochester. A splendid crimson Aurora, from 7 P. M. till 10.

Schenectady. A splendid red arc, from east to west.

Union Hall. An extraordinary appearance of light in the north, commencing at half-past 6, and increasing till the whole northern heavens glowed with auroral light; in columns converging in the zenith. This appearance continued till late.

Utica. Splendid.

FEBRUARY 17. *Schenectady.* A bright red Aurora.

MARCH 30. *Onondaga.* Rather luminous and uniform, shooting up in light, evanescent streaks or rays, all of which arose perpendicular to the horizon and converged towards the zenith.

Rochester. A bright auroral arc with streams.

APRIL 5. *Auburn.* Between 9 and 10 P. M.

6. *Albany.* With red beams. At *Cazenovia*, brilliant.

Onondaga. At 6, a splendid auroral cloud just above the setting sun; luminous, wavy, streaked. At 9 P. M., an Aurora.

21. *Delaware.* Extending near the zenith, 8.30 P. M.

JUNE 2. *Albany.* An arc. As it was going off, small clouds of light were seen rapidly scudding in columns from the east, and on arriving at the zenith, passing circuitously towards the northwest.

JULY 1. *Canajoharie.* Beautiful from 10 to 11 P. M.

Albany, *Cortland* and *Fredonia.* Brilliant, with a corona.

Ithaca, *Kinderhook* and *Kingston.* Very brilliant between 10 and 11 P. M.

Lowville. Arching the whole heavens.

Cazenovia. Bright at half-past 10, diffusing itself like luminous clouds in every direction, from the north almost to the extreme south; flashes, somewhat like lightning, darting through these, with distinct vibratory motions which could almost be counted. These oscillations continued over the same space, converging to a point a little south or southeast of the zenith. This radiant light soon filled every part except the southern quarter, and so continued with some variation for about an hour; the light generally white, with some streaks of red.

Onondaga. Splendid luminous columns in the east; at half-past 10, columns from every part met in the zenith, sometimes arched; some fiery red. Thermometer fell 5° in an hour.

Pompey. At 9 P. M. splendid. Streams in every part, converging to a point in the zenith.

Rochester. Very splendid, from 10 to 11. Red, purple and white.

31. *Onondaga.* Slender columns in the northwest.

SEPTEMBER 5. *Onondaga.* At half-past 10, shooting up in tall columns.

OCTOBER 22. *Gaines.* Very brilliant in the evening; heavy fog and banks of clouds on the horizon in the morning.

NOVEMBER 12. *North Salem.* Beams of red light in N. N. W. at 8 P. M.

13. *Gaines.* The clouds tinged with a red blood-like hue.

Schenectady. Splendid red.

14. *Bridgewater.* From N. W. to N. E. very bright and of a reddish cast; corona.

Canajoharie. Very beautiful, covering at times the whole horizon.

Erasmus Hall. Red rays shot up to the zenith.

Fairfield. Very bright; at 9, streaks of red or yellowish light were rising from all directions towards a point about 8° S. of zenith, through which a heavy arc of red light extended in a N. W. and S. E. direction. Towards the S. S. E. and N. of the zenith, dense streaks of light yellow were seen in constant motion. Wind strong in the direction of the arc, and the thermometer at 19°, having fallen 6° in three hours.

Gouverneur. Brilliant; of a deep red color, extending from the zenith, east and west, nearly to the horizon.

Hamilton. Brilliant.

Hartwick. Splendid, about a quarter past 9 P. M.; corona a little south of zenith; white, and around the apparent focus of streams, crimson. It continued half an hour.

Ithaca. Beautiful; commencing in the N. W. about 6 P. M.; sky covered with light clouds, bright red, and gradually spread until the whole heavens were covered, and appeared to fade with the rising of the moon; but between 9 and 10, it broke forth with greater beauty.

Buffalo. A space 15° in diameter, west of Cassiopea and Andromeda and north of Perseus, lit up with a rosy hue of deep intensity early in the evening; from its centre, pencils of white radiated on every side; soon the whole became red, which quickly extended through the zenith and down to the horizon 60° W. of N. It did not extend to the east. During this time, a space in the north remained clear. When the arc disappeared, red streams, mingled with white, arose from either side of the north; these arose and faded without converging. These fading, others further east appeared, moving slowly eastward, not disappearing till near the east point. At 5.43, the north hazy, and this rapidly thickened for some minutes; at 5.47, clouds more dense and dark, though still in detached masses, particularly in that space occupied by the red arc, where, west of the zenith, and along the track of the arc, a vivid red appeared along their southern border; while east of the zenith down to the horizon, similar clouds were illuminated on their northern borders. At 5.51, the red edgings of the clouds disappeared and the N. E. became lighted up with a deep red, but not to the horizon. Soon after the moon arose the Aurora disappeared. No disturbance of the magnetic needle was noticed. One meteor seen.

Lowville. Columns of white and red light shot up with gentle undulations, concentrating at the zenith, spreading a lurid glare. From 6 to 7 and 9 to 10.

Mount Pleasant. Bright, with red streaks reaching to the zenith.

Cazenovia. Brilliant, with radiations to the zenith. It subsided after about an hour, and reappeared at 9, more imposing than at first, like a splendid pavilion, distinctly striped with red and yellow all about the zenith, and extending generally half way down to the horizon.

Onondaga. Began early in W. N. W. and extended in a bright belt to the east. It soon expanded over towards the north, forming a kind of arc across the northern sky, with rays of light and red shooting down towards the horizon. It faded in the west, and grew lighter in the east; the evening somewhat cloudy, and the clouds, even down to the southern horizon, tinged deeply with red; disappeared in an hour.

Pompey. Very brilliant, much resembling that of July 1, with stronger light and more brilliant colors.

Rochester. Crimson Aurora at sunset; rose in the east, and extended to the zenith.

St. Lawrence. Exceedingly beautiful, more so than any previously noticed at that place. Colors silvery, every shade of red and brilliant purple. Whole heavens illuminated, even to the farthest south. At 8 o'clock it appeared in the greatest splendor, when tall columns of silvery light were seen in the northern horizon, sometimes shooting up to the zenith, and again moving slowly from E. to W., as if impelled by a gentle breeze. A bow of the brightest red spanned the heavens, bearing a little N. of W. through the zenith, at which point was a ring of bright silvery light. The whole southern heavens were at the time illuminated with a dark red light, as if reflecting the flames of a conflagration. The whole presented a scene of awful and imposing grandeur. Seen also very splendid at *Utica* and *Union Hall*.

1838.

JANUARY 25. *Cayuga.* An Aurora extending spirally from horizon to zenith.

FEBRUARY 20. *Ithaca.* Brilliant.

21. Brilliant at *Albany*.

Newburgh. Remarkably waving. At *Salem* brilliant motion from W. to E., needle agitated during it, but inclined upon the whole

about $3\frac{1}{2}^{\circ}$ E. The barometer rose and fell alternately, but eventually sunk 0.3 of an inch. The next morning it was at the point marked at 5 o'clock previous to the Aurora. From 7 to 9, the thermometer fell 15° .

APRIL 29. *Kinderhook*. Beautiful between 8 and 11 P. M. Brilliant at *Union Hall*.

JUNE 25. Arc at *Albany*.

JULY 15. With beams at *Albany*.

27. Arc, *Albany*. Brilliant at *Utica*.

AUGUST 22. *Gouverneur*. About 9 P. M. presenting the phenomenon of a beautiful arc, spanning 90° of the horizon, and extending at its highest point about one-third of the pole star; sometimes of a dazzling white and uniformly intense from end to end, and at others broken into luminous columns, some of which, springing from the crown of the arc, and diverging as they advanced, threw a veil of softened light over the northern sky. Detached masses of light like clouds.

Mexico. Began about half-past 7 P. M., with a lurid arc, elevated a few degrees, from which shot forth white rays from the convex side.

SEPTEMBER 13. Auroral arc at *Albany*.

