ANNALS OF HARVARD COLLEGE OBSERVATORY. VOL. XLI. NO. I.

OBSERVATIONS

OF THE

NEW ENGLAND WEATHER SERVICE

IN THE YEAR 1892.

For the first two months of the year the voluntary weather service work for New England was carried on under the direction of the New England Meteorological Society at Cambridge, Massachusetts; but in March, 1892, it was formally transferred to the care of the National Weather Bureau, and Mr. J. Warren Smith, Observer, was appointed its Director. The office was moved to Boston and located with the Boston office of the Weather Bureau, where the work has been carried on since.

The efforts to establish volunteer stations in the uncovered districts of New England have been very successful; until now the only sections where stations are badly needed are in western Maine and northeastern Vermont. Of course more can be placed to good advantage in other places, but here they would be especially valuable.

The number of voluntary observers reporting to the Society at the first of the year was 162, besides 11 regular Weather Bureau stations. Thirteen of these have discontinued during the year from various causes, and forty-two have been added; making a total of 191 besides 12 reports from regular Weather Bureau stations.

The additions have been made as follows: Maine, 7; New Hampshire, 10; Vermont 8; Massachusetts, 13; Rhode Island, 0; Connecticut, 4; New York, 1. Those discontinued by states are: Maine, 0; New Hampshire, 2; Vermont, 4; Massachusetts, 5; Rhode Island, 0; Connecticut, 1; New York, 1. Every New England state shows an increase except Rhode Island, which has had no change. New Hampshire and Massachusetts lead with an increase of 8 each; and Maine next with an increase of 7. In Maine part of the new stations have been established along the eastern edge, and

one, Ft. Kent, is in the extreme northern part of the state. Great Barrington, in Massachusetts, is in a desirable location.

The greatest number of reports received in season to be used in making up the monthly bulletin was 170 in December and the least was 151 in February; the average number was 159. The voluntary observers deserve great credit for their promptness and care in making observations and in rendering reports.

First Quarter of 1892.

January was slightly above normal in both temperature and precipitation. The general maximum temperature occurred on January 14, and ranged from 64° in southern portions to 58° in the north; the minimum for the month occurred on several dates, the morning of January 27, however, averaged colder than any other during the month. The excess in precipitation was 0.88 of an inch. Ten cyclones and eight anticyclones determined the weather changes of the month. The highest pressure occurred generally on January 17 during the passage of the fifth anticyclone and the lowest, over most of New England, on January 6, when the second cyclone of the month passed directly across New England from south to north. Rain or snow fell in some portion of New England on twenty-seven days.

February was 1°.8 above normal in temperature. Maximum temperatures of from 42° to 54° occurred at various points on several days. The minimum temperatures occurred generally on February 13 or 17 in the south and on February 7 or 17 in northern districts, ranging from 10° above to 26° below zero. Few strongly marked or rapid temperature changes occurred. The precipitation was 1.66 inch below the average, the greatest deficiency being in southeastern portions. The snowfall was from 8 to 49 inches in the north and from 1 to 8 inches in the south. Six cyclones and seven anticyclones governed the weather during the month. Both the highest and lowest pressures were reported from Eastport, Maine, the former being 30.85 on February 27, and the latter 28.63 on February 12, giving the very remarkable monthly range of 2.22 inches. Rain or snow fell in some portion of New England on twenty-three days.

March was below the average in both temperature and precipitation. The greatest temperature departure was on the southern coast, where the deficiency was four degrees, while in northern sections the mean was slightly above normal. The general deficiency in temperature extended from New England southward and westward over the entire southern portion of the United States; the greatest departure

was —6° on the Atlantic Coast and in the lower Mississippi Valley. The precipitation was above normal on the extreme southern coasts of Rhode Island and Massachusetts, but in all other sections there was a general deficiency. The amount of snowfall was above normal near the coast; but a small amount fell in northwestern portions. Seven cyclones and six anticyclones controlled the weather for the month. The cyclones had a general southerly trend, thus giving us a prevalence of north winds and low temperatures. Rain or snow fell in some section of New England on twenty days. The temperature for the first quarter of the year 1892 averaged 0.8° above the normal, while the precipitation was 0.50 of an inch below the average.

Second Quarter of 1892.

April was above normal in temperature and below in precipitation. The cyclonic control of temperature was well marked on several days, particularly the rise through the night of April 3 and 4, when a very high maximum was registered throughout New England. The maximum ranged from 53° to 81°, and was generally recorded on April 3; the minimum, from 4° to 32°, occurred on several dates. The departure in precipitation was —2.10 inches. No snow remained on the ground at the end of the month and none on April 15 with the exception of drifts in northern portions. Eight cyclones and eight anticyclones influenced the weather during the month. The highest barometer observed was 30.61 at Mansfield, on April 1, and the lowest 29.32 at Eastport, on April 10. Rain fell in some portion of New England on twenty days.

May was below normal in temperature. Maximum temperatures of from 60° to 89° occurred generally on May 31. The minimum temperatures were almost universally reported on May 1, and ranged from 17° to 43°. The precipitation was everywhere above normal, except in Maine, where the deficiency was well marked. The most remarkable meteorological feature of the month was the snow storm of May 20 and 21, in northern and western New England. This storm began in western districts on the afternoon of May 20, 4 inches falling at Adams, Mass., and 10 inches at Stratford, Vermont, on that date; it continued through the greater part of the next day. It was accompanied by high winds, and although the snow was generally too damp to drift, it was in some places considered the most severe storm of the season. The fall was greatest over an area extending from northwestern Massachusetts in a northeasterly direction to northwestern Maine, covering the most mountainous portions of New

England. In eastern Vermont, although considerable snow melted as it fell, a depth of 28 inches was accurately measured. Concord and Peterboro, N. H., mark the southern limit of the snow, and Burlington and Enosburg Falls, Vt., the northern. Our records fail to show any snow-fall of appreciable amount on so late a date. Much suffering was caused among stock and many sheep perished. Six cyclonic and six anticyclonic areas influenced the weather during the month. The highest barometer reported was 30.46, at Nantucket on May 1; the lowest reading was also observed at Nantucket on May 23, with a pressure of 29.43. Rain to the amount of 0.01 of an inch fell in some portion of New England on all but three days.

June was above the average in both temperature and precipitation. The temperature ranges were strong and rapid. A sudden fall was noted at Boston, on the afternoon of June 17, as a thunderstorm approached from the west. The temperature fell 25° from 3 to 4 o'clock, changed little from that time until 6 o'clock, when a rapid fall of several more degrees occurred. The precipitation was above normal in northern districts, in the southern Merrimack Valley, in part of the southern Connecticut Valley and in eastern Massachusetts; in eastern Maine a deficiency was noted. The thunderstorms were unusually severe and frequent; much damage was done by wind and hail in various localities. Twelve cyclones and six anticyclones, most of them poorly defined, governed New England weather during June. The barometric range was small and no sudden changes took place. Rain fell to an appreciable amount on twenty-nine days, in some portion of New England.

The temperature for the second quarter of the year 1892 averaged 0°.5 above normal; the precipitation was normal.

Third Quarter of 1892.

July was very nearly normal in temperature. On the southern coast and in portions of Vermont and New Hampshire a slight deficiency was noted but elsewhere the temperature was in excess. The maximum occurred on July 25, 26 and 27 in most sections, and ranged from 75° to 102°; the minimum was reported on several dates, principally July 17; the lowest at Nantucket was 58° while at West Milan, N. H., 34° was reported on the morning of July 5. Precipitation was generally below normal, in all sections where stations are established having records for more than ten years, but in Connecticut, central Massachusetts and northwestern Vermont an excess was reported. Seven cyclones and five anticyclones influenced the weather conditions during the month. The highest barometer observed was 30.55 at Northfield, Vermont, on July 7;

the lowest, 29.48 at Eastport, Maine, on July 4. Rain fell in some portion of New England on twenty-five days. Thunderstorms were frequent but moderate in severity. The general lack of heavy or moderate rainfall from July 4 to 29 caused a sharp and severe drought in all central and southern portions of New England, although it was most severely felt in southeastern Massachusetts.

August was very nearly normal in temperature, the greatest departure being a deficiency in central and northwestern sections. The highest temperatures occurred on August 10, and the lowest on August 23, both being somewhat below the usual record at most stations. A slight frost was reported from eastern Maine on the last named date although no damage was done. Rainfall was above normal and the local storms were very severe; several fatalities were reported and much damage done by lightning. The weather for the month was controlled by eight cyclonic and six anticyclonic areas. Rain fell in some part of New England on twenty-one days.

September. The mean temperature was slightly above the normal along the eastern coast except at Portland, Maine, and below in the interior. The days were generally warm with no extreme heat and the nights were cool although no damaging frosts were reported. The maximum ranged from 68° to 88° and occurred on various dates; the minimum from 27° to 50° on September 30. The precipitation was below the average except on the southern coast and in central Maine; the number of cloudy and rainy days was very small. Thunderstorms occurred on September 19, 22, 24, 25, 26, and 27. In Connecticut the storm of September 24 was one of the most severe and destructive of the season; one person was killed and several were injured. The weather was influenced by four cyclones and five anticyclones. Rain fell in some portion on nineteen days.

The temperature for the third quarter of the year 1892 was near the normal, while the precipitation was 0.33 inch below the average.

Fourth Quarter of 1892.

October. The mean temperature averaged slightly below the normal. The maximum temperature was generally recorded on October 14 while in many places the minimum occurred on the preceding morning making the rise from the minimum of one day to the maximum of the next very great; at Fairfield, Maine, this rise was 49°. The deficiency in precipitation averaged 2.37 inches. The month was characterized by an excess of sunshine and by a small amount of precipitation. At

Springfield, Mass., the rainfall was the least ever recorded for October in 45 years. At most stations from one-half to two-thirds of the total for the month came on October 3, 4, and 5. The weather of the month was influenced by the passage of six cyclones and the same number of anticyclones. Rain fell in some portion of New England on twenty-three days.

November was very slightly below the normal in temperature and the ranges were neither large nor rapid. The minimum for the month occurred generally on November 8 and 18, and ranged from 6° in northern New England to 24° in southern portions; the maximum, between 60° and 70°, occurred generally on November 24. The precipitation for the month was about one inch above normal, with the greatest excess in southern sections. Heavy rains were reported on November 9, 10, 15 and 16, 29 and 30. The snowfall averaged from trace to 16 inches; from trace to 11 inches remained on the ground at the end of the month. Ten cyclones and seven anticyclones influenced the weather during the month. Rain fell on twenty-six days in some portion of New England. The meteoric shower on November 23 was very generally observed and remarkably brilliant; in some places meteors were seen at the rate of 20 per minute.

December was decidedly below normal in all sections except central Massachusetts where a slight excess was noted. The maximum temperature occurred generally on December 8 and 9, and ranged from 37° to 58°; the minimum for the month was reported from nearly all sections on December 24; that day will long be remembered as one of the most uncomfortable and disagreeable in many years; at Lancaster, N. H., the mercury ranged between —6° and —11° all day and the wind blew a gale from the northwest. The precipitation was also considerably below the normal and no excessive snowfall was reported during the month. At the end of the month the ground was well covered in northern sections, but in the south the covering was much less. Six cyclonic and five anticyclonic areas influenced the weather during the month. Rain fell in some portion of New England to the amount of 0.01 or more on twenty-one days.

The temperature for the fourth quarter of the year 1892 averaged 0°.9 below normal. The precipitation was 1.08 inches below the average.

The Year 1892.

The following table indicates briefly the general characteristics of the several months of the year 1892, as compared with the normals for the months in other years. From this it will be seen that the temperature was slightly above normal, while the

precipitation was slightly deficient. The mean annual temperature was 0°.2 above normal, and the mean annual precipitation 0.48 inch below. July, August, September, October, and November departed very little from the established temperature normal; January, February, April, and June were considerably in excess, while March, May, and December were deficient.

The precipitation showed a marked deficiency in February, April, July, September, October, and December; an excess was noted in May, August, and November, while the months of January, March, and June were nearly normal.

Month.	Temperature.	Precipitation.
January	Above normal; mild.	Slightly excessive; light snow.
February	Above normal.	Deficient; light snow.
March	Below normal.	Slightly deficient; snowfall normal.
April	Above normal.	Deficient.
May	Below normal.	Excessive.
June	Above normal.	Slightly excessive.
July	Slightly above normal.	Deficient.
August	Normal.	Excessive.
September	Slightly below normal.	Deficient.
October	Normal.	Deficient.
November	Normal.	Excessive; snowfall normal.
December	Below normal; cold.	Deficient; light snowfall.
Year	Slightly above normal.	Slightly deficient.

The following tables give the departure from the normal for every month of the years 1885 to 1892 inclusive. In 1892 the temperature departures were similar to 1889, 1890 and 1891; but in precipitation it is the second year of the period that shows a deficiency.

DEPARTURE OF MONTHLY TEMPERATURES FROM NORMAL.

