lar result was obtained, and it was also found that 75 per cent. of the impurities were brought down with the first half of the snowfall. A second analysis on January 30 of snow that fell at Somerset House, nearer the center of London, gave 17.32 grains of solid matter to the gallon, of which 6.25 were mineral and 11.07 carbonaceous or sooty matter. A large quantity of ammonia was also found in this snow water, showing its great value as a fertilizer.

Professor Stokes has shown that a particle of water, such as would surround a dust particle, and convert it into a globule of fog, will descend in still air at the rate of 40 millimeters, or about 1.6 inches per second, if it has a diameter of about 0.025 mm., or about 0.001 of an inch. Hence a particle whose diameter is 0.01-mm., corresponding to Professor Whitney's finest silt, or loess, would descend at the rate of 6.4 mm., or rather more than one-quarter of an inch per second, and a particle 0.0001 mm. in diameter, corresponding to his finest clay, would descend at the rate of 0.00064 mm. per second, or 0.1 of an inch per hour in still air.

The special interest that attaches to this present duststorm consists in its bearing on the question of the formation of our agricultural soils, and especially the so-called "loess," which is the lightest and finest of all. Large tracts of loess exist in Nebraska, Kansas, Iowa, and southward to the Gulf; in some places its depth amounts to a hundred feet or more. This light soil is easily raised and carried by the strong winds of our western plains; instances have occurred in which 6 inches of surface soil has been blown away from freshly cultivated fields in the course of a single windstorm. The dust that was caught on January 12 between two layers of snow in Indiana, probably did not differ in any material respect from that which is daily present in the atmosphere of that region, but its presence on top of the snow rendered it easy to gather the dustfall without contamination with the soil already existing. Those who wish to gather and examine the dust in the atmosphere may do so at any time by exposing a plate covered with a thin layer of glycerine in such a way that the wind may strike it. The higher this plate is above the ground, or above a valley, the smaller will be the average size of the particles. Dust of some form is always present in the atmosphere up to the tops of the highest mountains, and is a very important item in the matter of the formation of rain and in the radiation and absorption of heat. If the air had no ascending movements the very finest dust would eventually settle to the ground, although the finer particles would require weeks and months to do so; but, on account of the ascent and descent of the air, only the heavier particles fall to the ground by their weight; the finer ones are brought down from the lower atmosphere in connection with snow and rain; the finest of all undoubtedly float for many months in the very highest portions of the atmosphere, but eventually descend with fog, rain, or snow.

It might be thought that as the surface winds carry the lighter soils to greater distances in proportion to the fineness of the particles, therefore the finest particles would be found preponderating in the surface soil at great distances from those regions in Colorado, Wyoming, Nebraska, and Dakota, where the strong winds first begin to raise the clouds of dust. But Prof. Milton Whitney states that it has not as yet been demonstrated that the texture of the loess soils becomes finer and finer as we proceed from north to south, and the reason for this undoubtedly is that the regular geographical distribution of the coarse and fine particles, as first deposited by a strong wind, is altered by the action of the next strong wind that blows, so that there is an approximate uniformity throughout the watershed of the Mississippi and Missouri, due to the general action of all strong winds for many centuries. As the finer particles fall in great quantities upon the ocean they form an important item in the flocculent sediments that form at its bottom.

As this dust, or loess, formation, when it has once settled upon the ordinary soils becomes a new ingredient in their composition, those interested in this subject should study the mechanical analysis of soils and their relation to moisture as set forth by Prof. Milton Whitney in Bulletin No. 4 of the Weather Bureau.

METEOROLOGICAL TABLES.

[*Prepared by the Division of Records and Meteorological Data.*]

Table I gives, for about 130 Weather Bureau stations making two observations daily and for about 20 others making only the 8 p. m. observation, the data ordinarily needed for climatological studies, viz, the monthly mean pressure, the monthly means and extremes of temperature, the average conditions as to moisture, cloudiness, movement of the wind, and the departures from normals in the case of pressure, temperature, and precipitation.

The stations are arranged in geographical or climatological divisions, for each of which the mean temperature and average precipitation for the month are also given, together with their departures from normal values.

Generally the headings of the several columns are sufficiently explicit as to the data underneath.

The mean pressure is based on simultaneous observations taken at 8 a. m. and 8 p. m., seventy-fifth meridian (Eastern) time, which time is always understood unless otherwise expressed. Mean values thus computed differ from the mean of the 24 hourly readings by amounts varying from zero to 0.02 of an inch; the departures east of the ninetieth meridian are generally above the mean of 24 hourly readings and those west of that meridian are generally below. A comparison for each individual station can readily be made in connection with the data given in Table V.