Onondaga. From 10 to 10.30 o'clock, in a broad extended arc across the northern sky, rather luminous.

14. *Onondaga*. Splendid at 10 to 11; appearing in stationary masses of light columns, luminous waves, flashing, flickering, appearing, disappearing, etc., etc.

Albany. With beams. White; about 9 P. M. a bright and well defined line of Aurora light was formed from E. to W., through the zenith, and spanning the sky. After 15 minutes it grew irregular and disappeared. Peculiarly tortuous; *Ogdensburg*.

15. *Onondaga*. Began about 7 o'clock; reddish N. E., not remarkable; 10 o'clock became more varied and beautiful. At *Albany* brilliant. At *Franklin, P.*, a bright streak in the east, bearing off S. W. At *Gouverneur* beautiful streams flashing irregularly to the zenith. At *Mexico* splendid. At *Utica* splendid at 9. Rays white. The body of light extended about 40° on the N., and had an elevation of about 20° .

16. *Onondaga*. Early; about 10.15 beautifully arched; soon began to shoot up in tall, slender columns; arc soon became broken up, and the whole northern region of the sky began to blaze up in flashes, most dense in N. W., of a light lambent appearance, extending to and beyond the zenith. Gradually stretched around to the W., and after half an hour died away. A very light arc, resembling a rainbow, extending quite across the heavens, from E. to W., constantly varying in place, width and brightness; *Hamilton*. At *Cortland* very splendid and luminous, the latter part of the night. Very brilliant Auroras for several evenings in succession, especially the 16th. Centre of radiations near zenith, or about the radiant point of the meteors of 1833, and were peculiarly rapid in their vibrations; at one moment shooting up with the appearance of flame, again receding and emitting a pale, unsteady light. Tremulous motion like waves from E. to W.; *Gaines*. Splendid, *Mexico*. At 9 P. M. *Utica*.

17. *Onondaga*. Not remarkable, till a short time before 9, when a belt shot across a little south of the zenith, and about 45° or 50° beyond it, to the west; at first regular, but soon broken and shortly disappeared. At *Cortland*, at half-past 8 P. M., a narrow strip across the sky, E. and W., lasting 20 minutes.

Hartwick. A most brilliant and luminous arc, between 8 and 9, about 1° in width from E. to W. At *Ithaca* beautiful arc from E. to W. At *Utica* unusually brilliant.

SEPTEMBER 19. *Hamilton*. Eastern lights.

OCTOBER 16. *Albany*. Bright.

NOVEMBER 9. *Utica*. Brilliant at 8 P. M.

14. *Albany*. With arc.

25. *Albany*. Bright.

26. *Mount Pleasant*. Brilliant.

DECEMBER 13. *Onondaga* and *Rochester*. Beautiful.

1839.

JANUARY 10. *Gaines*. Commenced at 6 P. M., and continued all the evening; it, for the most part, remained stationary, resembling a number of rainbows, one within another. Occasionally it veered around very far to the east.

Kinderhook. Brilliant arc in the north, about 30° high in centre.

Rochester. Five arcs.

14. *Auburn*. Splendid. At *Gaines*, very similar to the one on the 10th.

Utica. At 7 P. M., a broad belt of white light, increased in brightness till 9. At *Onondaga*, very beautiful.

19. *Kinderhook*. For several hours. Beautiful, in clouds, and shooting up.

FEBRUARY 4. *Lowville*. Auroral arc from 7 to 10 P. M.

MARCH 5. *Fredonia*. Streamers bright.

Cazenovia. Brilliant. At *Onondaga* and *Rochester*, beautiful, shooting up in tall, slender columns.

19. *Fredonia*. Streamers bright.

APRIL 7. *Cortland*. Very white, commencing about 10 P. M.

MAY 5. *Lowville*. Arc with brilliant streams.

Rochester. Brilliant.

JUNE 7. *Franklin, M.*, and *Albany*. Brilliant.

AUGUST 10. *Lewiston*. Brightest about 10 P. M., when the light shot up nearly half way to the zenith in streams, a little to the N. W. Next day gloomy and rainy.

22. *Lowville*. Bright, beautiful streamers at 9 P. M.

28. *Canandaigua*. Rather luminous in the N. W.

Utica. Very brilliant at half-past 8.

SEPTEMBER 3. *Albany*. Splendid; the entire heavens lighted up with long massy rays of a rich silver hue, radiating from the zenith, and forming a dome of magnificent proportions. Deep crimson mass in east and west alternately, which formed a striking contrast with the long lines of white light with which it at times mingled. Continued till late. Light so strong at times as to cast shadows. The northern horizon gleamed with a steady pale lustre.

Cambridge. Brilliant and varied; appeared soon after dark, and at 40 minutes past 8 became very brilliant. More brilliant in the south than north. The radiant point of the corona was about 15° S. E. of Lyra. The Aurora was spread out nearly in the form of the sector of a circle of about 150° from a little S. of E. to a little S. of W. At 9.20 red columns appeared in the east of so vivid a hue as to give a reddish tinge to white objects; in the W. and S. W. it appeared of a snowy whiteness. At 9.30, extremely brilliant, and so light as to enable one to read. Motions very rapid, especially in the north; the beams at their lower extremities, of the various tints of the rainbow.

Canandaigua and *Cortland*. Splendid.

Erasmus Hall. Very clear; At 8.30 a canopy with the apex near the zenith, and brilliant radii extending nearly to the horizon in every direction. Purple near the centre. Soon changed to the more common form, the greatest brilliancy being in the north. Aurora in west and southwest.

Fairfield. Unusually brilliant, extending over the whole of the northern sky.

Franklin, M. Very distinct

Franklin, P. Very splendid; from 7 to 9. Points of radiation east and west, from which belts would shoot up and meet in the zenith; corona at times. At times red, but generally white. Light as strong as that of the full moon. Weather rather colder a day or two before, but after the Aurora it was warm and sultry.

Gaines. It commenced soon after dark, and continued with variable intensity till 10. Point of convergence of radiation a little S. W. of the zenith, between Lyra and Aquila; during some part of the time the light was dark red, like blood, at others, it was like a brilliant flame, and again of a pale yellow; gave as much light as the full moon, and stars of the first and second magnitude were alone visible. Radiations, at times, as brilliant in the S as N. Evening fine. The wind which for some days blew from the N. W. changed very suddenly to the S. E.

Gouverneur. Splendid at 9 P. M.; the whole heavens glowed with brightness. Columns from the north, of white, red tints, rose to the zenith, having a tremulous motion. A corona formed a little south of the zenith.

Ithaca. Very fine, spreading over nearly every part of the heavens, to within 20° of the southern horizon.

Kinderhook. Remarkable, continuing from early till 2 or 3 o'clock.

Kingston. Beams from every part of the horizon except the S. W., which often united at the zenith. In the S. E. and N. W., these were tinged with red; in the N. and N. E. they were white. First observed between 8 and 9 o'clock; at 9.30 most brilliant.

Lansingburgh. Splendid.

Lewiston. About 9 P. M., very bright and splendid; red and white beams from the horizon uniting in the zenith.

Middlebury. Very beautiful about 8 P. M., radiating like a fan, a blank place for the handle, from a point about 10° S. of the zenith over most of the southern sky. Color purplish-red mingled with white. Soon after the radiations became stronger, and presently dying away, an opposite radiation of light took place, as if from the same point, and a counterpart to the former; a general radiation from this point, towards every part of the horizon, pervading most of the heavens. At 8.30 nearly gone.

Lowville. Its approach was indicated at 8 o'clock, by the appearance of certain apparently cirro cumulus clouds, floating over the whole heavens. At the south, a broad and beautiful arc extended

quite across from E. to W., at an elevation of 30°. In the north, at about the same elevation, was an arc, but broken and constantly varying in brightness, from which streams of a yellowish white color shot up to a point a little west of the zenith. At 8.30, masses of the broken arc were driven, by a north wind, past the zenith, and were apparently piled upon the southern arc, until about 9 o'clock, when the northern arc had disappeared and nearly every luminous appearance in the north had ceased. Just then, the auroral clouds in the south flashed up in columns, pointing to the zenith, and with a varying intensity of color. Red columns rose from the southern arc, and suddenly gave place to succeeding changes of yellow and violet. Changes occurred incessantly in the colors, except a belt of red light from east to west, midway between the zenith and the horizon, varying in width from 3° to 5° and remaining unchanged for twenty minutes. The Aurora continued five hours. A meteor from N. W. shot up into the focus of the beams and disappeared.