Month.	Year.							
	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.
	°	°	°	°	°	°	°	°
January	—0.3	+0.1	—1.5	—6.9	+8.2	+5.6	+3.8	+2.0
February	—0.8	—1.8	—0.1	—0.1	—3.5	+5.3	+3 3	+1.8
March	—7.4	—0.4	—2.6	—2.5	+4.5	+0.2	+0.4	—1.3
April	+1.3	+4.2	—2.1	—2.8	+3.5	+0.8	+2.5	+1.3
May	—0.7	+0.2	+3.8	—2.5	+3.0	—0.1	—1.2	—1.4
June	—0.3	—2.2	—0.5	+0.5	+1.0	—1.7	—0.7	+1.7
July	0.0	—1.1	+2.8	—3.3	—1.8	—1.1	—3.1	+0.6
August	—2.5	—1.3	—2.2	—0.7	—1.8	—0.9	+0.6	+0.1
September	—2.7	—0.2	—3.0	—2.6	+1.0	+0.2	+3.6	—0.7
October	—0.4	+0.2	—1.5	—4.7	—3.0	—1.1	—0.7	—0.3
November	+2.5	+1.7	0 0	+1.8	+4.2	0.0	+0.3	—0.3
December	+2.0	—2.7	+1.6	+3.8	+6 3	—6.1	+8.3	—2 2
Year	—1.3	—0.4	—0.5	—1.8	+1.7	+0.1	+1.4	+0.2

DEPARTURE OF MONTHLY PRECIPITATION FROM NORMAL.

Month.	Year.							
	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.
	in.	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*
January	+1.16	+2.02	+1.81	+0.78	+0.96	—1.17	+2.90	+0.88
February	+0.07	+2.37	+1.76	+0.20	—1.51	—0.27	+0.92	—1.64
March	—2.21	—0.52	+0.41	+1.77	—1.48	+2.54	+0.56	—0.75
April	—0.53	—1.03	+0.26	—0.72	—0.22	—0.69	—0.39	—2.13
May	—0.70	—0.05	—2.00	+0.95	+3.35	+2.01	—1.40	+1.79
June	—0.19	—1.39	+0.87	—0.75	+0.32	—0.33	—0.19	+0.42
July	—0.86	—0.69	+1.75	—1.55	+3.92	—0.71	—0.03	—1.03
August	+2.06	—0.89	+0.70	+1.19	—0.59	+0.14	—0.45	+1.22
September	—1.62	+0.03	—1.68	+4.78	+0.77	+1.80	—0.90	—1.17
October	+1.16	—0.73	—1.10	+1.71	+0.49	+3.20	+0.19	—2.38
November	+0.96	+0.82	—0.95	+2.23	+2.00	—2.60	—1.32	+1.19
December	—0.16	+1.05	+0.90	+1.04	—0.47	+0.67	+0.31	—2.15
Year	—1.20	+0.93	+2.69	+11.76	+4.25	+4.59	+0.20	—0.48

The Cyclones of 1892 in New England.

In the following lists the cyclones for each month of the year 1892 are classified as in previous annual summaries of the New England Meteorological Society. The whole number for the year is less than in 1890 or 1891 but more than in 1888 or 1889. The general path of the cyclones was about the same as in former years, though the paths for any particular month show great variation from year to year. In the tables showing the special data for each cyclone, the date is given when they passed over or were nearest to New England, the lowest pressure noted on that date as given on the daily weather maps of the Weather Bureau, and the change of pressure during its passage; the letter "d" indicates a decrease in pressure at the centre or increase in energy, and the letter " i " an increase in pressure or decrease in energy.

Month.	Total Number.	Number passing North of New England.	Number crossing New England from West.	Number crossing New England from South.	Number passing East of New England.	Number passing South of New England.	Number originating over or near New England.	Number dissolving over or near New England.
January	10	3	2	2	1	1	. .	1
February	6	2	3	. .	. .	1	. .	. .
March	7	. .	1	1	3	1	. .	1
April	8	4	. .	1	1	. .	. .	2
May	6	4	1	. .	1	. .	. .	. .
June	12	8	3	. .	. .	. .	1	. .
July	7	6	1	. .	. .	. .	. .	. .
August	8	4	2	. .	1	1	. .	. .
September	4	2	2	. .	. .	. .	. .	. .
October	6	2	4	. .	. .	. .	. .	. .
November	10	5	2	1	2	. .	. .	. .
December	6	2	2	. .	1	1	. .	. .
Total 1892	90	42	23	5	10	5	1	4
Total 1891	100	44	25	4	14	5	0	8
Total 1890	108	59	24	3	9	5	5	3
Total 1889	87	43	12	12	7	8	1	4
Total 1888	88	34	23	8	8	4	6	5

A. CYCLONES PASSING NORTH OF NEW ENGLAND.

January	9	30.0 *i*	June	6	29.7	August	5–6	29.4 *i*
"	21	29.8 *d*	"	8	29.7	"	19	29.9
"	22–23	29.7 *d*	"	13–14	29.6 *i*	"	31	29.7
February	9	29.7 *i*	"	16	29.7 *d*	September	14–15	29.4 *i*
"	25	30.0	"	26	29.9 *i*	"	18	29.9
April	3	29.6	"	28–29	29.4 *i*	October	16	29.8
"	6	29.4 *i*	"	30	29.7	"	19	29.6
"	23	29.6	July	13	29.7	November	4–5	29.4 *i*
"	29	29.6 *i*	"	15–16	29.4 *d*	"	12	30.0 *i*
May	4	29.7	"	19	29.7	"	14	30.0 *i*
"	16	29.7 *d*	"	22	29.7	"	18–19	29.3 *i*
"	20	29.5 *i*	"	26	29.7	"	21	29.8 *d*
"	25–27	29.4 *d*	"	29	29.9	December	8–9	29.5 *i*
June	2	29.9 *i*	August	4	29.8	"	19	29.7

B. CYCLONES CROSSING NEW ENGLAND FROM THE WEST.

January	3	29.3 *i*	June	22	29.6	October	8	29.5 *i*
"	25	29.3 *d*	"	23	29.6	"	26	29.7 *d*
February	2–3	29.7	July	3	29.6 *d*	"	29	29.3 *i*
"	11	28.9 *d*	August	2	29.9	November	2–3	29.8 *d*
"	15	29.7 *i*	"	9–12	29.8	"	4	29.4 *d*
March	23	29.7 *d*	September	5	29.8 *d*	December	6	29.9
May	11	29.7	"	26	29.2 *d*	"	14	29.8 *i*
June	20	29.5 *i*	October	3–4	29.5 *d*			

C. CYCLONES CROSSING NEW ENGLAND FROM THE SOUTH.

January	6–7	29.2 *d*	March	11	29.0 *d*	November	16	29.7
"	14	29.8	April	9	29.3 *d*			

D. CYCLONES PASSING EAST OF NEW ENGLAND.

January	19	29.6	April	15	29.6	November	10	29.5 *d*
March	1–4	29.3 *d*	May	23	29.5	"	29–30	29.7 *d*
"	9	29.2 *d*	August	20	29.9	December	20	29.4 *d*
"	18–19	29.0 *d*						

E. CYCLONES PASSING SOUTH OF NEW ENGLAND.

January	30	29.7	March	27	29.5	December	17	30.0
February	22	30.1 *i*	August	26	29.8 *i*			

F. CYCLONES ORIGINATING OVER OR NEAR NEW ENGLAND.

June	9–28	29.8 *i*						

The most noticeable cyclones and local storms, during 1892, selected with special reference to their violence in New England, occurred on the following dates.

January 2–3: This cyclone passed across northern New England giving heavy rains and high winds throughout our district.

February 11: A cyclone passed across New England and then up our coast with rapidly decreasing pressure and heavy snow changing to rain on the southern New England coast.

March 1–2: This cyclone passed off the Middle Atlantic coast on March 1. It moved easterly out to sea, then northerly and northwesterly to the Nova Scotia peninsular; it then turned to the west, then southwest and southeast and east, recurving across its former track on March 4. It gave one of the worst storms of the season on the coast. A description of this storm is given in the Bulletin for April, 1892.

March 11: An evident secondary depression formed over Virginia on March 10, and then moved northeasterly across western New England increasing in energy. It gave heavy snow in that section followed by a sharp and severe cold wave.

March 18–19: This cyclone came from the Gulf of Mexico on March 17, and passed up our seaboard on March 18–19, increasing in energy and causing high gales and heavy snow along our coast.

May 19–20: On this date a cyclone passed over the Lakes into Canada decreasing very much in energy. It generated an evident secondary which moved up our coast during the night giving a heavy and unseasonable snow storm over central New England. The depth of fall was from one to two feet and great suffering prevailed among stock that had been turned to pasture. (See Bulletin for May, 1892.)

June 2: A thunderstorm occurred in central Massachusetts, during which a man was killed by lightning at Gilbertville.

June 13: A thunderstorm occurred at Patten and Benedicta, Maine, in the evening, unroofing buildings and doing other damage.

June 14: Heavy and destructive thunderstorms occurred in the northern part of New England in the late afternoon. The rain front progressed steadily from northwest to southeast but the reports of the thunderstorms indicated a northeasterly movement. Much damage was done to crops, trees and buildings by the high wind and heavy rain and hail.

June 17: Heavy thunderstorms and rain prevailed in Maine, New Hampshire and eastern Massachusetts, doing considerable damage.

July 3 : Heavy rain and thunderstorms in Hartford, No. Buckfield and Paris, Maine. An apparent tornado did much damage at Orford, N. H.

July 28 : A woman was killed by lightning near Princeton, Massachusetts.

July 29 : A tornado-like storm passed through Stratford, N. H., doing considerable damage to trees, etc.

August 5 : During a thunderstorm at Eastport, Me., four houses were struck by lightning and several people stunned. Two men were killed near Boston.

August 6 : One of the most severe hail storms on record in New England occurred in the northern part of Sullivan and Merrimack counties, New Hampshire.

August 9–12 : A cyclone passed slowly across New England from the upper Lakes to the Atlantic coast causing severe thunderstorms and heavy rain throughout New England on each day.

September 24: Destructive local storms occurred in Connecticut. Several people were struck by lightning and seriously injured.

September 26 : A cyclone came from the Northwest increasing very much in energy as it crossed the St. Lawrence Valley into northern New England. It generated destructive local storms with high southerly gales. Many farm buildings were struck by lightning and burned both north and south. During the night the wind veered to the west and northwest and at Mt. Washington it reached a velocity of 100 miles an hour; snow fell on the summits of the mountains.

October 16: Severe thunderstorm in Connecticut and southern Massachusetts; one man was killed in Connecticut.

November 10 : This cyclone came from the Gulf of Mexico to the Middle Atlantic coast and then ran quickly up our coast on October 10, with high wind and heavy precipitation, which came as snow in the north.

November 16 : A storm moved from the Middle Atlantic coast, where it had formed on November 14, northerly up the coast on the next day. It then passed directly to the north across New England with heavy rain and high gales.

November 18 : A storm moved slowly from the Southwest to the Lakes on November 15 to 18, and then to the north into Canada on November 19. It caused widespread tornadoes throughout the central states on November 17, and severe local storms in New England and other north Atlantic states on the following day.

November 28–30 : This storm came from the Southwest to the lower Lakes on November 28, then re-formed over the Middle coast and passed slowly up our coast. Several hundred feet of breakwater were washed away at the head of Plymouth

Beach. The dredger "Rhode Island" of the U. S. Eng. Dept. was sunk off Newport, R. I., having foundered in the high seas. A bark went ashore at Highland Light; the crew was saved.

TABLES.

The tables of this report are described below in detail.

Table I contains geographical data for all stations reporting during 1892. An asterisk in the column of elevation indicates that the value there given is only approximate. The observers themselves are in most cases the authority for these data. The distribution of the stations is illustrated in Plate I where the numbers correspond to those in the first column of this table.

Table II is the annual summary for 1892 for such stations as have reported continuously through the year. The daily means from which the monthly and annual means are computed are taken from the maximum and minimum records wherever self-registering thermometers are used; where a single thermometer is in use and the readings were taken at other hours than 7 A.M., 2 and 9 P.M., they are corrected to the true daily mean by tables in the Chief Signal Officer's report "Mean Temperatures and their Corrections" by Alexander McAdie, M. A. 1891. In determining the number of rainy days, those were counted in which 0.01 inch or more of precipitation was recorded.

Tables III, IV and V contain barometric records reduced to sea level, with the addition of the monthly relative humidity in Table III. The values of the highest and lowest readings at Nashua, Blue Hill, Providence and New York(a) are taken from self-recording barometers.

Tables VI and VII exhibit the departures of the mean monthly temperature and precipitation of 1892 for those stations having a record of ten years or more. The general departure of temperature and precipitation from the normal in New England for the several months and the year have been considered on pages 7 and 8.

Table VIII contains the maximum velocity of the wind in miles per hour and the total movement of the wind in each month for all the stations where anemometers are used. The maximum wind velocity is not determined by the same method at all the stations: at Providence the greatest number of miles for the hour preceding the hour of regular observation is taken as the maximum; at St. John and Brattleboro the greatest movement in any hour since the preceding observation is taken as the maximum; at Amherst and Leicester the greatest pressure of the wind at any time

is recorded as the maximum velocity, while at the remaining stations the greatest number of miles in any five minutes is taken as the maximum. The latter is the method in use by the Weather Bureau.