The pressures have been reduced to sea level by the empirical method published by Prof. H. A. Hazen in Signal Service Professional Paper No. VI, which, however, has been further modified for a few high-level stations.

The mean temperature of the dew-point and the mean relative humidity are based on daily observations of the whirled psychrometer at 8 a. m. and 8 p. m. The psychrometric tables of Ferrel, as modified by Russell, are used (see Instructions to Weather Bureau Voluntary Observers, 1892), omitting the correction for atmospheric pressure.

The maximum wind velocities given in the table are the velocities as read from the sheets of the anemometer register for any 5-minute period in the twenty-four hours, midnight to midnight. The indications of the Weather Bureau Robinson anemometer can be approximately reduced to true velocities by means of Marvin's tables.

The number of clear and cloudy days and the average cloudiness are based upon numerous personal estimates by the observer during the daytime and do not relate to the nighttime. When these personal estimates give from 0 to 3 cloudiness, on a scale of zero to ten (0–10), the day is classed as clear; 4 to 7, partly cloudy; and 8 to 10, cloudy.

Table II gives, for about 2,400 stations occupied by voluntary observers, the extreme maximum and minimum temperatures, the mean temperature deduced from the average of

all the daily maxima and minima, or other readings, as indicated by the numeral following the name of the station; the total monthly precipitation, and the total depth in inches of any snow that may have fallen. When the spaces in the snow column are left blank it indicates that no snow has fallen, but when it is possible that there may have been snow of which no record has been made, that fact is indicated by leaders, thus (....).

For the sake of uniformity the monthly mean temperature has been deduced from readings of self-registering maximum and minimum thermometers whenever practicable. Formerly the means obtained by the use of observations at 7 a. m., 2 and 9 p. m. were printed in this table, whenever given, in preference to those deduced from the daily extremes.

These stations are arranged alphabetically by States, and their reports are generally received through the cooperation of the respective State Weather Services. The voluntary stations in the Republic of Mexico and those in the West Indies are included in this list for convenience of tabulation.

Table III gives, for about 30 Canadian stations, the mean pressure, mean temperature, total precipitation, prevailing wind, and the respective departures from normal values. Reports from Newfoundland and Bermuda are included in this table for convenience of tabulation.

The mean pressures and temperatures here given are based upon observations made simultaneously for telegraphic purposes at 8 a. m. and 8 p. m.; the pressures have been reduced to sea level by the Weather Bureau method and, therefore, differ slightly from those reduced by the method employed by the Canadian Meteorological Service.

Table IV gives, for 82 stations, the mean hourly temperatures deduced from thermographs of the well-known pattern manufactured by Richard Bros., Paris, described and figured in the Report of the Chief of the Weather Bureau, 1891–'92, p. 29. These instruments are placed in the standard shelter with other thermometers, and are checked twice daily, for time errors and for agreement with the standard whirled thermometer.

In transcribing the hourly values, the readings of the dry-bulb thermometer of the whirled psychrometer at 8 a. m. and 8 p. m. are adopted as the standard of reference, and these standard readings are given in the appropriate columns of Table IV. Corrections for intermediate hours, interpolated from the known differences at 8 a. m. and 8 p. m. and at other hours when special check observations are made, are applied to the curve throughout the twenty-four hours, thus making it conform as closely as practicable to the indications of the standard mercurial thermometer. The averages given in this table are, therefore, those of the standard dry thermometer at 8 a. m. and 8 p. m., and the corrected thermograph readings for intermediate hours.

In general, the magnitude of the corrections applied is about 1° Fahrenheit, although a number of instruments accord with the standard dry thermometer within less than a degree.

As has been noted elsewhere, the greatest differences are those between the daily extremes registered by thermographs and by standard self-registering maximum and minimum thermometers, respectively.

Table V gives, for 67 stations, the mean hourly pressures as automatically registered by barographs of the pattern manufactured by Richard Bros., Paris, except for Washington, D. C., where Foreman's barograph is in use. Both instruments are described in the Report of the Chief of the Weather Bureau, 1891–'92, pp. 26 and 30.

The readings of the mercurial barometer at 8 a. m. and 8 p. m., corrected for temperature and instrumental error, are used as a means of checking and correcting the barograph curve, in the same manner as described in the table of temperature means, and are those given in this table

The corrections applied to the individual hourly barograph readings vary in magnitude. The average is about 0.02 of an inch, while in extreme cases it may be 0.06 or 0.08 of an inch, depending somewhat on the individual skill of the observer in keeping the instrument in adjustment and at uniform temperature.