Montgomery. Brilliant light from N. E., continuing eight hours, equal in brightness to the full moon.

Mount Pleasant. Of every shade from white to red. Focus of rays constantly moving, but mostly a little south of the zenith. A great variety of forms noticed, and successive waves of light moved rapidly in the direction of the columns to the centre of the radiations.

Oncida Institute. At 9 P. M. in great beauty.

Onondaga. Beautiful; at first red in the east, soon spreading over a great part of the heavens; sometimes radiating and columnar. A zone from E. to W., a little south of the zenith. Rays from the north and south reached only a few degrees each way from the point of meeting near the zenith. Colors red and variable. Continued from 8 till after 9 o'clock.

Oxford. Brilliant at 9 P. M.

Redhook. Very splendid, remarkable for its luminous undulations. Point of radiation a little S. E. of the zenith, near the Pleiades.

Mexico. Splendid.

Rochester. White, blue and yellowish, and a part of the time splendid crimson. A dark arc in N., and streams shooting up in great numbers to the zenith. An arc from a little S. of E. to a little N. of W., sometimes a little incomplete towards the zenith, and having, for a considerable time, a bright nucleus or centre, a little south and west of the zenith, towards which the Aurora appeared to ascend from the north and east, and then to extend southward to many degrees below the zenith. No flashing or waving of the light, or merry dancers, noticed.

Springville. Seen rising from every point but the south, and meeting near the zenith.

Union Hall. Brilliant.

Utica. Radiations from the zenith, shooting down to the horizon; color and brightness variable. At one time limited to the northern heavens, and passing gradually from N. to E., and occasionally illuminating the whole heavens. First seen at half-past seven. Streamers at first white and gradually changing to a dusky copper color, and finally into a red cast. At half-past 8 very brilliant. Radiant point a few degrees S. E. of the zenith, and not confined to any one point of the compass, though least vivid in N. E. Streamers, during their whole appearance, continued in motion.

Boston, Mass. This remarkable Aurora was noticed, extending at times over the whole heavens, but chiefly in streams of light from the zenith to the E. and W. Appeared at times like a veil extending across the sky, and rapidly changing in form and hues from deep purple to brilliant white. In the north the least light. It began at about a quarter-past 8, and was most brilliant at about 9 o'clock. During the afternoon previous, a distinct mirage was observed in the harbor.

Lake C. H., Ia. Noticed near the head of Lake Michigan, much as above described. Also at sea, from the steamship Great Western, in latitude 48°, longitude 44°, where its appearance is described as having been unusually splendid. The wind was very strong at the time, and soon after increased to a hard gale. (See Amer. Jour. Sci., 1st series, xxxviii., 146.)

4. *Canandaigua.* Faint Aurora.

6. *Canandaigua.* Faint in the east, at 10 P. M.

14. *Cortland.* White streams from the N. and W., converging to the zenith, from whence they passed off to the S. and E., of a brilliant red.

Ithaca. Arc broad and low.

OCTOBER 1. *Canandaigua.* For one hour at 8 P. M.

10. *Albany.* Brilliant.

22. *Albany.* Bright red.

NOVEMBER 18. *Canandaigua.* Aurora at N. W.

30. *Canandaigua.* From 6 to 7, in the N.

1840.

JANUARY 3. *Gaines.* Very brilliant; continuing nearly all night, bright enough to form shadows.

Montgomery. Very brilliant for about twenty minutes.

Salem. Brilliant coruscations, rapid and vivid.

4. *Mexico.* Beautiful before daylight.

Salem. No coruscations, but a vast body of light concentrated due north, surrounded by thick clouds, and these by a circumference of vivid light; quite 5° across, which reached from east to west.

Onondaga. Of a splendid silver lustre.

31. *St. Lawrence.* Like clouds illuminated by a bright sun; slight flurries of snow.

FEBRUARY 7. *Lowville.* With streams. Rain 46 hours after.

MARCH 5. *Fredonia.* Beautiful.

Lowville. Streams and arc; followed by snow in 19 hours.

Onondaga. Very beautiful, a few minutes past 10 P. M.

8. *Gaines.* In the form of an arc, like a rainbow.

25. *Lowville.* Arc; with snow crystals 33 hours after.

APRIL 1. *Onondaga.* Very beautiful; at 8 A. M., shooting up in tall, slender, variable columns tinged with red; in the northwest.

4. *Onondaga.* Very beautiful arc.

5. *Cortland.* Bright at 3 P. M.

20. *Lowville.* Auroral arc at 11 P. M. Rain 34 hours after.

23. *North Salem.* With vertical rays.

24. *Lowville.* Arc at 9 P. M.; with thunder 21 hours after.

MAY 1. *Lowville.* Auroral arc 9 P. M.; rain 18½ hours after.

29. *Cayuga.* Remarkable for its luminous undulations. It began with a bright streak from east to west. At 9 P. M., an arc of light gradually rose from the eastern horizon, and extended through the zenith, nearly to the western horizon; it increased in splendor for about 30 minutes, and then gradually faded, until it nearly vanished after an hour.

Cortland. About half-past 9 P. M., the sky being without a cloud, a streak of light, like a rainbow, but without its columns, was observed to extend from N. W. to S. E., nearly touching both horizons. Compact, when first noticed, with a breadth of one degree. It then shot out flashes like the common Aurora, and then disappeared gradually. There was a cloud in the N. W., from which the Aurora seemed to generate, from which proceeded flashes of lightning, *Erasmus Hall.*

Fairfield. At 9 P. M., a brilliant Aurora, extending over the whole northern sky, shooting up in bright and constantly shifting flashes, towards the zenith. *Franklin, M.* Beautiful.

Lowville. With streamers at 10 P. M.; rain 54 hours after.

Mount Pleasant. Appeared faint till about a quarter-past 9, when a belt of light from east to west a little south of the zenith appeared. Breadth from 1° to 3°, narrowest near the eastern horizon. Brightness variable; position changed a little, and the west part occasionally disappeared. It appeared to be disconnected with the other lights; it lasted about 30 minutes and was a brilliant spectacle.

North Salem. A beautiful arc from S. E. to N. W.

Rochester. Splendid; at 9 P. M., a bright halo of light was spread over much of the north; about 40° high, and from east to west, an arc passing a little south of the zenith, which had a tinge of red and soon vanished; soon the streams or pillars shot up in the northeast, and round to the northwest, but most were about the north, and clouds of light rose to the zenith and beyond it, and the waving of light began, in rapid and quick succession, passing to the zenith, and beyond it, on each side. Focus a little south and west of that point. The Aurora faded away, but after 10 o'clock it returned in all its splendor, the pillars and waves being superb. The clouds, lighted up towards the zenith, would continue luminous for some time. Soon after 11 it disappeared.

Albany. Very bright, with beams.

Onondaga. It commenced flashing and blazing at half-past 10. Seen as far south of the zenith as 10°. The needle varied 1° east during the display.

JUNE 28. *Lowville.* An arc at 10 P. M.

JULY 25. *Onondaga.* Several beautiful auroral or magnetic clouds during the day. Aurora in the evening.

29. *Clinton.* At 9 P. M., directly in the north.

Onondaga. A beautiful auroral arc; soon bright luminous spots appeared, and columns arose; presently changed to two broad, nearly horizontal strips or belts, one of which soon disappeared.