Plate I gives the distribution of stations, with numbers corresponding to the first column of Table I, and also the mean annual isotherms. The latter are drawn from values of Table II without reduction to sea level. They are necessarily only approximate, and their curvature is determined in many points by a knowledge of the topography, when the records are wanting.

TABLE I.

LIST OF STATIONS AND OBSERVERS.

No.	Station.	County and State.	Lat. N.	Long. W.	Elevation.	Observer.
					ft.	
1	St. John	St. John, N.B.	45° 17′	66° 31′	140	Gilbert Murdoch, C. E.
2	Bar Harbor . . .	Hancock, Me.	44 23	68 13	50	Joseph Wood.
3	Belfast	Waldo	44 25	69 00	178	L. H. Murch.
20	Bethel	Oxford	44 25	70 45	. .	C. C. Lovejoy.
14	Calais	Washington . .	45 11	67 15	120	Dr. D. E. Seymour.
28	Cornish	York	43 47	70 49	778	Silas West.
19	East Machias . .	Washington . .	44 40	67 27	100	F. W. Kingsley.
25	Easton	Aroostook . . .	46 35	68 00	. .	N. M. Colbroth.
4	Eastport	Washington . .	44 55	66 54	53	U. S. Weather Bureau.
5	Fairfield	Somerset	44 35	69 35	90	H. M. Mansfield.
18	Farmington . .	Franklin	44 42	70 06	600	J. M. S. Hunter.
27	Ft. Kent	Aroostook . . .	47 10	68 40	. .	Vetal Cyr.
26	Gardiner	Kennebec . . .	44 12	69 47	163	Miss M. Moore.
22	Houlton	Aroostook . . .	46 10	67 50	265	Geo. Ingraham.
21	Indian Stream .	Piscataquis . . .	45 30	69 45	100	V. P. Hall.
23	Kennebec Arsenal	Cumberland . .	44 19	69 49	. .	Post Surgeon.
7	Kent's Hill . . .	Kennebec . . .	44 05	70 05	500*	Prof. S. N. Taylor.
8	Lewiston	Androscoggin .	44 06	70 10	185*	Union Water Power Co.
9	Mayfield	Somerset	45 08	69 45	1000*	V. P. Hall.
10	Orono	Penobscot . . .	44 54	68 40	129	Prof. C. M. Fernald.
11	Petit Menan . .	Washington . .	44 22	67 52	16*	George L. Upton.
12	Portland	Cumberland . .	43 40	70 16	99	U. S. Weather Bureau.
16	Sorrento	Hancock	44 29	68 11	60	W. L. Jackson. M.D.
15	West Jonesport	Washington . .	44 32	67 38	22	C. Hopkins.
32	Belmont	Belknap N.H.	43 30	71 35	. .	Winnepissiogee Lake Co.
66	Bethlehem . . .	Grafton	44 14	71 45	1470	Benjamin Tucker.
33	Berlin Falls . .	Coos	44 26	71 15	1040*	Owen F. Cole.
34	Berlin Mills . .	"	44 27	71 14	1100*	Q. A. Bridges.
62	Brookline . . .	Hillsboro . . .	42 44	71 41	. .	G. W. Bridges.
37	Concord	Merrimack . . .	43 13	71 30	283*	Hon. W. L. Foster.
64	Dublin	Cheshire	45 54	72 03	1493	H. D. Allison.
67	Durham	Strafford	43 09	71 00	88	Agric'l Exper't Station.
68	East Canterbury	Merrimack . . .	43 21	71 30	800	N. A. Briggs.
38	Grafton	Grafton	43 35	72 01	. .	P. R. Kimball.
69	Groveton . . .	Coos	44 30	71 32	1000	J. M. Wilson.
39	Hanover (*a*) . .	Grafton	43 42	72 17	603	Dartmouth College Observat'y.
58	" (*b*) . .	"	43 42	72 17	502	N. H. Agr. Exp't Station
40	Lake Village . .	Belknap	43 35	71 34	. .	Winnepissiogee Lake Co.
65	Lancaster . . .	Coos	44 30	71 35	1385	J. D. Howe.
59	Littleton	Grafton	44 19	71 46	1032	Charles Nurse
42	Manchester (*b*)	Hillsboro	42 59	71 28	225	William Little.
43	" (*c*)	"	42 59	71 28	247	U. S. Weather Bureau.
44	Mine Falls . . .	"	42 49	71 31	. .	Nashua Manufactuing Co.
45	Nashua	"	42 46	71 29	125	Jackson Co.
57	Newton	Rockingham . .	42 50	71 08	. .	W. C. Gale.
47	North Conway .	Carroll	44 02	71 10	575	J. L. Binford.
48	Pennichuck Stn.	Hillsboro	42 48	71 30	. .	Pennichuck Water Works.
61	Peterboro' . . .	"	42 50	71 56	. .	D. L. Crosby.
49	Plymouth . . .	Grafton	43 47	71 47	500	Miss Helen M. Clark.
63	Sanbornton . .	Belknap	43 30	71 41	. .	Geo. C. Ward.
51	Stratford	Coos	44 40	71 35	870*	N. B. Waters.
52	Walpole	Cheshire	43 04	72 21	1128	E. A. Knowlton.
53	Weir's Bridge .	Belknap	43 36	71 34	. .	Winnepissiogee Lake Co.
54	West Milan . .	Coos	44 34	71 20	1016	A. A. Higgins.
55	Wolfboro	Carroll	43 35	71 15	. .	Winnepissiogee Lake Co.
71	Brattleboro' (*a*)	Windham, Vt.	42 51	72 33	335	W. H. Childs.
72	" (*b*)	" . . .	42 51	72 33	160*	H. B. Chamberlain.
73	Burlington . . .	Chittenden . . .	44 29	73 15	220*	W. B. Gates.
74	Chelsea	Orange	44 00	72 32	1300*	H. L. Bixby.

LIST OF STATIONS AND OBSERVERS.

No.	Station.	County and State.	Lat. N.	Long. W.	Elevation.	Observer.
					ft.	
75	Cornwall	Addison	43° 57′	73° 12′	. .	C. H. Lane.
90	Enosburg Falls	Franklin	44 56	72 40	. .	J. H. Mears.
88	Hartland	Windsor	43 30	72 21	665	E. A. English.
95	Hyde Park . . .	Lamoile	44 40	72 35	. .	Geo. E. Stratton.
96	Irasburg	Orleans	44 48	72 25	. .	O. W. Locke.
77	Jacksonville (*a*) .	Addison	42 48	72 50	1250*	J. W. Hatch.
97	" (*b*) .	"	42 48	72 50	1000	Miss M. French.
78	Lunenburgh . .	Essex	44 27	71 41	1210	H. A. Cutting, Ph.D.
82	Northfield . . .	Washington . .	44 10	72 44	871	U. S. Weather Bureau.
94	Norwich	Windsor	43 45	72 18	. .	Chas. W. Brown.
87	Saxton's River .	Windham	43 09	72 35	. .	Vermont Academy.
92	Simonsville . . .	Windsor	43 15	72 45	1800	Mrs. J. J. Allbee.
93	So. Royalston .	"	43 50	72 30	. .	G. H. Manchester.
83	Strafford	Orange	43 52	72 24	500	H. F. J. Scribner.
85	Vernon	Windham . . .	42 47	72 32	310	A. Whithed.
89	Weathersfi'd Ctr.	Windsor	43 25	72 31	1800	B. H. Allbee.
91	Wells	Rutland	43 47	73 07	750	R. E. Pember.
86	Woodstock . . .	Windsor	43 36	72 34	700	H. F. Dunham.
192	Adams (*a*) . . .	Berkshire, Mass.	42 43	73 12	. .	F. W. Green.
198	" (*b*) . . .	" . . .	42 43	73 12	. .	F. R. Harrington.
187	Ashland	Middlesex . . .	42 15	71 28	214	Boston Water Works.
101	Amherst (*a*) . .	Hampshire . . .	42 22	72 31	267	Miss S. C. Snell.
102	" (*b*) . .	" . . .	42 20	72 30	250	Mass. Agr. Exp't Station.
177	" (*c*) . .	" . . .	42 23	72 31	260	Hatch Experiment Station.
180	Andover	Essex	42 39	71 06	300	A. B. Wiggin.
103	Beverly Farms .	"	42 34	70 49	78	T. K. Lothrop, Jr.
104	Blue Hill (sum't)	Norfolk	42 13	71 07	640	Blue Hill Observatory.
174	" " (valley)	"	42 14	71 07	50	" " "
106	Boston (*a*) . . .	Suffolk	42 21	71 04	124	U. S. Weather Bureau.
107	" (*b*) . . .	"	42 20	71 05	7	Boston Water Works.
108	Cambridge (*a*) .	Middlesex . . .	42 23	71 08	74	Harvard College Observatory.
109	" (*b*) .	"	42 23	71 06	8	E. C. Brooks, C. E.
110	Chestnut Hill . .	"	42 20	71 12	124	Boston Water Works.
111	Chicopee	Hampden	42 12	72 35	86	F. H. Norton.
112	Clinton	Worcester . . .	42 25	71 41	297	Geo. W. Weeks.
182	Concord (*a*) . . .	Middlesex . . .	42 27	71 22	139	Fred A. Tower.
382	" (*b*) . . .	" . . .	42 27	71 22	. .	M. H. Houghton.
114	Cotuit.	Barnstable . . .	41 37	70 26	60*	Gen. J. H. Reed.
116	Deerfield	Franklin	42 30	72 37	175*	James Childs.
117	Dudley	Worcester . . .	42 03	71 56	705	Nichols Academy.
193	Egg Rock, Nahant	Essex	42 26	70 54	72	G. L. Lyon.
386	Fall River . . .	Bristol	41 42	71 09	200	C. V. S. Remington.
119	Fiskdale	Worcester . . .	42 05	72 09	1150*	O. B. Truesdell.
120	Fitchburg (*a*) . .	"	42 36	71 50	700*	Dr. J. Fisher.
121	" (*b*) . .	"	42 35	71 47	550*	Dr. A. P. Mason.
186	Florida (*a*) . . .	Berkshire	42 40	73 02	1328	Nelson Dupuy.
188	" (*b*) . . .	"	42 42	73 02	2160	J. E. Baker.
122	Framingham . .	Middlesex . . .	42 17	71 27	160	Boston Water Works.
123	Gilbertville . . .	Worcester . . .	42 17	72 13	560	Dr. W. E. Brown.
385	Great Barrington	Berkshire	42 15	73 25	. .	J. C. Wheeler.
124	Groton (*a*) . . .	Middlesex . . .	42 36	71 34	333	Chas. Woolley.
125	" (*b*) . . .	"	42 36	71 34	. .	Groton School.
160	Hingham	Plymouth	42 13	70 53	63	H. W. Cushing.
195	Hyannis	Barnstable . . .	41 39	70 17	31	C. F. Sleeper.
178	Kendal Green . .	Middlesex . . .	42 22	71 20	135	Cambridge Water Works.
127	Lake Cochituate	"	42 17	71 25	140	Boston Water Works.
128	Lawrence	Essex	42 42	71 13	51*	Essex Company.
129	Leicester	Worcester . . .	42 15	71 55	1058*	Leicester Academy.
130	Leominster . . .	"	42 30	71 49	500*	W. B. Hosmer.

LIST OF STATIONS AND OBSERVERS.