The means have not been reduced to sea level, neither has a correction been applied to the mercurial barometer readings at 8 a. m. and 8 p. m. to reduce to standard gravity.

Although the mean pressures are given in this table to the nearest thousandth of an inch, yet it is probable that these figures still need appreciable systematic corrections, therefore, as in the case of so many similar European series, caution should be exercised in using them for the investigation of diurnal periodicities of pressure. The adopted process of reduction to the standard mercurial barometer prevents the accumulation of any progressive error, whether due to the time scale or to the vacuum box, but does not inform us of any periodic errors that may have occurred within the 12-hour periods. On this latter point we have only the little knowledge that is given to us by a general investigation into the effect of temperature on these aneroids; Professor Marvin's experiments have shown that, although the manufacturer has attempted a compensation for temperature (presumably by introducing some air into the vacuum box), yet this result has not always been perfectly satisfactory. Several aneroids have been found to show higher pressures when the instrumental temperature rises, while others do the reverse. In a number of cases a rise of 10° F., in the instrumental temperature produces a fall of 0.010 or 0.015 of an inch in the recorded pressure.

In general, it is safe to assume that any one of the Richard barographs at Weather Bureau stations is liable to a temperature correction of this amount, although the average of several instruments would undoubtedly be much smaller. Since the highest temperature, and, therefore, the largest plus or minus correction for temperature, generally occurs some time after the 8 a. m. reading, and *vice versa*, the lowest temperature with the largest minus or plus correction occurs before the 8 a. m. reading, therefore, there is introduced into every daily barograph record an error that will be either positive between 8 p. m. and 8 a. m., and negative between 8 a. m. and 8 p. m., or *vice versa*. The average amount of the maximum value of this error for a month, varying as it does with the temperature of the room in which the aneroid is kept, may easily amount in the winter season to 0.02 of an inch, but when station barometers are located in large buildings of uniform temperature the average will be less. It is evident, therefore, that these hourly means can not be used for determining by the harmonic analysis the shorter and smaller periodicities, although they sometimes give the semi-amplitude of the principal simple daily component to within 0.01 of an inch, or less. To this extent, therefore, these may be cautiously used in the study of both the geographical and chronological distribution of this first component, a study whose importance undoubtedly warrants the preparation and publication of this table from month to month.

Table VI gives, for 136 stations, the arithmetical means of the hourly movements of the wind ending with the respective hours, as registered automatically by the Robinson anemometer, in conjunction with an electrical recording mechanism, described and illustrated in the Report of the Chief of the Weather Bureau, 1891–'92, p. 19. No corrections have been applied to reduce the registered velocities to true velocities.

In studying the diurnal variations of wind movement, the following facts should be kept in mind. In graduating the dials of the various sizes of Robinson anemometers, it is assumed that the centers of the cups move only one-third as fast as the wind, although numerous experiments have demonstrated that cups and arms of various proportions require different formulæ and tables of reduction even in perfectly steady motion. Professor Marvin has further shown that for ordinary gusty winds, when the anemometer cups rapidly vary their rate of rotation, the moment of inertia of the revolving parts is a most important factor. The instruments having the least inertia record most truly, and those having larger inertia exceed these in proportion as the gusts are stronger, consequently, the anemometer records are liable to be too large in the gusty winds of the daytime as compared with the more steady winds of nighttime. No correction for this inertia error has been determined, nor can be, unless we have simultaneous records with two anemometers having different moments of inertia; therefore, the apparent diurnal variations of wind velocity include a slight inertia error which is probably periodic in character, having its maximum in the daytime and its minimum at night.

While we must regard the gustiness of the ordinary wind, that is, its sudden and momentary fluctuations of velocity, as highly variable, yet in practical anemometry we can not do more than make an average allowance for its effects upon the apparatus.

For the ordinary gusty winds of the free atmosphere Professor Marvin adopts the following equation expressing the relation between the motion of the cups and the velocity of the wind at any moment:

$$\text{Log. } V = 0.509 + 0.9012 \log. v;$$

where V is velocity of wind in miles per hour and v is the linear velocity (also in miles per hour) of the cup centers. This equation applies strictly to anemometers that have 4-inch hemispherical brass cups on arms 6.72 inches long, whose revolving parts weigh about 590 grams (22 ounces) and have a moment of inertia of about 50,000 C. G. S. units.

This equation has been deduced from comparative observations in the open air of anemometers whose behavior in steady velocities on the whirling machine had been previously studied. The recognition thus given to the important effects of inertia enables us to say that by applying this formula, or the following equivalent table, we partly annul the influence of the inertia of the brass anemometers used by the Weather Bureau.