AUGUST 19. *Onondaga.* Arc, intermediate between an auroral cloud and a real Aurora; first seen soon after sunset; just before 9, it became more broken and luminous in the N. and E. of N.; columns soon shot up, and these were succeeded by an arc, having a dark space below. At half-past 9, two arcs appeared, the upper one en-

ture; the western extremity of the lower one wanting. Just before 10, they appeared to run into each other; bright spots appeared in the space below, advancing and enlarging with a uniform motion to the east. At the same time very delicate columns arose suddenly; from these, and from nearly the whole extent of the upper arc at once, but which continued but a few moments. 2 small meteors. Needle not sensibly affected. At 12, an auroral arc distinctly visible in the moonlight.

25. *Onondaga*. Seen at 10 P. M., early in the evening. Soon became cloudy from the north.

28. *Clinton*. At 9 P. M., 48° towards the zenith, covering 90° of the horizon. Highest due north. Appearance like the approach of sunrise. *Lowville*. At 8 P. M.

SEPTEMBER 25. *Onondaga*. At a quarter-past 10 o'clock a singular Aurora. Northern sky hazy; a space below *Ursa Major*, of variable brightness. Some time after, an arc formed, low and imperfect in the N. W., and another which was brighter reddish, and these changed brightness several times. At 11½ none but a light strip in the north, which varied in brightness several times in a minute.

OCTOBER 20. *Franklin, M.* Beautiful between 6½ and 7½ P. M. *Lowville*. Streamers.

NOVEMBER 20. *Lowville*. Arc.

1841.

FEBRUARY 7. *North Salem*. Whitish masses without streams.

Rochester. Slight. *Montgomery*. Very bright.

8. *North Salem*. In whitish masses without streams.

21. *Onondaga*. Beautiful at 10 P. M.

22. *Cazenovia*. Beautiful.

Springville. An arc, rising from the N. E. Moving rapidly towards the zenith, gradually diffused and fading.

Onondaga. At 7, arched, at first single, afterwards double, soon became broken; large, luminous spots appeared, resembling light thin clouds.

23. *St. Lawrence*. Very brilliant. At *Rochester*, slight.

MARCH 15. *Lowville*. With streamers.

23. *Clinton*. Brilliant at 10 P. M. At *Fredonia*, bright streams.

Lowville. Arc at 9 P. M. At *North Salem*, near the horizon.

Onondaga. Beautifully arched; the western half appearing all in a blaze; then broken; luminous in spots; columnar. Needle not sensibly affected.

APRIL 18. *North Salem*. Without streams.

29. *Lowville*. Streamers at half-past 9 P. M.

25. *Lowville*. At half-past 11 P. M.

MAY 8. *Cayuga*. Low in the north.

Lowville. Streamers at 9 P. M.

JUNE 11. *North Salem*. Auroral light on the edges of dark clouds in the north.

15. *Lowville*. At 10 P. M. At *St. Lawrence* very brilliant.

JULY 19. *Gaines*. Very bright.

Rochester. A bright cloud of white light on the north, and a broad arc of light nearly across the horizon, and two-thirds of the distance from the horizon to the zenith.

29. *St. Lawrence*. Very brilliant.

AUGUST 4. *Millville*. Very brilliant.

5. *Merico*. In an arc passing entirely across the horizon.

6. *Cambridge*. A splendid arc from east to west, a little north of the zenith, quite over the heavens; from 8 to 8½ P. M., with frequent flashes. It was also seen in the north.

Oxford. Commenced at half-past 8 P. M.

Union Literary Society. A streak from east to west, about two degrees in width.

Albany. Splendid between 8 and 9 P. M.

Onondaga. Arched; columnar. The needle varied during its continuance.

North Salem. Very brilliant; a luminous arc, from 8° to 10° broad, and about 45° high, extended from E. to N. W. over the constellations *Lizard*, *Cephus*, *Ursa Major* and *Ursa Minor*. At intervals, a wavy motion passed from the east, although the wind was southwest. Stars somewhat dimmed. Two meteors.

Rochester. A fice cloud of Aurora, 30° high under the N., and then a slighter cloud perhaps 10° higher, and another a little higher, with streams of auroral light towards the zenith, nearly at 20 minutes before 9 P. M. At 8½ an irregular cloud of light, like a dense mass of white cotton fibres, drawn out and matted, rose from nearly east towards the zenith; bent a little, curved at 30° elevation; splendid and dense white; passed the zenith and appeared as a zone extending down to the western horizon. A smaller and fainter belt a few degrees north of this. These disappeared at 8.40. Several

streams in the north. The belt was wholly different from any noticed before; it seemed like solid matter.

Salem. The sky clear and calm for 24 hours before and after.

SEPTEMBER 25. *Cayuga*. Very brilliant.

Albany. Splendid in N. W. at 10 P. M.

North Salem. Extensive, but not brilliant on account of the moon.

Onondaga. Very brilliant, blazing forth with astonishing rapidity and beauty. A magnetic disturbance, very extraordinary, observed at Greenwich and Toronto, C. W.

OCTOBER 5. *Hamilton*. Brilliant.

9. *North Salem*. Faint auroral light; low from 7 to 10 P. M. Lightning in the S. E. and S. At *Albany*, with beams.

NOVEMBER 1. *Millville*. Singular and very beautiful in the south-east.

18. *Fredonia*. Very splendid; the horizon in the north was skirted by a long, dark cloud that extended towards the zenith; about 30° from behind which, streams of extraordinary brightness flashed up in quick succession, passing along the whole length of the clouds. These streams were sometimes of very beautiful colors; red, green, purple and white mingled together, and making a very agreeable contrast.

Ithaca. Brilliant. *Kinderhook*. Brilliant at half-past 10 P. M.

Oxford. Brilliant. *Albany*. Splendid, at 11 P. M.

North Salem. A segment of light extending from N. N. E. to N. W. and about 15° high, with streams shooting perpendicularly to the height of 50°.

1842.

APRIL 11. *Albany*. With streamers.

14. *Gouverneur*. Very brilliant. Commenced about 11 P. M., and faded at the approach of day. In the north were brilliant streamers; in the northwest a succession of flashes, very bright and without intermission during the whole time. Between these two points was a portion of unilluminated sky.

North Salem. Beautiful; in the form of a luminous arc.

Onondaga. Towards morning the phenomenon, as it appeared at Albany, was described as terrific and sublime, like an immense conflagration.

15. *Lowville*. With streamers, very brilliant.

Rochester. Very brilliant.

JUNE 4. *Rochester*. A fine arc arose some north of east, a little after 8 P. M., and moved southward, and extended upward, till a little after nine; it then passed the zenith and extended over nearly to the western horizon. It was much like a roll of white cotton fibres well compacted, and was a little bent towards the zenith, and somewhat jagged and irregular; it grew fainter, moved slowly southwards, passed the zenith several degrees, extended down to the horizon, began to move in slow portions and in irregular files to the west, became less distinct; and in forty minutes after 9 it was gone. It was a brilliant white arc at first. At the same time a light was spread over the north, as a bright cloud, and a few pillars shot up a few degrees, and disappeared as the other, but not wholly nor so soon. After 11 the Aurora arose and increased, and was firm. Some streams appeared towards the north, and a flashing of reddish light.

Auburn. Brilliant from 9 to half-past 10.

JULY 2. *Franklin, M.* Bright at 10 P. M.

3. *Franklin, M.* Very light and variable in its appearance; sometimes extending far past the zenith towards the south.

Fredonia. At 9 P. M., streams of light, changing alternately from white to crimson, appeared to rise from the clouds in the north, east and west, centering in the zenith. About three hours after, a violent shower occurred.

AUGUST 5. *Franklin, M.* Very brilliant.

1843.

MARCH 7. *Middlebury*. Brilliant.

APRIL 6. *Albany*. With streams.

15. *Auburn*. Very brilliant.

JUNE 3. *Franklin, M.* Splendid.

22. *Hamilton*. Brilliant.

AUGUST 3. *Albany*. Brilliant auroral arc.

OCTOBER 5. *Hamilton*. Splendid.

1844.