No.	Station.	County and State.	Lat. N.	Long. W.	Elevation.	Observer.
					ft.	
131	Long Plain . .	Bristol Mass.	41° 44′	70° 55′	55	New Bedford Water Works.
133	Lowell (*b*) . . .	Middlesex . . .	42 39	71 20	100*	Prop's Locks and Canals.
136	" (*c*) . . .	"	42 39	71 20	97	" " " "
176	" (*d*) . . .	"	42 39	71 20	84	F. E. Saunders.
134	Ludlow	Hampden	42 12	72 29	381	M. W. Graves.
135	Lynn (*a*)	Essex	42 28	70 56	40	John C. Haskell.
384	" (*b*)	"	42 28	70 56	39	J. W. Darcy.
183	Mansfield	Bristol	42 01	71 15	168	W. C. Winter.
138	Medford	Middlesex . . .	42 25	71 07	7	R. M. Gow.
139	Middleboro' . . .	Plymouth	41 53	70 55	. .	Middleboro' Water Works.
140	Milton	Norfolk	42 15	71 06	100	Rev. A. K. Teele.
194	Monroe	Berkshire	42 43	72 59	1860	Wm. H. Allen.
141	Monson	Hampden	42 05	72 20	420	Dr. G. E. Fuller.
142	Mt. Nonotuck . .	Hampshire . . .	42 15	72 40	880	Wm. Street.
143	Mystic Lake . .	Middlesex . . .	42 26	71 09	12	Boston Water Works.
144	" Pump. Sta.	" . . .	42 25	71 08	10	" " "
173	Nahant	Essex	42 26	70 54	90	Dr. W. D. Hodges.
146	Nantucket . . .	Nantucket . . .	41 14	70 07	14	U. S. Weather Bureau.
147	New Bedford (*a*)	Bristol	41 39	70 56	88	T. R. Rodman.
148	" " (*b*)	"	41 39	70 56	48	New Bedford Water Works.
149	Newburyport (*a*)	Essex	42 49	70 51	73	F. V. Pike.
150	" (*b*)	"	42 49	70 51	12*	Newburyport Water Co.
152	Northampton . .	Hampshire . . .	42 19	72 38	125	J. M. Clark.
387	No. Billerica . .	Middlesex . . .	42 36	71 18	115	C. H. Kohlrausch, Jr.
153	Plymouth	Plymouth	41 57	70 40	40*	Miss L. B. Knapp.
154	Princeton	Worcester . .	42 25	71 55	1125	Mrs. E. M. West.
155	Provincetown . .	Barnstable . . .	42 03	70 11	15	John R. Smith.
156	Randolph	Norfolk	42 10	71 03	170	Mrs. I. D. Page.
179	Robert's Dam . .	Middlesex . . .	42 21	71 20	90	Cambridge Water Works.
196	Roxbury	Suffolk	42 21	71 04	107	J. S. Cheever.
200	Royalston	Worcester . . .	42 40	72 15	. .	Miss L. W. Chase.
159	Salem	Essex	42 31	70 54	46	A. A. Smith.
190	Savoy	Berkshire	42 41	73 02	2400	M. C. Cain.
161	Springfield . . .	Hampden	42 06	72 35	204	National Armory.
163	Taunton (*a*) . .	Bristol	41 54	71 05	41	Dr. E. U. Jones.
164	" (*b*) . .	"	41 54	71 06	40*	A. F. Sprague.
165	" (*c*) . .	"	41 54	71 06	14	Taunton Water Works.
184	" (*d*) . .	"	41 54	71 06	40	C. H. Wilmarth.
197	Turner's Falls .	Franklin	42 37	72 33	200	Turner's Falls Co.
181	Wakefield	Middlesex	42 30	71 04	107	S. W. Abbott.
166	Waltham	"	42 22	72 17	40	Boston Manufacturing Co.
381	Webster	Worcester . . .	42 03	72 53	480	E. P. Morton.
168	Wellesley	Norfolk	42 17	71 20	. .	Prof. Sarah F. Whiting.
169	Westboro'	Worcester . . .	42 16	71 38	. .	G. S. Newcomb.
170	Williamstown . .	Berkshire	42 43	73 13	690	Williams College Observatory.
171	Winchester . . .	Middlesex . . .	42 27	71 08	90*	L. R. Symmes.
383	Woods Holl . .	Barnstable . . .	41 33	70 40	. .	U. S. Weather Bureau.
185	Worcester (*a*) .	Worcester . . .	42 16	71 46	. .	Worcester Academy.
199	Worcester (*b*) .	" . . .	42 16	71 48	514	Geo. W. Swan.
201	Block Island . .	Newport, R. I.	41 10	71 35	27	U. S. Weather Bureau.
202	Bristol	Bristol	41 40	71 16	53	N. G. Herreshoff.
210	Kingston (*a*) . .	Washington . .	41 29	71 31	250	Nathaniel Helme.
211	" (*b*) . .	" . . .	41 29	71 32	166	R. I. Agr. Exp't Station.
203	Lonsdale	Providence . . .	41 55	71 24	116	G. W. Pratt.
204	Newport	Newport	41 32	71 13	75	Thomas Dunn.
205	Olneyville . . .	Providence . . .	41 48	71 29	25	C. H. Cannon.
206	Pawtucket . . .	"	41 54	71 23	56	J. H. Walker.
207	Providence (*a*) .	"	41 50	71 25	74	City Engineer's Office.
208	" (*b*) .	"	41 50	71 25	70	D. W. Hoyt.

LIST OF STATIONS AND OBSERVERS.

No.	Station.	County and State.	Lat. N.	Long. W.	Elevation.	Observer.
					ft.	
212	Providence (*c*) .	Providence R.I.	41° 50′	71° 25′	165	Winslow Upton.
221	Canton	Hartford, Conn.	41 50	72 55	900*	G. J. Case.
222	Colchester . . .	New London . .	41 33	72 20	370*	Samuel P. Willard.
247	Falls Village . .	Litchfield	41 55	73 20	600*	M. H. Dean.
224	Hartford (*b*) . .	Hartford	41 45	72 42	145	Prof. Samuel Hart, D.D.
225	Lake Konomoc .	New London . .	41 26	72 10	185	New London Water Works.
249	Lebanon	" " . .	41 38	72 15	. .	J. H. Tucker.
452	Middletown . . .	Middlesex . . .	41 33	72 39	70	C. W. Hubbard.
227	New Hartford(*a*)	Litchfield	41 50	73 01	410	R. R. Smith.
454	" (*b*)	"	41 50	73 02	600	Rev. W. Goodwin.
228	New Haven . . .	New Haven . . .	41 17	72 57	107	U. S. Weather Bureau.
229	New London . .	New London . .	41 22	72 09	47	U. S. Weather Bureau.
453	No. Franklin . .	"	41 05	72 02	. .	C. H. Lathrop.
250	N. Gros'nr Dale	Windham	41 54	71 54	375	Grosvenor Dale Co.
451	Norwalk	Fairfield	41 08	73 33	. .	Geo. C. Comstock.
248	South Manchester	Hartford	41 41	72 29	. .	K. B. Loomis.
237	Storrs	Tolland	41 48	72 10	640	Storrs School Exp't Station.
238	Stevenson	New Haven . . .	41 23	73 12	58	H. R. Stevens.
231	Thompson . . .	" " . . .	41 57	71 51	600	Miss E. D. Larned.
233	Voluntown . . .	New London . .	41 36	71 50	260	Rev. E. Dewhurst.
234	Wallingford . . .	New Haven . . .	41 26	72 50	133	Mrs. B. F. Harrison.
235	Waterbury . . .	" " . . .	41 31	73 05	450	N. J. Welton.
245	West Simsbury .	Hartford	41 52	72 54	200*	S. T. Stockwell.
251	Albany	Albany, N. Y.	42 39	73 45	83	U. S. Weather Bureau.
252	Boyd's Corners .	Putnam	41 29	73 43	546	Thomas Manning.
253	Carmel	"	41 26	73 40	510	" "
259	Lebanon Springs	Columbia	42 29	73 22	900	A. K. Harrison.
254	New York (*a*) .	New York . . .	40 46	73 58	97	Dr. D. Draper.
255	" " (*b*) .	" "	40 43	74 00	185	U. S. Weather Bureau.
258	Poughkeepsie . .	Dutchess	41 41	73 55	. .	Vassar College Observatory.
256	Setauket	Suffolk	40 58	73 05	40*	S. B. Strong.
257	S. E. Reservoir .	Putnam	41 23	73 38	300	Thomas Manning.

TABLE II.

SUMMARY OF OBSERVATIONS FOR YEAR 1892.

No.	Station.	Temperature.						Precipitation.		Rainy Days.	
		Mean Daily Range.	Highest.	Lowest.	Absolute Range.	Mean.		Rain and Snow.	Unmelted Snow.	Total.	Monthly Average.
						Max. and Min.	Tri. Daily.				
		1 °	2 °	3 °	4 °	5 °	6 °	7 *in.*	8 *in.*	9	10
1	St. John, N. B. . .	12.2	84	— 6	90	42.0	41.7	48.21	53	137	11
3	Belfast, Me.	. .	89	— 6	95	. .	44.5	36.69	69	104	9
14	Calais	17.5	89	— 6	95	44.1	. .	45.27	119	107	9
19	East Machias	18.1	89	— 7	96	42.9	. .	36.74	61	116	10
4	Eastport	12.6	88	— 7	95	42.7	. .	32.20	49	148	12
5	Fairfield	21.7	93	—15	108	43.2	. .	32.96	52	117	10
18	Farmington	. .	98	—17	115	45.5	. .	40.10	77	127	11
8	Lewiston	18.0	92	— 8	100	42.1	44.0	46.66	70	128	11
10	Orono	18.0	90	— 8	98	43.8	43.9	38.96	75	123	10
11	Petit Menan	. .	75	— 3	78	. .	42.7	. .	. .	. .	. .
12	Portland	14.6	95	— 5	100	45.1	. .	39.15	55	128	11
34	Berlin Mills, N. H. .	24.2	94	—24	118	40.6	. .	41.96	94	143	12
37	Concord	18.3	93	— 8	101	45.5	. .	37.82	55	110	9
68	East Canterbury . .	. .	92	—10	102	44.1	. .	37.78	44	. .	. .
59	Littleton	. .	89	—16	105	41.0	. .	42.46	75	122	10
42	Manchester (*a*) . . .	18.1	98	— 6	104	47.3	46.6	36.69	64	127	11
43	" (*b*) . . .	18.4	95	— 3	98	46.5	. .	34.02	. .	126	10
45	Nashua	20.8	96	— 7	103	47.2	47.6	36.40	63	100	8
57	Newton	20.2	94	— 6	100	46.1	. .	. .	. .	. .	. .
47	North Conway . . .	23.6	98	—13	111	43.1	. .	37.66	. .	84	7
49	Plymouth	22.6	98	—12	110	43.0	42.1	42.69	47	116	10
51	Stratford	23.9	98	—20	118	44.1	. .	39.42	63	109	9
52	Walpole	21.2	94	—22	116	44.4	. .	34.48	48	99	8
54	West Milan	22.5	94	—28	122	39.7	. .	44.62	84	128	11
71	Brattleboro' Vt. . .	21.1	98	—12	110	46.7	46.0	31.58	62	. .	. .
73	Burlington	15.1	92	—10	102	45.8	45.4	42.24	73	145	12
74	Chelsea	. .	86	—16	102	. .	38.7	38.85	100	161	13
88	Hartland	23.2	90	—17	107	42.4	. .	38.84	46	139	12
82	Northfield.	18.8	92	—19	111	41.4	. .	32.67	51	159	13
83	Strafford	. .	88	—13	101	. .	42.1	36.87	97	89	7
85	Vernon	. .	96	—12	108	. .	46.5	39.49	47	75	6
91	Wells	. .	90	—14	104	42.2	. .	42.82	53	117	10
192	Adams, Mass. . . .	19.9	91	— 5	96	43.7	. .	. .	. .	. .	. .
101	Amherst (*a*), . . .	. .	92	— 8	100	. .	47.3	35.34	35	. .	. .
102	" (*b*) . . .	21.0	94	—10	104	46.4	46.7	37.01	40	93	8
177	" (*c*) . . .	22.7	95	—10	105	46.8	48.5	40.34	42	108	9
104	Blue Hill (sum't) . .	16.3	92	— 3	95	46.7	46.1	39.73	58	119	10
105	" " (base) . .	20.4	95	— 2	97	47.2	. .	. .	. .	. .	. .
106	Boston	14.6	96	0	96	49.4	48.0	37.02	. .	123	10
108	Cambridge (*a*) . . .	19.2	96	— 4	100	48.9	. .	36.51	. .	107	9
109	" (*b*) . . .	17.3	94	0	94	48.4	. .	39.30	. .	118	10
110	Chestnut Hill . . .	19.7	95	0	95	48.7	. .	42.27	45	95	8
182	Concord	19.9	95	— 6	101	46.7	45.6	38.68	52	112	9
117	Dudley	18.2	95	— 4	99	47.1	. .	38.29	48	119	10
193	Egg Rock, Nahant.	12.5	89	0	89	46.9	. .	. .	. .	. .	. .
120	Fitchburg (*a*)	. .	92	— 2	94	. .	46.4	41.63	61	108	9
121	" (*b*)	18.7	95	— 4	99	46.6	. .	38.35	53	106	9
122	Framingham	22.8	96	— 3	99	47.5	. .	41.90	35	113	9
123	Gilbertville	21.9	94	— 1	95	46.0	. .	45.17	63	109	9
124	Groton	18.7	94	— 4	98	47.6	. .	37.85	69	106	9
195	Hyannis	. .	98	2	96	. .	51.8	39.98	39	106	9
178	Kendal Green . . .	13.7	93	0	93	48.5	. .	42.92	65	87	7
127	Lake Cochituate . .	26.6	97	— 8	105	47.8	. .	39.04	29	115	10
128	Lawrence	20.9	102	— 2	104	48.3	. .	34.90	50	107	9

SUMMARY OF OBSERVATIONS FOR YEAR 1892.