The following table gives the corrected velocities corresponding to observed velocities up to 90 miles per hour. The tabular values corresponding to indicated velocities greater than 60 miles per hour are uncertain, as direct experiments were not made at velocities above this limit:

Wind velocities, as indicated by Weather Bureau anemometer, converted to true velocities (in miles per hour).

Indicated velocity.	0	1	2	3	4	5	6	7	8	9
0	.....	.....	.....	.....	.....	5.1	6.0	6.9	7.8	8.7
10	9.6	10.4	11.3	12.1	12.9	13.8	14.6	15.4	16.3	17.0
20	17.8	18.6	19.4	20.2	21.0	21.8	22.6	23.4	24.2	24.9
30	25.7	26.5	27.3	28.0	28.8	29.6	30.3	31.1	31.8	32.6
40	33.3	34.1	34.8	35.6	36.3	37.1	37.8	38.5	39.3	40.0
50	40.8	41.5	42.2	43.0	43.7	44.4	45.1	45.9	46.6	47.3
60	48.0	48.7	49.4	50.2	50.9	51.6	52.3	53.0	53.8	54.5
70	55.2	55.9	56.6	57.3	58.0	58.7	59.4	60.1	60.8	61.5
80	62.2	62.9	63.6	64.3	65.0	65.8	66.4	67.1	67.8	68.5
90	69.2	.....	.....	.....	.....	.....	.....	.....	.....	.....

Table VII gives the danger points, the highest, lowest, and mean stages of water in the rivers at cities and towns on the principal rivers; also the distance of the station from the river mouth along the river channel.

Table VIII gives the maximum, minimum, and mean readings of the wet-bulb thermometer for 135 stations, as determined by observations of the whirled psychrometer at 8 a. m. and 8 p. m., daily.

The difference between mean local time and seventy-fifth meridian time is also given in the table.

Table IX gives, for 140 stations, or all that make observations at 8 a. m. and 8 p. m., the four component directions and the resultant directions based on these two observations only and without considering the velocity of the wind. The total movement for the whole month, as read from the dial of the Robinson anemometer, is given for each station in Table I. By adding the four components for the stations comprised in any geographical division one may obtain the average resultant direction for that division.

Table X gives the total number of stations in each State from which meteorological reports have been received, and the number of such stations reporting thunderstorms (T) and auroras (A) on each day of the current month. From the nature of the phenomena, thunderstorms are more likely to be reported than auroras. It is not possible at present to give an accurate statement of the number of observers who habitually look for auroras, or of those that make complete returns of thunderstorms, but it may be approximately assumed to be about as given in the Annual Summary of the WEATHER REVIEW for 1894.

Table XI gives, for 42 stations, the percentages of hourly sunshine as derived from the automatic records made by two essentially different types of instruments, designated, respectively, the thermometric recorder and the photographic recorder. The kind of instrument used at each station is indicated in the table by the letter T or P in the column following the name of the station.

The thermometric recorder operates on the principle of a Leslie differential air thermometer, one of the bulbs being blackened. It is fully described in the "American Meteorological Journal," Vol. IX, pp. 345–349. The record is produced electrically whenever the intensity of the sunshine surpasses a certain minimum limit and is sufficient to cause a mercurial column to cover two platinum wires fused into the connecting stem of the two bulbs. The instrument is adjusted by trial and observation so that a record will just be made when the cloudiness is not sufficient to quite obscure the disk of the sun. Denser cloudiness than this, so that the exact form of the sun's disk can not be seen with the unaided eye, will cause an interruption of the record.

The photographic recorder operates on the principle of Jordan's recorder. The record sheets for this instrument are sensitized each month with the ordinary blue-print solution, and are generally used only for a period of fifteen days, a new sheet being then introduced, but the instrument can be used for a whole month's record without changing the sheets.

Neither of these instruments will record satisfactorily the duration of the sunshine for about one hour after sunrise and one hour before sunset (at latitudes 30° to 50°) and, on this account, it has been considered necessary to apply to the recorded hours of sunshine what has been designated a "twilight" correction. The amount of this correction is found from a table of the time of sunrise and sunset, noting, in connection therewith, the time of beginning and ending of sunshine on the automatic record. This correction is applied when we know, by personal observation, the comparative clearness of the sky at the time of sunrise and sunset, as the case may be.

Although the action of the thermometric recorder is based

on the heating effect of the sun's rays, while that of the photographic recorder is based on the actinic effect, it is found there is not a very great difference between the two instruments. In general, however, the photographic recorder does not give such good results at stations where rain is more or less frequent and having comparatively high relative humidities, since under these conditions the sensitized paper deteriorates.