JANUARY 24. *North Salem*. The only time observed during the year; preceded by snow within 24 hours, and followed by three fair days. The barometer fell before, and rose after it. Of 26 Auroras noticed at this station during the last ten years:

10 were preceded and 8 followed by rain or snow within 24 hours.
13 " 14 " " " 48 "
14 " 16 " " " 72 "

FEBRUARY 4. *Auburn*. Exceedingly brilliant and beautiful.

APRIL 5. *Albany*. Bright.

OCTOBER 20. *Rochester*. Very brilliant.

NOVEMBER 1. *St. Lawrence*. Brilliant.

DECEMBER 15. *Hamilton*. Very splendid.

20. *New-York*. At 9 P. M.; noticed the only time during the year. The eastern portion was a bright cloud-like appearance parallel to the horizon; the western portion of the "merry dancers."

1845.

JANUARY 8. *Lansingburgh*. Very brilliant.

9. *Kingston*. Brilliant from 6 to 9 P. M.

Onondaga. Brilliant about 8 P. M., in the form of an arc, extending from N. E. to N. W.

FEBRUARY 25. *Albany*. Brilliant, with streamers.

APRIL 13. *Albany*. Brilliant red Aurora, with streams.

NOVEMBER 3. *Rochester*. Splendid at 7 P. M.; from west of north to east.

DECEMBER 3. *Oxford*. A most splendid Aurora, between 7 and 10. In the north, the heavens were brilliantly illuminated. At one time a luminous arc of white light across the heavens, from N. W. to N. E. A great number of streams rising to the zenith and disappearing. For several days after, the wind continued easterly; it snowed daily.

1846.

MARCH 25. *Mount Pleasant*. Brilliant in the N. W.

MAY 30. *Millville*. Brilliant.

AUGUST 6. *Hamilton*. Very brilliant.

SEPTEMBER 1. *New-York*. A broad zone of bright light, with a few streamers.

9. *Oxford*. At 7½ o'clock P. M., about 40° above the horizon; stretching through about 45° in a regular curve.

21. *Perinton*, Monroe Co. Very singular; columnar; one column in the north, like a comet with a blazing tail, pointing upwards.

23. *Albany*. Brilliant.

OCTOBER 2. *Millville*. Brilliant.

8. *New-York*. A zone of white light, not very extensive, at 9 P. M.

15. *Oxford*. In spiral forms; shooting upwards towards the zenith.

19. *Albany*. Bright, at 8 P. M.

New-York. Bright; covering the northern horizon.

NOVEMBER 17. *New-York*. At 10 P. M., a bright band across the northern horizon.

DECEMBER 9. *Dutchess*. Cleared off at sunset; a very fine Aurora; followed in 14 hours by a severe snow storm.

Kinderhook. Banks of light in the north, near the horizon.

Albany. An arc.

New-York. Bright; not much elevated at 10 P. M.

1847.

JANUARY 17. *Lansingburgh*. Brilliant; reaching from west to northeast, and rising to the zenith.

FEBRUARY 21. *Gouverneur*. Splendid.

MARCH 10. *Albany*. Very brilliant; with arc and streams.

Auburn. Very brilliant.

Dutchess. Very remarkable; the clouds in the northern light darted up from behind, and came raying out from the edges. The flashes reached from the zenith and were rapid as lightning, reaching from nearly northeast to northwest. Lasted from 8½ till midnight; nearly light enough to read print.

Fairfield. Brilliant. *Fredonia*. Seen 9m.

Mount Pleasant. Very brilliant.

New-York. At 8 P. M., and until 10, there was a bright zone of light across the northern horizon, with a few flashes upward; near the centre of the zone, the light was quite bright, so strong as to cast shadows.

North Salem. At 9 P. M., a segment of dark sky, resembling a black cloud, and about 10° high in the centre, extended from N. E. to N. W., from which streamers ascended to the height of 20°, with dark spaces intervening; all of which had a slow motion to the eastward. At 9 the segment was light and somewhat higher; the streamers rising occasionally, by a sudden shooting to the height of 60° or more.

Plattsburgh. Splendid.

Woodstock, Vt. The 19th of March was clear and fine; the planet Mercury was very distinct a little after sunset, as it was for three or four evenings. In the bright evening, a broad arc of Aurora extended over the north from which streams and flashes of light rose towards the zenith, and auroral clouds extended 60° south of the zenith, to which the flashes extended. From the east, round to west, was a halo of light; and pillars moving sometimes eastward and then westward, and sometimes rapidly passing each other streaming over the planet Jupiter and south of it, and moving over Orion and Sirius, lasted till about one o'clock next day. Light, white and yellowish, and crimson, with auroral clouds of very dark color.

Rochester. Splendid.

Springville. Very brilliant.

28. *New-York*. At 8 P. M., there were bright flashes of light springing up through the clouds, which were very thin; the moon shining bright at the time.

APRIL 6. *Dutchess*. Aurora Borealis about 9 P. M.; very remarkable; like the arc of the 19th of March; north, a base of light, like solid wall; on this, at regular intervals, columns of light, formed like crystals of ice freezing, or salt forming after solution; about 10 o'clock there shot forth from the west, a stream, like the tail of an enormous comet, the head at the horizon; this was a long space from the upright columns in the north, a large field of blue sky with stars intervening.

7. *Albany*. Brilliant. *Cortland*. Very brilliant.

Erasmus Hall. Splendid Aurora Borealis, observed between 9 and 10 P. M.; the whole northern sky was almost as brilliant as the western at sundown; and brilliant rays shot up almost to the zenith; from the west, apparently following the wake of the sun, an arc spanned the heavens, from N. W. to S. E., reaching almost to the eastern verge of the hemisphere.

Fairfield. Bright and white, with sudden flashes.

Fredonia. Aurora Borealis; 8 P. M., streamers from the N. E., seemed to scatter and fade as they ascended; then followed an arc, apparently about 300 feet high, stretching from east to west, which soon disappeared, and was succeeded by a bright and variegated belt, running northeast in a horizontal line, and terminating in a black cloud at its eastern extremity.

Hamilton. On the evening of the 6th, there was lightning and thunder; the A. M. of the 7th was rainy; the wind, west by north. About sunset it became clear, and before 9 o'clock the sky was brilliantly lighted by the Aurora Borealis; between 9 and 10, fleecy detachments formed themselves into a bright belt, encompassing the entire heavens; the belt seemed to form in the zodiac, a little south of it, and its width varied from 3° to 7°; it passed off in about half an hour, but the northern field was still intensely lighted. Rain within the next 24 hours.

Kinderhook. Uncommonly beautiful; an arc was seen spanning the heavens from east to west, as perfect as that witnessed in the summer of 1827.

Montgomery. Brilliant; at about 9¼ P. M., a bright luminous cloud, that filled the heavens, rising in the east and extended to the western horizon; this continued for the space of an hour. Breadth about three degrees.

New-York. At 8 P. M., a bright zone of white light was in the north, with many flashes upward; after a short time, a narrow band, about two degrees above the other, spanned the horizon for a few minutes, when both disappeared, nearly; the lower one soon reappeared, and continued sending forth brilliant flashes of light, which moved westwardly. About 10, a splendid arc spanned the heavens about 10° above the other, its ends resting on the horizon, in points, and the middle expanded; the merry dancers passing from one to the other, frequently appearing like fringe, and sometimes like jewels attached to the lower edge of the upper arc; at 12 the upper had disappeared, but the lower was much lighter than before, with its fringe-like points; at 2.45 A. M., it presented a beautiful appearance, a single narrow band of white light, about 10° above the horizon, with rays from each end; at 3.30 A. M. it had lowered, and had only one end fringed; the moon shone bright, during the latter part.

North Salem. Very beautiful; sometimes forming a complete arc through the zenith; light, of a red tinge. Continued till after midnight.

Oxford. Splendid display; at first rays of light shot upwards, and afterwards waves of light made their appearance, and moved towards the zenith, and there seemed to unite; forming a belt extending from the west to the east.