No.	Station.	Temperature.						Precipitation.		Rainy Days.	
		1	2	3	4	5	6	7	8	9	10
		°	°	°	°	°	°	in.	in.		
129	Leicester	17.4	92	— 6	98	44.8	44.9	34.44	43	97	8
131	Long Plain	. .	92	— 4	96	49.0	. .	45.13	18	107	8
133	Lowell (*b*)	17.5	94	— 4	98	47.6	. .	39.22	. .	105	8
136	" (*c*)	20.5	95	— 6	101	47.3	. .	. .	. .	. .	. .
176	" (*d*)	20.6	97	— 2	99	47.7	. .	. .	. .	. .	. .
134	Ludlow	22.3	91	—10	101	44.2	. .	45.56	57	120	10
135	Lynn	17.0	94	1	93	48.4	. .	39.86	. .	122	10
183	Mansfield	. .	99	0	99	. .	47.4	40.15	60	130	11
139	Milton	. .	95	2	93	48.2	. .	37.57	44	. .	. .
194	Monroe	20.3	2	— 9	101	43.1	. .	50.25	105	115	10
141	Monson	19.8	94	— 9	103	47.3	. .	40.29	45	120	10
146	Nantucket	18.2	87	5	82	48.9	. .	32.38	. .	119	10
147	New Bedford (*a*)	16.0	90	— 5	95	47.2	47.4	42.89	43	94	8
148	" " (*b*)	17.0	92	0	92	48.6	. .	43.31	30	118	10
153	Plymouth	. .	94	4	90	. .	. .	39.51	. .	104	9
155	Provincetown	13.8	94	—13	107	49.4	. .	33.04	26	100	8
196	Roxbury	15.9	93	1	92	48.8	48.5	41.26	58	127	11
161	Springfield	16.6	95	— 2	97	48.6	49.4	45.29	45	112	9
163	Taunton (*a*)	20.6	99	1	98	49.3	. .	39.91	39	109	9
164	" (*b*)	21.6	97	1	96	48.8	. .	37.06	42	105	9
165	" (*c*)	22.3	96	— 1	97	48.2	. .	43.48	. .	110	9
184	" (*d*)	21.6	102	0	102	48.7	48.3	37.51	39	98	8
197	Turner's Falls	16.9	94	— 5	99	47.3	. .	. .	36	111	9
181	Wakefield	18.0	95	— 1	96	47.9	. .	40.18	66	101	8
168	Wellesley	17.5	94	— 2	96	46.3	. .	38.43	. .	. .	. .
169	Westboro'	21.7	97	— 4	101	48.6	. .	38.77	52	111	9
170	Williamstown	16.5	90	— 8	98	44.8	45.2	. .	43	90	8
201	Block Island, R. I.	10.1	88	3	85	48.8	. .	43.06	13	120	10
202	Bristol	13.2	90	3	87	49.0	48.5	35.76	29	126	10
210	Kingston (*a*)	17.8	92	— 1	93	47.8	. .	42.63	38	116	10
211	" (*b*)	. .	91	— 3	94	47.9	47.8	40.83	24	104	9
205	Olneyville	14.2	94	2	92	51.3	. .	. .	. .	. .	. .
207	Providence (*a*)	16.0	96	2	94	50.7	50.0	37.39	44	118	10
208	" (*b*)	15.8	94	0	94	48.0	. .	36.81	44	114	10
221	Canton, Conn.	19.8	97	— 4	101	47.8	. .	44.99	53	88	7
222	Colchester	19.3	96	— 1	97	48.2	. .	. .	31	87	7
454	New Hartford (*b*)	. .	96	— 9	105	42.0	. .	44.1	60	. .	. .
228	New Haven	16.1	96	0	96	49.0	. .	37.78	46	129	11
229	New London	14.3	92	— 2	94	48.8	. .	34.75	24	133	11
250	North Grosvenor Dale	19.5	98	0	98	46.7	46.5	40.38	32	110	9
451	Norwalk	20.5	94	— 2	96	47.5	. .	. .	38	105	9
233	Voluntown	20.0	93	0	93	47.9	. .	38.83	46	101	8
235	Waterbury	18.0	93	— 7	100	47.8	. .	40.44	55	120	10
251	Albany, N. Y.	15.8	96	— 5	101	48.0	. .	34.83	25	135	11
252	Boyd's Corner	. .	94	4	90	. .	50.4	45.53	60	110	9
253	Carmel	19.8	93	0	93	48.0	. .	46.02	60	113	9
255	New York	14.1	96	8	88	51.9	. .	38.89	47	124	10
258	Poughkeepsie	22.8	98	—12	110	47.5	. .	37.05	. .	. .	. .
256	Setauket	14.5	94	6	88	50.6	. .	39.39	30	95	8

APPENDIX TO TABLE II.

STATIONS REPORTING PRECIPITATION ONLY.

[Total Precipitation and Unmelted Snow in Year 1892.]

No.	Station.	Total Precip.	Snow-fall.	No.	Station.	Total Precip.	Snow-fall.
		in.	*in.*			*in.*	*in.*
23	Kenebec Ar'nal, Me.	33.70	. .	143	Mystic Lake, Mass.	40.83	. .
7	Kent's Hill	38.22	77	144	Mystic P'p'g Sta.	38.85	. .
32	Belmont, N. H.	43.07	. .	149	Newburyport (*a*)	37.26	58
39	Hanover	35.72	31	150	" (*b*)	30.92	. .
40	Lakeport	41.99	. .	156	Randolph	36.29	42
44	Mine Falls	36.71	. .	179	Robert's Dam	38.80	42
53	Weir's Bridge	40.29	. .	159	Salem	42.33	56
55	Wolfboro'	35.22	. .	166	Waltham	39.74	. .
75	Cornwall, Vt.	30.38	28	171	Winchester	37.08	. .
180	Andover, Mass.	31.15	49	203	Lonsdale, R. I.	38.93	. .
187	Ashland	41.76	. .	247	Falls Village, Conn.	44.59	49
107	Boston (*b*)	35.45	38	224	Hartford	39.10	44
112	Clinton	30.55	. .	249	Lebanon	35.67	45
119	Fiskdale	36.56	. .	227	New Hartford	43.18	. .
160	Hingham	40.37	51	248	So. Manchester	37.04	. .
130	Leominster	40.17	57	238	Stevenson	38.61	43
138	Medford	37.39	. .	234	Wallingford	37.88	53
139	Middleboro'	38.92	44	245	West Simsbury	41.20	54
142	Mt. Nonotuck	36.91	56	257	S. E. Reservoir, N. Y.	44.24	. .

TABLE III.

MONTHLY MEAN PRESSURE AND RELATIVE HUMIDITY FOR 1892.

No.	Station.	January.		February.		March.		April.		May.		June.	
		Pressure.	Rel. Hum.	Pressure.	Rel. Hum.	Pressure.	Rel. Hum.	Pressure.	Rel. Hum.	Pressure.	Rel. Hum.	Pressure.	Rel. Hum.
		in.		*in.*		*in.*		*in.*		*in.*		*in.*	
1	St. John, N. B.	29.91	90	30.08	88	29.79	87	29.89	87	29.95	85	29.93	86
4	Eastport, Me.	29.97	78	30.08	73	29.81	68	29.90	62	29.95	75	29.93	80
12	Portland	29.99	80	30.12	74	29.88	62	29.96	60	29.95	72	29.93	75
43	Manchester, N. H.	30.02	75	30.15	74	29.91	59	30.00	47	29.98	64	29.96	68
45	Nashua	29.99	76	30.12	78	29.90	67	29.98	55	29.96	67	29.94	68
71	Brattleboro, Vt.	30.00	86	30.14	84	29.94	78	30.00	73	29.99	82	29.97	80
82	Northfield	30.03	75	30.18	74	29.96	72	30.01	66	29.98	72	29.94	75
177	Amherst, Mass.	29.96	74	30.11	73	29.90	64	29.97	54	29.94	60	29.92	69
104	Blue Hill	29.98	69	30.12	75	29.91	65	29.99	58	29.97	72	29.96	78
106	Boston	30.02	73	30.14	78	29.92	62	30.02	54	29.99	68	29.97	70
129	Leicester	29.98	. .	30.12	. .	29.99	. .	30.09	. .	29.95	. .	29.96	. .
176	Lowell (*d*)	29.99	83	30.10	85	29.87	83	29.99	61	29.92	75	29.96	78
146	Nantucket	30.01	75	30.10	79	29.92	70	30.04	64	30.00	77	30.01	81
161	Springfield	30.00	79	30.13	74	29.94	68	30.01	48	29.96	64	29.95	69
196	Roxbury	30.02	. .	30.14	. .	29.92	. .	30.01	. .	29.99	. .	29.98	. .
201	Block Island, R. I.	30.03	78	30.13	79	29.94	77	30.05	79	30.01	86	30.01	90
207	Providence	29.96	74	30.08	74	29.88	67	29.97	59	29.96	64	29.97	73
228	New Haven, Conn.	30.02	75	30.13	74	29.94	65	30.04	71	29.98	83	29.97	83
229	New London	30.01	76	30.13	72	29.94	64	30.03	67	29.98	79	29.98	84
237	Storrs	30.01	. .	30.14	. .	29.93	. .	30.03	. .	29.99	. .	29.95	. .
251	Albany, N. Y.	30.04	82	30.17	82	29.99	77	30.04	68	29.97	79	29.96	80
255	New York	30.05	76	30.14	74	29.98	69	30.06	63	29.98	74	29.99	78
256	Setauket	30.05	. .	30.16	. .	29.99	. .	30.09	. .	30.03	. .	30.05	. .
	Mean	30.00	78	30.12	77	29.92	70	30.01	63	29.96	74	29.96	77

The changes in atmospheric pressure from January 17 to February 28 of this year were among the greatest on record in New England. On the former date a high pressure area spread off our eastern coast, giving a barometer reading of 30.70 inches at Boston and 30.68 inches at Eastport, Maine. Other areas followed, till on February 11 a low pressure reached the Eastern Lakes from the northwest and passed across New England with steadily falling barometer; at Boston the record was 29.03 inches and at Eastport 28.63 inches. Again other areas moved across our district, but on February 27 a high pressure spread easterly over the northern States that gave a barometer reading of over 31.1 inches in Canada and 30.85 inches at Eastport. Thus making the highest and lowest barometer readings for the year, within half a month at that station and the difference between those readings 2.22 inches; a very unusual change.

TABLE III.

MONTHLY MEAN PRESSURE AND RELATIVE HUMIDITY FOR 1892.

No.	July.		August.		September.		October.		November.		December.		Year.	
	Pressure.	Rel. Hum.	Pressure.	Rel. Hum.	Pressure.	Rel. Hum.	Pressure.	Rel. Hum.	Pressure.	Rel. Hum.	Pressure.	Rel. Hum.	Pressure.	Rel. Hum.
	in.		*in.*		*in.*		*in.*		*in.*		*in.*		*in.*	
1	29.96	84	29.99	89	30.07	89	29.80	84	30.00	92	29.86	92	29.94	88
4	29.97	78	29.99	88	30.08	80	29.82	74	30.01	76	29.87	68	29.95	75
12	29.98	70	29.99	83	30.10	70	29.88	73	30.03	78	29.93	74	30.98	73
43	30.01	66	30.00	77	30.14	75	29.93	69	30.05	74	29.98	71	30.01	68
45	30.00	65	29.98	77	30.11	71	29.90	72	30.02	76	29.96	72	29.99	70
71	30.03	81	30.02	89	30.15	82	29.96	75	30.06	79	30.02	73	30.02	80
82	30.01	75	30.01	86	30.12	81	29.95	83	30.07	86	30.02	76	30.02	77
177	29.99	66	30.02	75	30.10	71	29.90	66	29.99	71	30.01	70	29.98	68
104	30.01	72	29.98	82	30.12	76	29.91	71	30.02	76	29.96	67	29.99	72
106	30.03	64	30.01	78	30.15	74	29.94	67	30.05	74	29.98	68	30.02	69
129	29.98	..	29.97	..	30.12	..	29.91	..	30.02	..	29.98	..	30.01	..
176	29.98	78	29.99	87	30.17	85	29.95	83	30.03	81	29.95	80	29.99	80
146	30.05	81	30.00	83	30.17	81	29.94	80	30.03	83	29.98	76	30.02	78
161	30.02	66	29.98	74	30.13	69	29.94	64	30.04	73	30.00	75	30.01	69
196	30.05	..	30.01	..	30.14	..	29.93	..	30.04	..	29.98	..	30.02	..
201	30.06	85	30.02	89	30.18	82	29.97	78	30.05	79	30.01	72	30.04	81
207	30.02	68	29.98	78	30.13	73	29.91	70	30.00	77	29.94	72	29.98	71
228	30.03	81	29.99	83	30.15	81	29.96	75	30.04	80	30.02	76	30.02	76
229	30.03	82	30.00	84	30.15	79	29.95	73	30.04	77	30.00	75	30.02	76
237	30.04	..	30.00	..	30.16	..	29.98	..	30.05	..	30.02	..	30.02	..
251	30.03	74	30.00	78	30.14	78	29.97	78	30.07	78	30.05	83	30.04	78
255	30.06	70	30.02	74	30.18	69	30.01	66	30.07	74	30.06	71	30.05	72
256	30.10	..	30.00	..	30.21	..	30.02	..	30.09	..	30.06	..	30.07	..
M	30.02	74	30.00	82	30.14	77	29.93	74	30.04	78	29.98	74	30.01	75

TABLE IV.