The photographic recorders, and the tables compiled therefrom, are made on true or apparent solar time, while the thermometric instruments are adjusted to record on standard (Eastern) time, but the tables from the latter are compiled on local mean solar time. The last column gives the percentage of sunshine deduced by taking the complement of the local observer's estimate of cloudiness, which latter is published in Table I.

Table XII gives the records of hourly precipitation as reported by stations equipped with automatic gauges, of which 37 are known as float gauges and 7 as weighing rain and snow gauges.

In northern latitudes the records are more or less incomplete during winter months because the float gauge does not register snowfall and the record of the weighing gauge is occasionally interrupted by high winds.

The totals found in the table (XII) are sometimes slightly in excess of the sums of the hourly amounts for the twenty-four hours, and the totals for the month do not always agree with those given in Table I. The reason for this is as follows:

The float gauge is so constructed that the small rainfalls aggregating less than five-hundredths (0.05) of an inch are not automatically registered on the register sheets; whenever, therefore, a fall not exceeding that amount occurs in the nighttime it is not possible to accredit it to the proper hour or hours, and the totals given are consequently deficient by the sum total of these small amounts throughout the month.

On account of slightly different exposures the self-registering gauges may differ slightly in the total catch for the month from the records of the standard gauges as measured with graduated stick by the observer in person at 8 a. m. and 8 p. m.

As the object of this table is to deduce diurnal periods, therefore fragments of days are rejected unless a close interpolation is possible.

Table XIII gives the record of excessive precipitation at all stations from which reports are received.

Table XIV gives a record of the heaviest rainfalls for periods of five and ten minutes and one hour, as reported by regular stations of the Weather Bureau furnished with self-registering rain gauges. About 37 stations are furnished with the self-registering float rain gauge and 7 with the self-registering, weighing, rain and snow gauge. The float gauge does not record snowfall, and the frequent interruptions of both the self-registers, due to snow and ice, explain the numerous cases of incomplete record.

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TABLE I.—*Climatological data for Weather Bureau Stations, January*, 1895.