Cazenovia. About 9 P. M., an arc of light, extending east and west across the heavens, south of Leo, and a little above the Cross, coinciding nearly with the equinoctial. The barometer rose during the evening, but fell before 8 next morning.

MAY 15. *North Salem*. With a few streamers.
 JUNE 12. *Albany*. Bright Aurora.
 JULY 9. *Albany*. Bright Aurora.
 AUGUST 4. *Albany*. Brilliant; two arcs, and one through the zenith.
New-York. A bright Aurora from 8 P. M.; continued into the night, with a steady light.
Rochester. Beautiful.
 SEPTEMBER 16. *Albany*. Bright.
Mexico. Extending in altitude about 45°; ten of which, next the horizon, presented a white appearance; the remainder, very red at 9½ P. M.
New-York. At 9 P. M., a faint light was visible, which increased until 11 P. M.
 20. *New-York*. At 8 P. M., slight arc for a short time.
Albany. Brilliant. *Plattsburgh*. Very brilliant.
 OCTOBER 13. *North Salem*. Slight auroral light; visible on the edge of dark clouds.
 24. *Rochester*. Brilliant, at three this morning.
 NOVEMBER 1. *Albany*. Brilliant.
New-York. At 9 P. M., a bright steady light continued.
North Salem. Partly concealed by clouds; occasional streamers of a white color shot up 50° or 60° from a point a little west of north; and from 8 to 8½, a reddish space was visible in the northwest, about 40° high.
 3. *Lansingburgh*. Brilliant.
 14. *New-York*. At 9 P. M., a small but bright steady light.
 25. *Albany*. Very brilliant; red northern lights.
North Salem. White at first; afterwards reddish, and again white. A few streamers rose to the height of 40° or 45°, having a slow motion westward.
Rochester. Very fine; soon after sunset the whole northern sky glared with a bright crimson light, as reflecting the light of a great and wide-spread conflagration; soon slight streaks of other light began to appear; then yellowish light, and soon pillars of white light, shot up in various places. An arc extended under the pole star, about 15° high, of which the lower part was very luminous; white, with darker above, and white light shooting from above the dark part of the arc; for a little time there were two arcs, with pillars of light shooting from the crown of each. At 9 o'clock the Aurora had chiefly disappeared, but returned again after midnight, and was described by the watchmen as very splendid towards morning.
 26. *New-York*. 8 P. M., a small faint light.
Rochester. Slight Aurora.
 27. *Rochester*. Slight Aurora; followed by snow squalls next day and the day after.
 DECEMBER 7. *Hamilton*. Brilliant.

1848.

JANUARY 3. *North Salem*. A mass of dark clouds lay a little east of north, from which a singular belt of cloud, 8° or 10° broad, extended to a point just west of south, passing about 20° east of the zenith, when first observed, at 7½ P. M. This belt exhibited a slight radiance on its east side, and the dark cloud in the north, was illuminated on both sides. At 8, the belt had passed off to the east. A faint light remained in the north till after 9.
 6. *Cortland*. Brilliant.
 16. *Lowville*. Splendid.
Mexico. Very brilliant; extending to the zenith at 8 P. M.
North Salem. Streamers; at first from an arc about 10° wide at the centre; afterwards from the horizon, reaching at 45° in height; at first white and then red. Commenced at 7½ and continued about an hour.
 19. *Plattsburgh*. Faint Aurora.
 FEBRUARY 7. *New-York*. 9½ P. M., the clouds passed off after a snow squall, and a bright Aurora appeared just above the horizon, about 3° in height; above that it was quite dark; no stars could be seen through it.
 8. *Hamilton*. Very brilliant.
Plattsburgh. Unusually clear light, with slight Aurora.
New-York. At 8 P. M. a slight blush for an hour or more.
North Salem. About 10 P. M.; whitish light diffused along the edge of a low arc; the highest point of which a little west of north.
Rochester. Splendid.
 15. *New-York*. From 7 to 10 P. M., a steady, though bright light; moon shining.
 18. *Mount Pleasant*. Brilliant.
 21. *Cortland*. Very brilliant in north and northeast.
Hamilton. Very beautiful. *Lowville*. Very grand.
Mount Pleasant. Brilliant.

Plattsburgh. Very brilliant; blood red; converging at the zenith from all quarters. Slight fall of snow in the night.
St. Lawrence. White and bright crimson.
New-York. At 8 P. M., a steady light till after 9, when it became reddish; and about 9½, streaks of white light streamed through the red and then vanished; the portion next the horizon was white all the time; above this, a small dark zone; and above that, stretching across the northern horizon, a beautiful rose and somewhat crimson blush prevailed.
North Salem. White from the horizon, except in the northwest, where there were streams of a red or purplish hue.
 23. *North Salem*. White streamers from the horizon, between 8 and 9 P. M.
 24. *New-York*. At 9 P. M., a slight white light.
 MARCH 17. *Hamilton*. At 5 A. M.
New-York. At 9 P. M., a steady light rising from the horizon; about 10, a bright arc spanned the heavens; the lower portion of the horizon dark, but the stars could be seen through both; about 11, two very bright red portions appeared at the west end of the arc, which continued fifteen or twenty minutes, when a second arc formed below the upper and between them; very bright spots occasionally appeared (like eardrops), but few of the merry dancers; continued until 11.40.
 23. *Lansingburgh*. Brilliant.
 24. *Fredonia*. 8 P. M.
Newburgh. From half-past seven till late at night.
Plattsburgh. Brilliant. *New-York*. At 10 P. M.
 25. *Hamilton*. Beautiful.
 30. *Plattsburgh*. Slight.
 APRIL 1. *New-York*. At 10 P. M., a steady bright light, extending from about 4° above the horizon.
Rochester. A fine Aurora Borealis, consisting of luminous, white pillars, towards the zenith, from an arc of 15° in altitude, at 9 P. M., waxing and waning light; then white pencils in the northeast hanging like a cloud in the sky; gradually passing westward and vanishing west of north; then succeeded a very heavy double white arc of great beauty. In the east of northeast, was a variable luminous mass of Aurora, as if it was the source of all the mass moving westward. This Aurora presented much the same appearance at Woodstock, Vt., the auroral forms extending even south of the zenith.
 2. *North Salem*. Very few streamers.
 5. *Plattsburgh*. Brilliant; blood red; converging to the zenith.
New-York. At 10 P. M., a steady though faint light.
 6. *Lewiston*. Extended on the horizon 180°, and above it 90°. There was a very brilliant exhibition of deep red light, on the eastern and western lines of the Aurora, which, after some time, diminished in the east and increased in the west, where it continued for the space of two hours; until the Aurora expanded, from columns of light and intermediate dark spaces, into one general uniform light.
Newburgh. First noticed at 2 P. M.; it continued until 3 or 4 next morning; base of dark haze; streams of light flowing out at an angle of 45°; a broken pyramid of light reaching nearly to the zenith. Northwest and northeast, the Aurora extends about 160°; northwest, an outer pyramid stood up, of rose colored or peach blossom light. A most remarkable Aurora. *Oxford*. Bright.
New-York. At 8.30 to 12, a white light, with streamers shooting up and moving westward (the light so bright as to cast shadows); the light stretched across the northern horizon, but not extending to the zenith.
North Salem. Very beautiful, varying from white to purple.
Rochester. Splendid.
 15. *Rochester*. Aurora and auroral clouds, in the evening.
 MAY 18. *North Salem*. An arc about 20° high, faint on account of the moonlight.
 JUNE 1. *New-York*. At 9 P. M., a steady bright light; the western part of the heavens covered with clouds, while it was clear in the northeast.
 JULY 3. *New-York*. At 9 to 10 P. M., a very fine exhibition of streamers.
 11. *Oxford*. In the evening brilliant; covering, at times, half the heavens.
Hamilton. Beautiful; lightning without thunder.
North Salem. White streams, reaching nearly or quite to the zenith.
 12. *Mexico*. Brilliant.
 23. *Cortland*. At 7½ P. M., in brilliant streams of light in the east; a little before 10 o'clock, it extended to the northwest, beyond the zenith. Much rain the fore part of the evening, and the wind shifted from southwest to northwest, at 8 o'clock.