MAXIMUM PRESSURE AND DATE FOR 1892.

No.	Station.	January.		February.		March.		April.		May.		June.	
		Highest.	Date.	Highest.	Date.	Highest.	Date.	Highest.	Date.	Highest.	Date.	Highest.	Date.
		in.		*in.*		*in.*		*in.*		*in.*		*in.*	
1	St. John, N. B.	30.83	11	30.86	27	30.49	2	30.41	1	30.34	14	30.38	4
4	Eastport, Me.	30.72	11	30.85	27	30.46	29	30.44	1	30.34	1	30.39	4
12	Portland	30.70	11	30.82	28	30.44	31	30.49	1	30.41	1	30.40	4
43	Manchester, N. H.	30.70	17	30.79	27	30.46	31	30.53	1	30.39	1	30.43	4
45	Nashua	30.68	17	30.77	28	30.48	22	30.54	1	30.44	1	30.45	4
82	Northfield, Vt.	30.73	10	30.82	27	30.47	22	30.52	1	30.33	1	30.38	4
177	Amherst, Mass.	30.67	17	30.72	27	30.45	22	30.53	1	30.43	1	30.39	4
104	Blue Hill	30.71	17	30.73	27	30.48	31	30.53	1	30.44	1	30.41	4
106	Boston	30.70	17	30.75	27	30.48	31	30.54	1	30.44	1	30.43	4
182	Concord	30.70	17	30.76	27	30.48	22	30.55	1	30.44	1	30.42	4
129	Leicester	30.59	10	30.70	27	30.42	22	30.60	1	30.36	1	30.35	4
176	Lowell	30.66	11, 17	30.71	28	30.42	23	30.56	1	30.39	1	30.44	4
146	Nantucket	30.65	17	30.62	28	30.50	31	30.58	1	30.46	1	30.42	4
163	Taunton	30.67	17	30.69	28	30.45	22	30.55	1	30.44	1	30.42	4
196	Roxbury	30.71	17	30.76	27	30.48	31	30.55	1	30.44	1	30.44	4
201	Block Island, R. I.	30.68	17	30.64	27	30.49	22	30.57	1	30.44	1	30.41	4
207	Providence	30.64	17	30.65	27	30.46	31	30.54	1	30.42	1	30.41	4
228	New Haven, Conn.	30.66	17	30.67	28	30.49	22	30.54	1	30.41	1	30.33	4
229	New London	30.66	17	30.66	27	30.48	22	30.55	1	30.42	1	30.39	4
237	Storrs	30.68	17	30.70	27	30.49	22	30.61	1	30.44	1	30.40	4
251	Albany, N. Y.	30.67	10	30.77	27	30.53	22	30.57	25	30.35	14	30.34	4
255	New York	30.66	17	30.67	27	30.51	22	30.52	25	30.38	14	30.36	4
256	Setauket	30.66	17	30.69	28	30.52	22	30.57	1	30.46	1	30.42	5

TABLE V.

MINIMUM PRESSURE AND DATE FOR 1892.

No.	Station.	January.		February.		March.		April.		May.		June.	
		Lowest.	Date.	Lowest.	Date.	Lowest.	Date.	Lowest.	Date.	Lowest.	Date.	Lowest.	Date.
		in.		*in.*		*in.*		*in.*		*in.*		*in.*	
1	St. John, N. B.	29.26	26	28.78	12	29.11	19	29.27	10	29.68	23	29.54	20
4	Eastport, Me.	29.20	26	28.63	12	29.13	19	29.32	10	29.48	23	29.58	20
12	Portland	29.29	26	28.99	12	29.06	19	29.39	10	29.49	27	29.49	20
43	Manchester.	29.33	6	29.06	12	29.18	19	29.48	10	29.49	27	29.54	20
45	Nashua.	29.28	7	29.06	12	29.19	19	29.45	9	29.46	27	29.53	20
82	Northfield, Vt.	29.36	25	29.14	12	29.17	11	29.50	9	29.46	27	29.51	20
177	Amherst, Mass.	29.29	6	29.07	12	29.29	19	29.51	9	29.47	27	29.55	20
104	Blue Hill	29.29	7	29.00	11	29.23	19	29.44	7	29.45	23	29.53	20
106	Boston	29.29	6	29.03	11	29.24	19	29.48	10	29.49	27	29.59	22
182	Concord	29.34	6	29.06	11	29.23	19	29.51	9, 10	29.53	23	29.60	28, 29
129	Leicester.	29.32	6	29.12	11	29.40	8	29.60	9	29.49	27	29.58	20
176	Lowell	29.34	6	28.95	12	29.27	19	29.46	10	29.49	27	29.52	20
146	Nantucket.	29.28	6	29.00	11	29.30	9	29.54	10	29.43	23	29.66	22
163	Taunton.	29.22	6	29.04	11	29.26	19	29.46	9	29.38	23	29.55	20
196	Roxbury.	29.30	6	29.07	11	29.32	9	29.49	9	29.51	27	29.58	20
201	Block Island, R. I.	29.27	6	29.12	11	29.30	8	29.58	15	29.48	23	29.65	22
207	Providence	29.27	6	28.99	11	29.22	19	29.47	9	29.44	23	29.57	20
228	New Haven, Conn.	29.24	6	29.18	11	29.28	8	29.59	8	29.52	27	29.62	23
229	New London	29.24	6	29.14	11	29.31	9	29.58	9,10	29.46	23	29.64	28
237	Storrs	29.27	6	29.15	11	29.28	9	29.56	9	29.53	27	29.61	20
251	Albany, N. Y.	29.26	6	29.23	11	29.34	10	29.59	8	29.53	27	29.57	28
255	New York.	29.29	6	29.26	11	29.30	8	29.57	8	29.56	27	29.65	28
256	Setauket.	29.26	6	29.23	11	29.35	9	29.65	9	29.60	27	29.69	28

TABLE IV.

MAXIMUM PRESSURE AND DATE FOR 1892.

No.	July.		August.		September.		October.		November.		December.		Year.	
	Highest.	Date.	Highest.	Date.	Highest.	Date.	Highest.	Date.	Highest.	Date.	Highest.	Date.	Highest.	Date.
	in.		*in.*		*in.*		*in.*		*in.*		*in.*		*in.*	
1	30.45	7	30.28	23	30.44	11	30.42	13	30.47	2	30.30	12	30.86	Feb. 27
4	30.44	7	30.28	23	30.44	11	30.40	12	30.46	2	30.34	12	30.85	Feb. 27
12	30.48	7	30.29	23	30.43	8	30.44	12	30.46	27	30.42	12	30.82	Feb. 28
43	30.51	7	30.30	23	30.44	8	30.46	12	30.47	27	30.47	12	30.79	Feb. 27
45	30.52	7	30.29	23	30.45	8	30.49	13	30.47	27	30.50	12	30.77	Feb. 28
82	30.55	7	30.30	23	30.45	9	30.47	12	30.49	27	30.51	30	30.82	Feb. 27
177	30.50	7	30.24	23	30.42	8	30.43	13	30.44	27	30.53	12	30.72	Feb. 27
104	30.50	7	30.27	23	30.43	8	30.44	13	30.45	27	30.51	12	30.73	Feb. 27
106	30.51	7	30.26	23	30.44	8	30.46	12	30.46	27	30.52	12	30.75	Feb. 27
182	30.51	7	30.24	22,23	30.43	8, 11	. .	. .	30.47	27	30.50	12	. .	. .
129	30.44	7	30.22	23	30.38	8	30.41	12	30.39	27	30.47	12	30.70	Feb. 27
176	30.53	1	30.28	23	30.42	8	30.42	12	30.43	27	30.48	12	30.71	Feb. 28
146	30.51	7	30.24	23	30.45	9	30.44	13	30.45	13	30.52	12	30.65	Jan. 17
163	30.48	6	30.23	23	30.42	8	30.46	13	. .	. .	. .	. .	. .	. .
196	30.52	7	30.28	23	30.43	9, 11	30.46	12	30.47	27	30.52	12	30.76	Feb. 27
201	30.52	7	30.24	23	30.44	9	30.46	13	30.42	13	30.55	12	30.68	Jan. 17
207	30.49	7	30.24	23	30.42	8	30.44	13	30.41	27	30.49	12	30.65	Feb. 27
228	30.51	7	30.24	23	30.41	8	30.46	13	30.43	27	30.55	12	30.67	Feb. 28
229	30.49	7	30.24	23	30.42	8	30.45	13	30.42	27	30.53	12	30.66	J.17, F.27
237	30.50	7	30.23	23	30.44	8	30.45	12,13	30.46	27	30.56	12	30.70	Feb. 27
251	30.55	7	30.27	23	30.45	8	30.44	12	30.49	27	30.55	12	30.77	Feb. 27
255	30.51	7	30.24	23	30.44	9	30.46	13	30.44	27	30.59	12	30.67	Feb. 27
256	30.55	7	30.29	23	30.48	8	30.47	13	30.47	27	30.58	12	30.69	Feb. 28

TABLE V.

MINIMUM PRESSURE AND DATE FOR 1892.

No.	July.		August.		September.		October.		November.		December.		Year.	
	Lowest.	Date.	Lowest.	Date.	Lowest.	Date.	Lowest.	Date.	Lowest.	Date.	Lowest.	Date.	Lowest.	Date.
	in.		*in.*		*in.*		*in.*		*in.*		*in.*		*in.*	
1	29.39	4	29.74	6	29.37	26	29.37	5	29.51	23	29.27	24	28.78	Feb. 12
4	29.48	4	29.75	6	29.32	26	29.39	5	29.48	10	29.32	25	28.63	Feb. 12
12	29.57	3	29.79	6, 12	29.42	26	29.46	4	29.41	5	29.31	25	28.99	Feb. 12
43	29.60	3	29.76	25	29.48	26	29.48	4	29.50	5	29.37	25	29.06	Feb. 12
45	29.53	4	29.75	12	29.45	26	29.47	29	29.48	5	29.35	25	29.06	Feb. 12
82	29.64	3	29.80	9	29.43	26	29.54	4	29.40	18	29.46	25	29.14	Feb. 12
177	29.53	3	29.69	25	29.46	26	29.45	29	29.44	18	29.52	25	29.07	Feb. 12
104	29.49	3	29.73	12	29.44	26	29.46	5	29.49	5	29.38	26	29.00	Feb. 11
106	29.65	3	29.79	12	29.53	26	29.50	5	29.51	5	29.41	25	29.03	Feb. 11
182	29.65	3	29.80	12,25	29.54	26	. .	. .	29.51	5	29.45	25	. .	. .
129	29.60	3	29.73	12	29.50	26	29.49	5	29.52	5	29.44	25	29.12	Feb. 11
176	29.60	3	29.75	12	29.50	26	29.47	4	29.42	5	29.39	25	28.95	Feb. 12
146	29.75	3	29.81	12	29.64	26	29.45	5	29.48	5	29.44	25	29.00	Feb. 11
163	29.67	3	29.77	12	29.48	26	29.46	29	. .	. .	. .	. .	. .	. .
196	29.67	3	29.80	25	29.50	26	29.50	29	29.52	5	29.41	25	29.07	Feb. 11
201	29.73	3	29.80	25	29.60	26	29.47	5	29.60	5	29.45	25	29.12	Feb. 11
207	29.58	3	29.73	26	29.47	26	29.43	5	29.47	5	29.37	25	28.99	Feb. 11
228	29.68	3	29.75	25	29.56	26	29.54	4	29.60	16	29.46	25	29.18	Feb. 11
229	29.70	3	29.76	12	29.57	26	29.49	5	29.59	5	29.47	25	29.14	Feb. 11
237	29.70	3	29.78	12,25	29.57	26	29.52	29	29.63	5	29.49	25	29.15	Feb. 11
251	29.58	3	29.73	25	29.58	26	29.53	4	29.58	18	29.45	25	29.23	Feb. 11
255	29.70	3	29.76	25	29.61	26	29.59	29	29.62	16	29.54	25	29.26	Feb. 11
256	29.78	3	29.82	25	29.67	26	29.60	4	29.66	16	29.55	25	29.23	Feb. 11

TABLE VI.

MONTHLY TEMPERATURE NORMALS AND DEPARTURES FOR 1892.