Stations.	Elevation above sea-level, feet.	Length of record, years.	Pressure in inches. Mean pressure, 8 a.m. and 8 p.m. ÷ 2.	Mean reduced.	Departure from normal.	Temperature of the air, in degrees Fahrenheit. Mean max. and min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Humidity and precipitation. Mean temperature of the dew-point.	Mean relative humidity, per cent.	Precipitation, in inches.	Departure from normal.	Days with .01, or more.	Wind. Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Direction.	Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Monthly temperature data since opening station. Absolute maximum.	Year.	Absolute minimum.	Year.
New England.						27.6	+ 1.0										3.86	— 0.3														
Eastport	76	22	29.89	29.99	— .01	24.4	+ 4.1	47	11	30	— 4	5	19	43	17	72	2.70	— 1.4	15	9,136	w.	66	se.	26	7	12	12	6.4	54	1892	—20	1874
Portland, Me	103	24	29.88	29.99	— .06	22.0	+ 1.9	42	22	29	— 4	5	14	29	17	83	2.47	— 1.1	10	5,021	w.	34	e.	26	12	7	12	5.5	62	1890	—15	1887
Northfield	872	8	29.02	30.03	— .04	15.8	+ 1.0	39	13	25	—15	1	6	38	9	76	1.99	— 1.9	11	6,032	sw.	40	s.	13	9	13	9	5.5	61	1890	—26	1893
Boston	125	25	29.89	30.03	— .04	28.8	+ 3.4	54	7	36	4	5	22	28	20	72	3.79	— 0.4	13	8,270	w.	40	e.	26	11	8	12	6.0	70	1876	—13	1882
Nantucket	14	9	30.02	30.03	— .03	31.4	+ 0.7	53	11	36	10	5	26	29	26	80	3.91	0.0	17	8,956	n.	46	sw.	26	10	6	15	6.3	56	1890	— 4	1888
Woods Holl	.....	18	.....	.....	.....	30.5	— 0.8	52	11	35	9	5	26	34	.....	.....	4.00	+ 0.5	15	12,005	w.	54	sw.	26	10	8	13	5.9	58	1892	— 8	1882
Vineyard Haven	.....	9	.....	.....	.....	33.7	— 1.3	55	8	40	11	5	27	25	.....	.....	4.19	+ 0.7	16	.....	nw.	....	.....	...	11	5	15	....	62	1890	— 7	1888
Block Island	27	15	30.02	30.05	— .04	31.4	+ 0.2	53	26	37	10	5	26	29	25	75	4.12	— 0.3	16	13,132	nw.	56	se.	26	7	16	8	5.8	59	1885	— 4	1882
Narragansett Pier	.....	13	.....	.....	.....	30.6	+ 3.5	55	7	40	3	5	21	37	.....	.....	4.67	— 1.1	15	.....	nw.	....	.....	...	12	5	14	....	63	1890	— 5	1888
New Haven	107	23	29.93	30.05	— .07	26.6	— 0.4	48	7	33	5	5	20	25	19	74	5.13	+ 0.9	15	6,882	w.	38	w.	27	11	10	10	5.0	65	1890	—14	1873
New London	45	24	30.02	30.07	— .03	28.6	— 0.9	54	7	35	7	5	22	28	24	82	5.54	+ 1.2	14	5,714	nw.	41	se.	26	8	13	10	5.5	65	1890	—10	1882
Mid. Atlan. States.						31.4	— 1.8										4.68	+ 1.0														
Albany	85	22	29.96	30.06	— .04	22.6	— 1.6	47	11	30	— 4	5	15	33	18	83	1.65	— 1.2	12	5,358	s.	38	se.	13	7	9	15	6.5	62	1889	—18	1878
New York	185	25	29.86	30.07	— .05	30.1	— 0.8	55	11	37	10	14	23	34	23	77	5.62	+ 1.7	14	7,858	w.	36	w.	27	7	10	14	6.2	67	1890	— 6	1875
Harrisburg	377	7	29.66	30.09	— .03	25.4	— 4.9	44	7	31	2	*	20	25	22	87	3.80	— 0.1	15	5,568	w.	36	e.	26	6	12	13	6.3	67	1890	— 4	1893
Philadelphia	117	25	29.95	30.08	— .08	30.6	— 1.5	55	7	37	10	*	24	26	23	76	4.52	— 1.2	13	8,161	nw.	32	nw.	27	8	11	12	6.2	72	1890	— 5	1875
New Brunswick	.....	9	.....	.....	.....	28.4	— 2.0	52	7	36	8	5	21	34	.....	.....	5.20	— 1.5	14	.....	w.	....	.....	...	2	17	12	....	62	1892	—10	1893
Baltimore	179	25	29.87	30.08	— .08	31.3	— 3.0	60	7	37	9	13	25	22	23	74	4.67	— 1.5	16	6,020	w.	36	w.	27	8	15	8	5.6	73	1890	— 6	1881
Washington	112	25	29.96	30.09	— .09	31.6	— 1.0	62	7	39	4	13	25	23	24	77	4.42	— 1.1	13	5,021	s.	28	nw.	19	7	8	16	6.4	76	1890	—14	1881