AUGUST 14. *Cortland*. Brilliant about 20 minutes past 9, for a short time.

21. *Fairfield*. Brilliant.

New-York. Very bright; 9 to 11 P. M.

OCTOBER 8. *New-York*. A slight though steady light at 9 P. M.

10. *New-York*. A bright glow, with occasional streamers, at 9 P. M.

23. *Oxford*. Very brilliant. Rain next day.

Plattsburgh. Brilliant.

New-York. At 8 to 9½ P. M., there were some fine streams shooting up to the zenith; a portion of them rose-colored.

North Salem. With streamers.

25. *New-York*. A steady white light for some time; commencing at 8 P. M., then movable, but no streamers.

NOVEMBER 17. *Ithaca*. Magnificent; highest about 10 P. M.

Lansingburgh. Splendid.

North Salem. White light, without streamers.

Rochester. "Most splendid; from 7 to 9 P. M., of a deep red color, blood-like and terrific to behold; it seemed as if the heavens were in a state of rapid and glowing combustion. There was no streaming of the light, or radiation, and not the common coruscations; but the canopy from the northern horizon to south of the zenith was one glow of red light. No source of the light was apparent, but the sky seemed in a terrific blaze of blood.

"This was a very extensive Aurora, and was seen in Montreal and much of Canada; over New England; in England, Spain, France, Italy, and probably most of Europe. The paper of the 18th of November, at Madrid, described its appearance the night before, in the same terrific language as in our own papers; so also at Rome, in Italy, and at other places. In many places, a sound attended this Aurora, a whizzing noise. Such a sound has often been published, and as often been disbelieved by philosophers. Yet no one can doubt from the abundant testimony in this case, that an uncommon and peculiar sound was noticed by many observers, in different and distant places."

The pillars and streams were distinct, and larger in the latter part of the evening, and rose to the zenith; they were of a different color from the glowing red, and seemed to be *much higher*, or to be behind and *above the red*.

"The Aurora has been placed at very different heights. Is it not true that the *same part* of the Aurora is not seen by different observers? And for this reason: When the same Aurora is seen the same evening at very different latitudes, the more northern observers ought to see the whole sky covered, and the streams to pass beyond the zenith to their southern horizon, if the observers at such distant places see the same part of the Aurora. But is it common in northern latitudes for the Aurora to pass over quite to the southern horizon? With the curvature of the earth, varying as the square of the distance, it will not require but a moderate distance to the southern horizon of any place in a level country. In different places near the same meridian, the Aurora seems to terminate in the zenith, or north of it commonly.

C. DEWEY."

18. *New-York*. At 7½ P. M., a fine appearance till late in the night; the merry dancers were very numerous.

23. *North Salem*. A few white streams.

26. *New-York*. The whole northern hemisphere was lighted up; brightest at the northeast.

27. *New-York*. Slight, at 9 P. M.

DECEMBER 17. *New-York*. A faint white light at 8 P. M.; increased to a pink, with streamers and waves of white light.

North Salem. At 6 P. M., an arc about 20° high, with a few streamers; at first white, and then for a short time red.

23. *New-York*. At 11.45 P. M., bright steady light, which became cloudy about 1 A. M.

26. *North Salem*. A few white streamers ascending from the horizon, about 7 P. M.

27. *Plattsburgh*. Brilliant, of a reddish tinge.

1849.

JANUARY 22. *New-York*. At 10 P. M., not very bright; a steady white light covering the northern portion of the heavens.

30. *New-York*. A steady white light at 9 P. M.

FEBRUARY 19. *New-York*. At 9 P. M., a long band of white light across the northern heavens.

21. *New-York*. At 10 P. M., a slight but steady light.

MARCH 18. *North Salem*. A luminous arc, about 10° or 13° high in the centre, which was somewhat east of north; streamers shot up, sometimes from the edge of the arc, and sometimes from the horizon near it; at first generally white; occasionally a tinge of red. The whole had a slow motion to the west.

New-York. At 9.30 P. M., a band of white light about 10° above the horizon; at the middle, stretching from a little east of north to south of west, at which points it fell below the horizon; surmounted by a very dark zone; stars shone through both. A very slight haze prevailed.

JULY 24. *Farmers' Hall*. Brilliant.

SEPTEMBER 7. *New-York*. At 8 P. M., a steady white light over the whole northern portion of the horizon.

16. *New-York*. At 9 P. M., a bright steady light with a dark zone below.

18. *New-York*. At 8 P. M., a long column of white light, W. of N. about half an hour.

19. *New-York*. At 9 P. M., a steady white light above a dark zone.

20. *New-York*. At 8 P. M. a faint, steady white light.

OCTOBER 4. *New-York*. At 9 P. M., a faint light, but steady.

20. *New-York*. At 9 to 11 P. M., a bright steady light, stretching across the whole northern horizon about 15° in height; the upper edge very distinctly defined; somewhat curved. Stars very distinctly seen through it.

DECEMBER 17. *New-York*. At 10 P. M. a faint light, N. W.

EXPLANATION OF THE PLATES.

PLATE I.

FIGS. 1 and 2.—Rain gages used in the observations included in this volume; for descriptions of which, see Introduction, page v.

FIG. 3.—Halo observed at Lowville, March 19, 1829, at 5 P. M. A colored circle of the ordinary size, with arcs of a larger circle, of double the diameter of the former, and also brightly colored, with the red on the side nearer the sun. Above the sun, a convex arc, colored, and of the same distance from the sun as the external lateral arcs. A luminous and broad parabolic curve on the top of the inner circle. A parhelion in the inner circle, on each side of the sun, and of the same altitude.

FIG. 4.—A double solar halo, observed at Onondaga and Hamilton, May 1, 1838. A similar one was seen at New-York, Jan. 23, 1845, in which the small one was of an orange color, and the outer one white, and very bright. Also at Schenectady; noticed by the editor of this volume, May 25, 1843, at 5 P. M. The inner circle in this instance was faint, but distinct, and the outer one, irised and brightest on the sides. There were also in this case, a parhelion below the sun, in the smaller circle, and one on each side of the sun in the larger one, as shown in the figure.

FIG. 5.—Halo observed at Cazenovia, on the morning of January 11, 1831. It consisted of two parhelia east of the sun, the external one elongated vertically, and colored. A convex arc above the sun, with the zenith for its centre.

FIG. 6.—Solar halo, observed at Turin, Lewis county, April 17, 1843. The circle was colored, and the part coinciding with the inverted arc was very bright.

FIG. 7.—A halo seen at Schenectady, May 2, 1843, at 4 P. M., colored. A faint trace of a parhelion observed on the opposite side of the sun.

FIG. 8.—An inverted arc above the sun, colored and very bright; seen at Martinsburgh, Lewis county, September 6, 1843, at 7 A. M. It continued several hours, and assumed several varieties of form. A bright arc was soon after seen below the sun, and at a greater distance from it than the one above. It was broad, not well defined, and appeared to have its convex side also towards the sun. At 10 o'clock, these had assumed the appearance shown in FIG. 9, in which both the ellipse and circle were irised, and both were brightest on the eastern side. An arc of *white light*, being a part of a horizontal circle, with the zenith for its centre, crossed the sun and both arcs, forming parhelia, where it crossed the latter. Seen also at York, Me., and Portsmouth, N. H.

FIG. 10.—A solar halo, observed at Somerville, St. Lawrence county, October 3, 1851. The arcs having their convex sides toward the sun, were parallel with the horizon. These were not all visible at one time, but appeared in the course of two or three hours. Soon followed by rain.

FIG. 11.—A solar halo, seen at Martinsburgh, April 11, 1844, from 7 A. M. till afternoon. Every part irised; brightest at 10 A. M.; followed by rain in four days.