No.	Station.	No. of Years.	January.		February.		March.		April.		May.	
			Mean.	Dep.	Mean.	Dep.	Mean.	Dep.	Mean.	Dep.	Mean.	Dep.
			°	°	°	°	°	°	°	°	°	°
1	St. John, N.B.	32	18.8	+5.8	20.8	+2.5	27.5	+0.1	37.3	+2.5	46.6	—0.4
3	Belfast, Me.	33	19.3	+3.5	23.0	+1.2	30.2	—1.4	42.5	+2.6	53.7	—2.3
4	Eastport	20	20.5	+4.5	22.2	+2.2	28.5	—0.1	38.4	+3.6	47.3	—0.3
10	Orono	24	16.1	+5.9	19.2	+3.6	27.3	+0.8	40.2	+2.6	52.5	+0.2
12	Portland	21	22.9	+0.7	25.6	—0.8	31.6	—2.1	43.3	+0.3	53.9	—2.5
37	Concord, N.H.	23	21.7	+0.9	19.9	+5.5	30.9	—1.2	44.8	+1.0	57.0	—3.2
39	Hanover	22	16.9	+4.6	19.1	+3.9	26.9	+0.9	41.4	+0.9	55.5	—2.8
83	Strafford, Vt.	17	16.8	+2.3	19.1	+2.0	26.2	—2.1	41.3	—0.3	55.9	—7.7
101	Amherst, Mass. . . .	55	23.6	+1.6	24.9	+2.4	32.6	—1.1	45.3	+1.6	57.0	—0.9
106	Boston	22	27.0	+1.3	28.1	+0.3	33.8	—0.9	44.6	+3.8	56.2	—0.3
108	Cambridge	70	25.0	+3.2	26.2	+2.1	33.8	—1.2	44.4	+3.7	56.1	—0.5
120	Fitchburg	35	22.6	+1.5	24.3	+0.8	30.4	—1.5	42.7	+2.5	55.6	+2.7
147	New Bedford	80	28.4	+1.2	29.0	+0.3	34.8	—2.5	44.5	—0.4	54.6	—1.9
161	Springfield	25	25.1	+1.3	26.2	+2.6	32.8	+0.2	46.4	+2.1	59.2	—1.4
201	Block Island, R.I. . .	12	31.6	+0.8	32.1	0.0	34.4	—1.1	43.9	+0.3	52.3	—0.5
207	Providence	61	27.0	+2.9	27.8	+2.0	34.0	—0.8	45.5	+2.6	56.3	+0.3
228	New Haven, Conn. . .	106	26.8	+0.2	28.3	+2.9	35.7	—2.9	46.8	+0.2	57.3	—1.2
229	New London	22	29.0	—0.2	30.0	+1.2	35.1	—2.1	45.8	+0.2	56.4	—1.8
235	Waterbury	17	25.3	—1.1	27.6	—0.2	33.0	—4.0	46.2	—2.5	57.7	—1.1
251	Albany, N.Y.	19	23.2	+0.3	24.4	+1.6	31.2	—1.9	43.5	+2.6	63.2	—6.5
255	New York	22	30.5	+0.1	32.2	+0.9	37.0	—2.4	48.6	+1.3	59.9	—0.4
	Mean for New England.		23.5	+2.0	25.2	+1.8	31.7	—1.3	43.8	+1.3	55.3	—1.4
	Mean for Maine.		19.7	+3.6	22.5	+1.6	29.4	—0.7	41.1	+2.3	51.8	—1.2
	Mean for Massachusetts.		25.3	+1.7	26.4	+1.4	33.0	—1.2	44.6	+2.2	56.4	—0.4
	Mean for Connecticut.		25.6	+0.7	28.0	+1.6	33.7	—2.7	45.8	—0.4	56.8	—1.4

Notes.—(4) Eastport: January, February, March, October and November, mean for 19 years.

(83) Strafford: January and February, mean for 17 years.

(120) Fitchburg (*a*): January, mean for 35 years.

(147) New Bedford (*a*): October to December, mean for 81 years.

TABLE VI.

MONTHLY TEMPERATURE NORMALS AND DEPARTURES FOR 1892.

No.	June.		July.		August.		September.		October.		November.		December.		Year.	
	Mean.	Dep.	Mean.	Dep.	Mean.	Dep.	Mean.	Dep.	Mean.	Dep.	Mean.	Dep.	Mean.	Dep.	Mean.	Dep.
	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
1	55.6	+0.5	59.9	+1.2	59.6	+2.1	54.8	+1.4	45.6	—0.4	35.4	+2.0	23.1	—0.2	40.4	+0.9
3	62.7	−0.3	67.5	+2.4	65.9	—0.4	58.4	+0.1	47.3	—0.8	36.2	+0.1	25.1	—2.4	44.3	+0.2
4	55.3	+1.0	60.4	+1.8	60.6	+1.3	55.8	+1.4	46.6	—0.6	36.5	+2.2	25.5	—1.7	41.5	+1.3
10	62.4	+0.9	67.4	+1.1	65.5	+0.8	57.5	—0.1	45.8	—0.7	34.1	+2.6	21.6	—0.4	42.5	+1.4
12	63.5	+0.1	68.6	+0.2	66.9	—0.6	59.9	—0.7	49.2	—1.2	38.1	—0.9	28.6	—3.7	46.0	—0.9
37	65.4	+2.8	70.0	—0.5	69.4	—2.0	60.8	—1.8	49.4	—1.5	37.6	—2.2	26.8	—5.8	46.1	—0.7
39	65.2	+2.7	69.3	—1.9	66.1	—0.2	57.6	—0.9	45.8	+0.6	33.0	+2.1	21.6	—1.1	43.2	+0.7
83	65.4	—0.9	68.9	—0.4	67.4	—2.0	59.2	—3.2	46.5	—1.2	34.1	—1.8	21.9	—2.7	43.6	—1.5
101	66.2	+2.4	70.5	—0.5	68.2	—0.3	60.2	—1.2	48.7	—0.1	38.3	+0.4	27.1	+0.5	46.9	+0.4
106	66.0	+3.6	71.1	+1.9	69.2	+1.0	62.3	+0.2	51.6	+1.1	40.5	+0.7	31.0	—1.1	48.4	+1.0
108	66.6	+3.4	71.7	+0.9	69.5	—0.1	61.8	0.0	50.2	+1.2	39.2	+1.4	29.3	—1.6	47.8	+1.0
120	65.7	+3.2	70.2	+0.8	67.7	—0.3	59.7	—1.2	47.9	—0.3	36.6	—0.3	29.0	—3.6	46.0	+0.4
147	64.0	+0.8	68.2	+0.8	68.3	—0.7	59.4	+1.0	51.9	—2.2	41.8	—1.6	32.0	—3.8	48.1	—0.8
161	68.7	+2.8	73.2	+1.0	70.5	+0.9	62.9	—0.3	50.7	+0.4	38.8	+0.5	28.4	—0.8	48.6	+0.8
201	62.1	+0.2	68.1	+0.5	68.1	+1.0	63.5	—0.9	53.9	—0.4	45.1	—1.9	36.3	—3.9	49.3	—0.5
207	66.1	+4.7	71.5	+2.4	69.5	+1.7	62.3	+0.7	51.2	+0.5	40.1	+1.4	30.0	—0.1	48.4	+1.5
228	67.0	+0.1	71.7	—0.1	70.2	+0.5	62.7	—1.0	51.4	+1.0	40.5	—0.3	30.8	—2.1	49.1	—0.2
229	65.6	+1.0	70.8	0.0	69.8	+0.2	63.3	—1.7	53.0	—0.8	41.9	—0.7	32.6	—3.5	49.4	—0.7
235	67.6	+2.3	69.6	+1.8	69.5	+0.6	62.8	—1.5	51.5	—0.2	40.0	+0.1	29.3	—1.1	48.3	—0.6
251	68.3	+2.9	72.2	+0.8	71.3	+0.2	63.5	—1.1	51.0	0.0	38.7	—0.2	28.6	—2.4	48.3	—0.3
255	68.3	+3.7	73.8	+1.0	71.7	+2.2	66.1	—0.1	56.0	—0.6	45.7	—3.1	35.8	—4.8	52.1	—0.2
M	64.8	+1.7	69.4	+0.6	67.9	+0.1	60.6	—0.7	49.6	—0.3	38.5	—0.3	28.2	—2.2	46.5	+0.2
M′	61.0	+0.4	66.0	+1.4	64.7	+0.3	57.9	+0.2	47.2	—0.8	36.2	+1.0	25.2	—2.0	43.6	+0.5
M″	66.2	+2.7	70.8	+0.8	68.9	+0.1	61.0	—0.2	50.2	0.0	39.2	+0.2	29.5	—1.7	47.6	+0.5
M‴	66.4	+1.2	70.5	+0.2	69.2	+0.2	62.6	—1.8	51.3	—0.2	40.2	—0.5	30.2	—2.5	48.3	—0.5

(161) Springfield: mean for 25 years.

(201) Block Island: September to December, mean for 13 years.

TABLE VII.

MONTHLY PRECIPITATION NORMALS AND DEPARTURES FOR 1892.

No.	Station.	No. of Years.	January.		February.		March.		April.		May.	
			Mean.	Dep.	Mean.	Dep.	Mean.	Dep.	Mean.	Dep.	Mean.	Dep.
			in.	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*
1	St. John, N.B.	32	5.12	+3.24	4.74	—3.57	4.92	+1.44	3.56	—1.30	4.28	—1.21
4	Eastport, Me.	19	4.21	+1.55	3.97	—2.09	5.00	—1.40	3.13	—1.62	4.00	—1.83
8	Lewiston	18	4.33	+1.19	4.29	—2.08	4.79	—2.27	3.20	—2.15	3.44	+1.18
10	Orono	24	4.18	+0.62	4.02	—2.06	4.23	—1.71	2.83	—1.71	3.51	—0.59
12	Portland	21	3.77	+0.45	3.59	—1.41	3.40	—1.13	2.89	—1.85	3.28	+1.13
37	Concord, N.H.	35	3.22	+0.76	2.76	—1.06	3.16	—1.16	2.81	—2.05	3.22	+3.02
39	Hanover	22	2.73	+0.64	2.11	—0.70	2.24	—0.84	1.60	—0.67	2.71	+3.55
83	Strafford, Vt.	17	3.60	+0.60	3.00	—1 50	3.38	—1.88	2.23	—1.18	3.54	+3.46
101	Amherst, Mass.	57	3.46	+1.95	3.16	—1.35	3.42	—1.11	3.09	—2.42	3.93	+2.03
106	Boston	22	4.16	+0.46	3.50	—1.35	4.36	—0.45	3.39	—2.46	3.56	+1.59
108	Cambridge	51	4.17	+0.13	3.52	—1.82	3.86	—0.96	3.59	—2.79	3.66	+1.69
110	Chestnut Hill	20	4.46	—0.01	3.67	—0.89	4.26	—0.31	3.54	—2.79	3.54	+2.54
122	Framingham	18	4.39	+1.61	3.95	—0.75	4.66	—0.65	3.19	—2.34	3.26	+2.31
127	Lake Cochituate	41	3.90	+0.88	3.60	—0.80	4.25	—0.13	3.90	—3.12	3.91	+1.55
133	Lowell	38	4.19	+1.19	3.59	—0.85	4.27	—1.02	3.63	—3.00	3.66	+2.20
134	Ludlow	16	4.05	+2.55	3.57	—1.42	3.95	—1.10	2.53	—1.68	3.34	+3.39
135	Lynn	20	4.28	+0.58	3.80	—1.37	4.52	—1.13	3.40	—2.75	3.40	+2.13
143	Mystic Lake	17	4.29	+0.25	3.89	—0.89	4.48	—0.23	3.13	—2.24	3.42	+2.43
147	New Bedford	79	3.86	+0.62	3.81	—1.47	4.23	+1.55	3.93	—1.62	4.01	+1.45
149	Newburyport	13	5.16	—0.46	4.38	—1.71	4.21	—0.56	2.83	—2.23	3.91	+1.80
161	Springfield	45	3.57	+1.42	3.50	—1.36	3.67	—1.38	3.20	—2.56	4.14	+2.82
166	Waltham	67	3.17	+1.95	2.74	—0.03	3.55	+0.04	3.68	—2.80	3.63	+2.18
201	Block Island, R.I.	12	4.62	—0.43	4.58	—3.23	3.97	+0.96	2.95	—0.16	3.84	+0.43
203	Lonsdale	12	5.41	—0.44	4.65	—3.38	4.28	—0.22	3.13	—1.75	4.08	+2.04
207	Providence	61	4.02	+1.13	3.62	—1.90	4.06	+0.39	3.64	—2.25	3.66	+2.41
221	Canton, Conn.	31	3.92	+1.14	3.78	—2.27	4.15	—1.42	3.34	—2.66	4.40	+2.40
224	Hartford	21	4.56	+2.11	3.79	—2.51	4.18	—0.30	3.04	—2.21	3.42	+2.23
228	New Haven	20	4.39	+1.00	4.16	—2.60	4.66	—1.59	3.57	—2.26	3.54	+1.57
229	New London	22	4.45	+0.37	4.00	—2.29	4.86	—0.53	3.70	—1.84	3.50	+0.57
234	Wallingford	34	4.65	+1.76	4.23	—2.51	4.72	—1.13	3.61	—2.47	4.43	+0.14
251	Albany, N.Y.	19	3.07	+1.01	3.18	—1.05	2.81	—1.17	2.36	—1.80	3.07	+2.23
252	Boyd's Corner	26	4.17	+1.78	3.86	—2.64	3.96	—0.04	3.36	—2.28	3.72	+2.02
255	New York	20	3.89	+1.72	3.76	—2.49	4.10	+0.52	3.40	—1.04	3.05	+1.25
	Mean for New England.		4.11	+0.88	3.70	—1.64	4.09	—0.75	3.20	—2.13	3.65	+1.79
	Mean for Maine.		4.12	+0.95	3.97	—1.91	4.33	—1.63	3.01	—1.83	3.56	—0.03
	Mean for Massachusetts.		4.08	+0.94	3.62	—1.15	4.12	—0.53	3.36	—2.49	3.67	+2.15
	Mean for Connecticut.		4.39	+1.28	3.99	—2.44	4.51	—0.99	3.45	—2.29	3.86	+1.38

Notes.— (4) Eastport: January, February, March, October, November, mean for 19 years.
(37) Concord: June and August, mean for 37 years; September to December, 35 years.
(39) Hanover: January, mean for 44 years; February to April, 46 years; May to July, 49 years; August, 45 years; September to December, 22 years.
(83) Strafford: January and February, mean for 17 years.
(101) Amherst (*a*): August to December, mean for 58 years.
(108) Cambridge (*a*): October to December, mean for 52 years.
(134) Ludlow: January, mean for 15 years.