Cape Henry	.....	22	.....	.....	.....	39.2	— 0.5	70	7	46	17	13	32	29	.....	.....	5.32	+ 0.7	11	.....	sw.	....	.....	...	5	10	16	....	78	1876	6	1893
Lynchburg	685	24	29.33	30.10	— .07	34.6	— 2.3	62	7	42	— 3	13	27	27	25	74	7.27	+ 3.1	16	3,306	sw.	27	nw.	19	7	14	10	6.3	77	1890	— 6	1893
Norfolk	57	25	30.03	30.10	— .06	40.3	— 0.2	70	7	48	15	13	33	31	32	76	4.30	— 0.4	11	7,508	w.	40	sw.	26	13	11	7	4.5	80	1871	6	1893
S. Atlantic States.						45.9	— 1.1										6.11	+ 1.9														
Charlotte	773	17	29.24	30.10	— .08	39.0	— 2.2	66	8	46	3	13	32	26	32	81	5.84	+ 0.5	17	5,731	sw.	36	sw.	12	5	10	16	6.8	77	1890	— 1	1886
Hatteras †	11	15	30.10	30.11	— .05	45.8	+ 0.2	68	10	52	26	14	40	28	40	81	6.14	— 0.1	14	11,325	n.	48	n.	1	7	10	14	6.2	73	1890	14	1886
Kittyhawk	9	20	30.06	30.07	— .10	42.6	+ 0.4	67	7	49	22	1	36	24	35	77	5.94	+ 0.6	13	11,685	ne.	56	se.	26	12	7	12	5.2	73	1876	9	1884
Raleigh	388	9	29.68	30.12	— .06	39.4	— 2.1	69	7	48	6	13	31	30	30	75	7.44	+ 3.9	13	5,147	sw.	30	sw.	26	5	12	14	6.4	76	1890	2	1893
Wilmington	78	25	30.03	30.12	— .05	46.1	— 1.2	74	7	54	20	1	38	34	37	78	4.80	— 0.9	14	6,762	ne.	42	sw.	26	11	9	11	5.3	80	1890	9	1884
Charleston	52	25	30.06	30.13	— .05	49.0	— 0.9	72	7	56	22	13	42	21	40	80	7.68	+ 3.6	12	5,789	n.	32	s.	26	5	15	11	6.0	80	1879	10	1886
Columbia	.....	8	.....	.....	.....	45.2	— 1.2	73	7	53	10	13	37	28	.....	.....	7.27	+ 3.4	13	.....	sw.	....	.....	...	6	11	14	....	78	1890	10	1895
Augusta	180	24	29.91	30.12	— .08	45.4	— 2.0	73	7	54	11	13	37	31	35	72	6.35	+ 1.9	12	3,897	sw.	26	nw.	12	7	9	15	6.3	80	1890	6	1886
Savannah	98	25	30.02	30.13	— .07	50.4	— 1.2	74	8	59	23	13	42	30	41	80	5.02	+ 1.5	11	6,042	w.	32	n.	12	7	15	9	5.9	80	1879	12	1886
Jacksonville	43	24	30.07	30.12	— .06	56.1	+ 0.8	79	30	66	26	1	46	35	46	78	4.63	+ 1.2	12	5,396	ne.	31	sw.	12	10	7	14	6.1	81	1888	15	1886
Florida Peninsula.						64.0	— 0.4										2.72	— 0.2														
Jupiter	28	8	30.09	30.12	— .04	65.4	— 1.6	83	29	73	40	1	58	25	58	83	3.33	— 0.8	9	6,817	s.	36	se.	10	16	12	3	3.8	83	1895	34	1892
Key West	22	25	30.11	30.13	— .01	69.0	— 1.4	79	29	73	53	1	65	14	62	82	3.26	+ 1.2	6	6,065	ne.	31	nw.	10	18	9	4	3.5	90	1877	41	1886
Tampa	36	15	30.09	30.13	— .05	60.8	+ 1.7	79	8	70	31	1	52	29	54	86	3.40	— 0.9	9	4,849	n.	24	s.	25	7	17	7	5.3	82	1891	16	1886
Titusville	44	8	30.10	30.14	— .05	61.0	— 0.1	83	29	70	33	1	52	27	53	85	0.88	— 2.3	6	8,187	sw.	36	nw.	27	17	13	1	3.1	83	1895	29	1893
East Gulf States.						48.4	— 1.3										5.70	— 0.4														
Atlanta	1,131	17	28.88	30.12	— .09	40.4	— 2.1	66	19	48	5	13	33	27	33	78	5.47	— 0.8	14	8,071	nw.	39	e.	25	10	6	15	6.1	75	1890	— 2	1886
Pensacola	56	16	30.05	30.11	— .08	50.5	— 2.4	72	16	58	22	13	43	29	43	80	3.12	— 1.8	10	7,215	ne.	36	sw.	25	9	6	16	6.0	79	1890	15	1886
Mobile	57	25	30.06	30.12	— .07	48.6	— 2.3	72	16	56	21	13	41	28	42	86	5.24	+ 0.3	16	6,603	n.	35	s.	25	9	12	10	5.9	78	1882	11	1886
Montgomery	257	23	29.83	30.12	— .08	46.9	— 1.3	73	7	55	15	13	38	29	38	79	6.69	+ 1.7	15	5,069	w.	28	n.	16	3	11	17	7.2	78	1890	5	1886
Meridian	358	6	29.70	30.10	— .08	44.4	— 2.7	74	19	52	16	13	36	31	37	81	7.42	— 2.1	11	5,160	nw.	26	sw.	15	6	9	16	6.7	79	1890	14	1893