FIG. 12.—Seen at Martinsburgh, April 9, 1844, at 1 P. M. The circle around the sun was broad and very bright. That with the zenith for its centre, was a very distinct circle of bright white light, but parhelia were not noticed at the points of intersection. It lasted half an hour, during which, the sky was perfectly azure and serene. At 3½ P. M. the white circle had disappeared, and parhelia of uncommon brilliancy formed on each side of the sun, with long appendages. Followed by haze in an hour, and by rain in two days.

FIG. 13.—Halo observed at Richland, Oswego county, March 6, 1847, in which *a*, *b*, were parhelia, with appendages, *c* a parabolic colored arc, overlapping the colored circle, and producing a brilliant parhelion, *d*, an arc of great size, indistinct, but perceptible by indirect vision, and colored like the others, with the red side towards the sun, but having its most conspicuous color violet. A beam of white light passed vertically through the sun.

- FIG. 14.—Solar halo, seen at Somerville, St. Lawrence county, May 1, 1849, in which *a*, *b*, are parhelia, with appendages, and *c*, *d*, arcs of white light, parallel with the horizon. A halo very much like this also observed Oct. 2, 1851, at the same place.
- FIG. 15.—Solar halo, seen August 13, 1851. The larger circle was white and horizontal, the others brightly colored. *a*, *b*, were colored arcs, with their red convex sides towards the sun. These arcs were faint but distinctly irised.
- FIG. 16.—A lunar halo, with a horizontal and vertical bar of light crossing the moon's disc, and producing paraselenæ, by their intersection with the circle. Observed at Somerville, New-York, May 22, 1851, between midnight and 1 o'clock, very distinct by indirect vision.
- FIG. 17.—A solar halo observed January 6, 1846. Uncommonly brilliant and colored.
- FIG. 18.—Solar halo seen at Somerville, New-York, November 9, 1851, in which *a* is a brilliant colored arc, of a horizontal circle, above the sun, *b*, *c*, parhelia of unusual brightness, and highly colored, having indistinct prolongations of light of unusual length.
- FIG. 19.—Radiations at sunset. The example figured, was observed July 10, 1842, at Rochester, and similar appearances are frequently noticed in western New-York, especially in summer, and often when there are no visible clouds to cause the unequal distribution of the twilight glow. In this instance, there was a diffused red light all over the west, and diverging lines of yellowish light, and blue spaces, made up the radiations in the figure.
- FIG. 20.—Diagram showing the comparative proportion of clear and cloudy sky, in the several months. The spaces between the vertical lines, represent the months, and those between the horizontal lines, the days of each month. The amount of cloudy sky in the whole state, is indicated by the shaded part, and that of clear sky, by the white portion. There are also drawn on the figure, curves representing the relative amount of clear and cloudy sky at several stations that are noted in the margin.
- FIG. 21.—Diagram representing the comparative depth of rain in the several months. The depth is indicated in the margin in inches. The curve for the whole state, is drawn with a heavy line, that of several of the individual stations, in light lines.

PLATE II.

- FIG. 1.—Figure showing the relative prevalence of winds from the several points, and their resultant for the whole state. This is constructed in the following manner: Assuming that the whole number of days in a month, are to be represented by a line of a given length (in this figure, this length is four inches), the proportional number of days of wind from each of the several points are laid down as stated in the second note to page xi, of the introduction, making a broken line of the given length. The arrow, by its direction, denotes the course of the resultant of the winds, and by its length, the relative amount.
- FIG. 2.—A diagram representing the winds at Utica, drawn in the same manner as the preceding.
- FIG. 3.—A similar diagram, showing the comparative amount of winds at Kinderhook, and like fig. 2, illustrating the influence of valleys, in giving direction to the surface current.
- FIG. 4.—This diagram represents, in a different manner, the relative prevalence of winds, and is formed by setting off from a central point, distances proportionate to the prevalence of winds from the several points.
- FIGS. 5, 6, 7, 8, 9, represent the comparative extent of winds at Albany, Utica, Kinderhook, Potsdam and East Hampton; stations selected with reference to showing the influence of local causes, in giving direction to the winds near the earth's surface.
- FIG. 10, represents by the arrows, the comparative value and direction of resultant of the winds of the whole state, as well as of many individual stations. These lines are drawn on a scale of nine inches, or three-tenths of an inch to a day.

PLATE III.

Diagram exhibiting the comparative range of temperature in the several months and years, as shown by the mean results of all the stations. Each of the spaces between the vertical lines represents half a month, and between the horizontal lines two degrees. The degree of temperature is engraved for every third month, and the fine line drawn upon the curve of each year shows the mean annual curve of the whole state for the entire period.

PLATE IV.

Similar to the last, but more condensed, showing the mean range of temperature of stations observed ten years or more. The mean curve of all the stations is shown at the top and bottom of the plate.

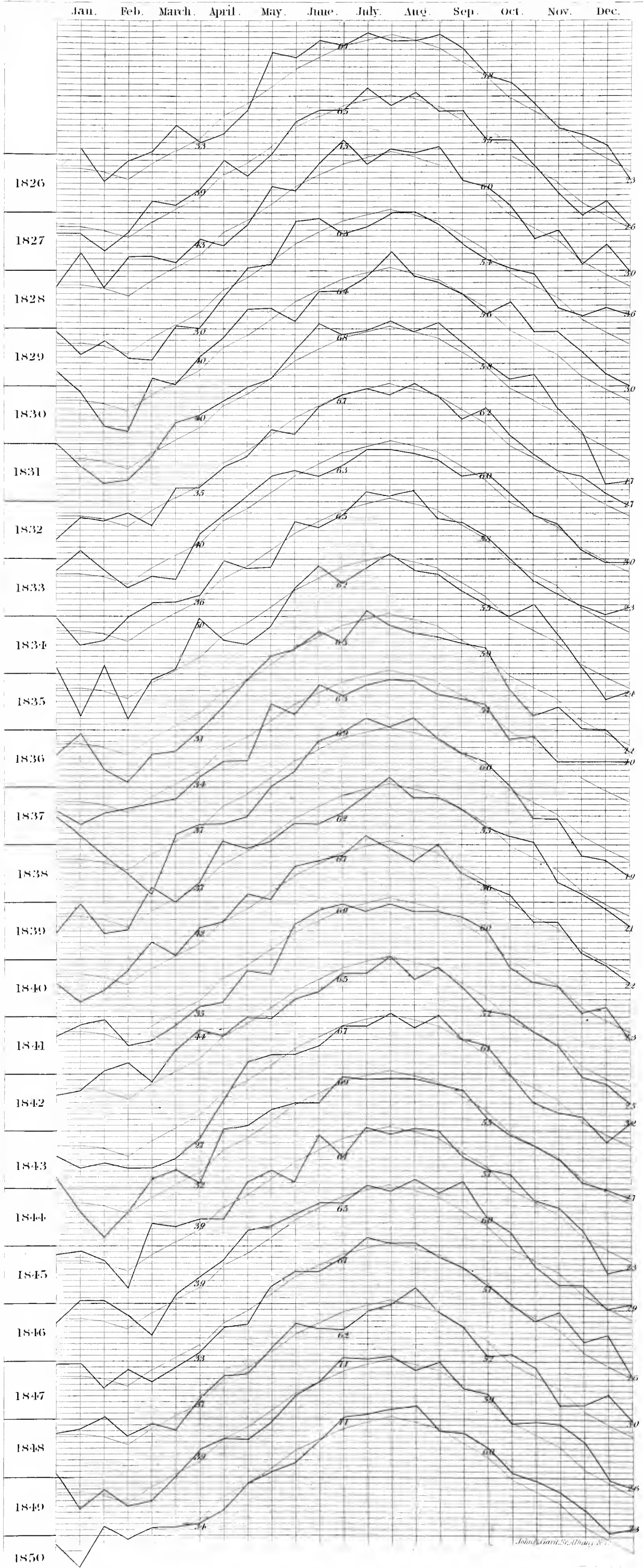


Table showing the comparative range of the thermometer in different years.

Comparative range of Temperature at Different Stations.