TABLE VII.

MONTHLY PRECIPITATION NORMALS AND DEPARTURES FOR 1892.

JUNE.		JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.		YEAR.	
Mean	Dep.	Mean	Dep.	Mean	Dep.	Mean	Dep.	Mean	Dep.	Mean	Dep.	Mean	Dep.	Total	Dep.
in.	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in*	*in.*	*in.*
3.33	+1.70	3.85	—1.99	3.98	+4.42	3.89	—2.59	4.72	—3.08	5.59	+1.44	4.72	—2.99	52.70	—4.49
3.73	—0.19	4.13	—2.92	3.50	+1.14	3.39	—2.18	4.44	—2.95	4.39	—1.22	4.03	—2.01	47.95	—15.75
3.88	+3.34	3.84	—0.66	3.65	+4.46	3.64	+0.84	4.03	—2.22	4.65	—0.11	4.39	—2.90	48.04	—1.38
3.50	+2.46	3.34	—1.35	3.68	+2.73	3.45	+0.31	4.31	—2.52	4.39	+0.08	3.99	—1.73	45.43	—6.57
3.47	+1.13	3.72	—1.04	3.67	+4.47	3.17	—0.28	3.90	—2.26	4.08	—0.32	3.52	—1.20	42.46	—3.31
3.29	—0.29	3.90	—1.40	3.70	+5.30	3.48	—1.50	3.87	—1.58	3.50	+0.83	2.91	—1.87	39.72	—1.90
3.37	+4.05	3.75	—1.82	3.50	+2.75	2.72	—1.00	2.58	—1.04	2.88	—0.35	2.38	—1.42	32.57	+3.15
3.69	+4.17	4.17	—3.26	3.87	+0.63	3.44	—1.89	3.16	—1.26	3.65	—0.30	3.08	—1.53	40.61	—3.74
3.75	—0.93	4.56	0.00	4.39	+0.75	3.42	—2.60	3.77	—3.31	3.81	+0.87	3.52	—2.82	44.26	—8.92
3.27	—0.22	3.53	—0.97	4.43	+0.44	3 06	—1.16	4.11	—1.80	4.59	—0.14	3.35	—2.23	45.41	- `.38
3.06	+0.66	3.42	—2.18	4.65	+2.00	3.56	—1.38	3.51	—1.75	3.91	+0.77	3.64	—2.41	44.55	—8.04
3.06	+0.83	3.66	—0.31	4.38	+1.54	3.17	—1.01	4.03	—1.64	4.46	+0.80	3.27	—1.98	45.50	—3.23
2.87	—0.12	3.61	+0.61	4.20	+0.28	3.07	—0.48	4.19	—2.91	4.13	+1.68	3.53	—2.39	45.05	—3.15
3.31	—0.08	4.21	—0.74	4.91	—1.12	3.57	—0.70	4.22	—2.80	4.46	+0.68	3.53	—2.35	47.77	—8.73
3.41	+1.03	3.84	—1.52	4.64	—0.33	3.21	—1.24	3.73	—2.35	3.86	+1.97	3.69	—2.58	45.72	—6.50
3.75	—0.08	4.71	+1.21	4.03	+2.19	3.41	—1.61	3.45	—2.65	3.58	+2.24	3.40	—1.25	43.77	+1.79
2.99	+0.57	3.62	—2.00	4.60	+2.35	3.17	—1.52	4.01	—1.59	4.21	+0.87	3.24	—1.62	45.24	—5.38
3.06	+1.04	3.97	—1.43	3.99	+1.06	3.03	—0.90	3.91	—1.80	4.06	+1.10	3.24	—2.03	44.47	—3.64
3.16	—0.93	3.33	—1.61	4.26	+0.32	3.52	+0.13	3.89	—2.03	4.32	+2.46	4.07	—2.37	46.39	—3.50
3.09	+1.77	3.48	—2.11	3.60	+0.41	3.01	—1.07	3.73	—2.41	3.95	+1.55	3.75	—2.82	45.10	—7.84
3.80	+0.63	4.56	+2.61	4.56	+2.02	3.51	—1.62	4.13	—3.16	3.86	+2.28	3.50	—2.41	46.00	—0.71
3.17	+0.81	3.75	—1.06	4.50	—0.38	3.35	—1.03	3.77	—2.19	4.07	+1.87	3.03	—2.10	42.34	—2.60
2.90	—1.47	3.04	—0.59	3.22	+2.49	3.12	—1.31	4.41	—2.29	4.18	+4.13	3.57	—1.83	44.40	—0.34
3.27	—0.05	3.25	—1.39	4.43	+0.58	3.27	—1.44	4.28	—2.79	3.84	+1.78	3.82	—2.51	47.71	—8.78
3.28	—0.39	3.25	—1.39	4.26	—1.19	3.12	—1.31	3.65	—2.29	4.16	+1.96	3.86	—2.36	44.58	—7.19
4.68	—1.20	4.71	+0.26	5.12	+3.01	3.79	—1.26	4.84	—3.74	3.86	+2.63	3.70	—2.22	50.29	—5.30
2.91	—1.13	4.64	—1.25	4.65	+0.86	3.20	—1.30	3.60	—2.32	3.69	+2.02	3.78	—2.56	45.46	—6.36
3.15	—0.79	5.27	—0.94	5.50	—0.51	3.91	—2.37	3.90	—2.95	3.95	+1.51	3 52	—1.80	49.52	—11.74
3.35	—0.89	4.19	—1.62	4.92	—1.47	3.50	—1.46	4.36	—3.38	4.13	+0.66	3.44	—1.77	48.40	—13.65
3.67	—1.68	4.33	—0.86	5.08	—1.34	3.65	—1.49	4.08	—3.16	4.00	+2.28	4.17	—2.28	50.62	—12.74
3.79	+0.62	3.87	+0.35	3.86	+2.84	3.21	—1.13	3.27	—2.67	3.05	—0.76	2.83	—2.01	38.37	—3.54
3.74	+0.10	4.64	+0.41	4.97	+1.16	4.16	—1.51	4.15	—3.23	4 02	+3.83	3.80	—2.65	48.58	—3.05
3.41	—0.45	4.57	—2.12	4.75	—0.85	3.76	—2.89	3.46	—2.83	3.69	+4.59	3.23	—1.59	45.07	—6.18
3.38	+0.42	3.92	—1.03	4.27	+1.22	3.34	—1.17	3.93	—2.38	4.02	+1.19	3.55	—2.15	45.16	—5.75
3.64	+1.68	3.76	—1.49	3.62	+3.20	3.41	—0.33	4.17	—2.49	4.38	—0.39	3.98	—2.21	45.85	—6.48
3.27	+0.36	3.88	—0.68	4.37	+0.82	3.29	—1.16	3.89	—2.31	4.09	+1.36	3.48	—2.24	45.12	—4.87
3.55	—1.14	4.63	—0.88	5.05	+0.11	3.61	—1.58	4.16	—3.11	3.93	+1.82	3.72	—2.13	48.85	—9.97

(135) Lynn: July to December, mean for 21 years.
(147) New Bedford (*a*): October to December, mean for 80 years.
(149) Newburyport (*a*): January to May, mean for 13 years.
(166) Waltham: January, mean for 66 years; February, 63 years; August and December, 67 years.
(201) Block Island: September to December, mean for 13 years.
(234) Wallingford: April to July, mean for 35 years.

TABLE VIII.

MAXIMUM WIND VELOCITY AND TOTAL WIND MOVEMENT FOR 1892.

No.	Station.	January.		February.		March.		April.		May.		June.	
		Max. Vel.	Total Mov'm't.	Max. Vel.	Total Mov'm't.	Max. Vel.	Total Mov'm't.	Max. Vel.	Total Mov'm't.	Max. Vel.	Total Mov'm't.	Max. Vel.	Total Mov'm't.
		m.	*m.*	*m.*	*m.*	*m.*	*m.*	*m.*	*m.*	*m.*	*m.*	*m.*	*m.*
1	St. John, N.B. . .	31	6931	42	5968	41	8355	24	5962	26	6502	23	4763
4	Eastport, Me. . .	48	9227	60	9821	42	10179	30	6235	38	7957	39	4940
12	Portland.	44	6706	45	5521	38	8092	30	6237	38	7183	28	5910
43	Manchester, N.H.	29	4315	24	3537	32	6702	30	4911	25	4552	28	3179
45	Nashua.	29	3676	22	1781	33	6050	32	4596	28	4148	26	2936
71	Brattleboro, Vt. .	38	7468	38	6198	50	11693	48	10131	36	8923	36	6657
82	Northfield	40	6209	32	5117	40	7338	48	8023	40	7168	36	6181
177	Amherst, Mass. .	46	5059	48	3438	64	2273	58	5370	56	5056	64	4500
104	Blue Hill	66	16048	47	13815	61	18115	48	13680	45	13620	45	12125
106	Boston	40	9928	32	8090	48	11803	36	8970	42	9242	38	8608
146	Nantucket	47	10795	49	10228	52	12491	44	8632	40	9301	35	7915
201	Block Island, R.I	65	15485	64	14235	77	16175	54	11652	58	11885	46	11212
207	Providence. . . .	38	7260	23	6122	28	8673	28	6568	23	6526	19	5701
228	New Haven, Conn.	39	7300	29	6644	42	8687	34	6356	28	6100	27	5633
229	New London . . .	46	6795	30	5878	38	7705	36	5672	32	6071	32	5202
251	Albany, N. Y. . .	36	5063	30	4935	42	7551	31	6702	42	6197	28	6036
255	New York	49	9621	36	9571	40	10861	39	8107	35	7864	30	7011
	Mean		8111		7112		9573		7518		7547		6383

TABLE VIII.

MAXIMUM WIND VELOCITY AND TOTAL WIND MOVEMENT FOR 1892.

No.	July.		August.		September.		October.		November.		December.		Year.	
	Max. Vel.	Total Mov'm't.	Max. Vel.	Total Mov'm't.	Max. Vel.	Total Mov'm't.	Max. Vel.	Total Mov'm't.	Max. Vel.	Total Mov'm't.	Max. Vel.	Total Mov'm t.	Max. Vel.	Total Mov'm't.
	m.	*m.*	*m.*	*m.*	*m.*	*m.*	*m.*	*m.*	*m.*	*m.*	*m.*	*m.*	*m.*	*m.*
1	24	4997	16	3878	23	5171	24	6340	28	6417	22	5772	42	71056
4	29	5076	36	4911	28	5442	30	6778	42	9508	28	8101	60	88175
12	30	5621	26	5351	30	5762	28	5805	44	6546	24	5395	45	74129
43	27	2695	18	2750	27	3078	26	3733	24	4763	25	4616	32	48831
45	23	2334	17	2829	28	3397	20	3850	26	4126	24	4174	33	43897
71	30	7467	35	5898	35	7121	32	7689	35	8005	51	7928	50	95178
82	45	5507	48	4798	33	5754	42	6068	52	6581	42	6011	48	74755
177	48	3365	39	3390	56	3672	50	4071	56	5231	52	4522	64	49947
104	43	10561	44	10696	49	11897	43	13757	63	14516	48	13930	66	162760
106	34	7117	36	7427	36	7723	31	8273	42	9049	35	8958	48	105188
146	28	6751	38	7171	36	7176	36	8683	48	10144	48	9607	52	108894
201	44	9582	48	9177	48	9628	42	11788	70	14157	50	12920	77	147896
207	23	4623	20	4868	24	4776	23	5243	36	6562	23	5738	38	72660
228	36	4923	36	4889	36	5124	29	5603	36	6227	28	5818	42	73304
229	30	4405	23	4255	41	4956	28	5162	42	6325	40	5171	46	67597
251	27	4726	26	4516	35	4613	30	4985	52	5933	40	5016	52	66273
255	40	5461	28	5164	36	6300	34	7826	40	8997	38	8273	49	95056
M		5601		5410		5976		6803		7776		7162		85035