Vicksburg	254	25	29.81	30.08	— .11	46.2	+ 0.9	76	6	54	19	13	39	29	39	78	6.56	+ 1.1	15	6,282	se.	35	w.	25	8	10	13	6.3	82	1890	3	1886
New Orleans	54	25	30.03	30.09	— .07	52.0	— 1.8	77	19	60	27	13	44	32	44	80	7.19	+ 1.8	14	7,150	n.	32	n.	8	10	7	14	5.9	82	1890	15	1886
Port Eads	.....	9	.....	.....	.....	58.0	+ 1.3	72	*	64	35	10	52	23	.....	.....	3.89	— 0.9	7	.....	.....	....	.....	...	....	....	....	....	....	....	....	....
West Gulf States.						46.6	— 0.4										2.40	— 1.3														
Shreveport	249	24	29.80	30.08	— .11	44.4	+ 0.4	77	6	52	18	13	37	35	36	75	2.26	— 2.7	11	5,986	se.	34	nw.	25	6	5	20	7.3	78	1890	1	1886
Fort Smith	492	13	29.58	30.13	— .05	33.8	— 2.6	73	20	43	5	12	25	36	27	78	2.24	— 0.1	7	5,697	e.	42	w.	25	4	10	17	6.9	80	1890	— 7	1894
Little Rock	302	16	29.77	30.10	— .10	37.2	— 3.1	73	6	45	12	31	30	30	27	71	7.12	+ 2.1	11	6,035	nw.	37	nw.	12	7	5	19	7.1	78	1880	— 5	1886
Corpus Christi	20	8	30.03	30.05	— .12	57.3	+ 3.8	80	15	65	32	9	50	32	52	87	0.31	— 3.6	6	8,694	n.	36	nw.	7	5	6	20	6.9	82	1892	16	1888
Galveston	42	25	30.05	30.09	— .07	53.4	+ 1.1	71	20	59	31	9	48	21	46	81	1.24	— 2.7	8	9,818	s.	49	nw.	28	12	10	9	4.9	75	1882	11	1886
Palestine	510	13	29.53	30.10	— .10	46.0	+ 0.8	78	19	55	18	13	37	38	36	74	2.42	— 2.0	10	5,340	s.	27	nw.	28	5	13	12	6.7	79	1894	0	1886
San Antonio	679	16	29.36	30.09	— .08	54.2	+ 2.7	79	*	64	25	9	44	42	36	56	1.24	— 0.3	6	4,944	n.	36	n.	7	6	17	8	5.3	81	1886	6	1886
Ohio Val. & Tenn.						30.4	— 3.2										5.31	+ 0.3														
Chattanooga	762	17	29.29	30.13	— .06	37.9	— 3.3	65	18	45	5	13	31	33	30	75	6.56	— 0.5	15	6,106	w.	41	w.	12	5	8	18	7.1	75	1890	— 7	1886
Knoxville	980	25	29.08	30.12	— .08	35.2	— 2.9	59	21	42	— 3	13	28	28	27	76	6.72	+ 0.9	17	4,718	ne.	36	sw.	26	10	5	16	6.4	74	1876	—16	1884
Memphis	330	24	29.76	30.13	— .06	37.8	+ 0.4	72	6	45	7	12	30	26	29	74	5.94	+ 0.1	11	6,305	nw.	38	nw.	25	11	4	16	6.0	79	1890	— 8	1886
Nashville	545	25	29.49	30.10	— .07	34.6	— 2.3	64	18	41	— 3	12	28	28	28	78	5.71	+ 0.4	13	6,138	n.	36	se.	25	4	11	16	7.0	75	1890	—10	1884
Lexington †	989	12	28.97	30.08	— .05	27.7	— 3.3	61	21	35	—12	12	20	32	20	70	5.60	+ 1.1	16	11,180	s.	60	sw.	26	3	8	20	7.8	71	1890	—12	1895
Louisville	525	24	29.49	30.09	— .09	29.2	— 3.4	62	6	36	—10	12	22	28	22	74	4.54	+ 0.3	16	7,486	sw.	39	sw.	26	9	6	16	6.7	72	1890	—20	1884
Indianapolis	766	24	29.20	30.08	— .08	22.9	— 4.1	58	21	30	—13	12	16	28	17	77	3.12	— 0.1	14	5,742	sw.	30	sw.	26	8	6	17	6.5	70	1890	—25	1884
Cincinnati	628	25	29.38	30.10	— .07	26.6	— 5.6	60	21	34	—10	12	20	30	21	78	6.13	+ 2.6	15	6,648	sw.	36	w.	21	10	7	14	6.2	71	1890	—12	1886
Columbus	824	17	29.16	30.09	— .06	24.1	— 3.9	56	21	31	— 8	12	17	27	19	80	4.67	+ 1.2	18	6,259	sw.	32	e.	25	2	13	16	7.2	67	1890	—20	1884
Pittsburg	842	24	29.12	30.07	— .08	27.0	— 2.8	58	21	35	— 5	13	20	42	24	87	4.16	— 0.9	21	6,171	w.	28	w.	26	7	9	15	6.8	75	1874	—12	*
Parkersburg	638	7	29.38	30.10	— .05	28.6	— 4.2	59	*	37	— 6	13	21	44	25	87	5.50	+ 2.4	20	5,226	w.	27	w.	26	6	8	17	6.8	70	1890	—11	1893
Lower Lake Region.						22.0	— 2.7										2.92	+ 0.2														
Buffalo	690	25	29.21	30.00	— .09	22.9	— 0.7	49	21	28	4	5	18	24	18	80	4.48	+ 1.6	21	12,022	w.	64	w.	26	0	12	19	8.0	66	1874	—14	1884
Oswego	335	25	29.60	29.99	— .10	21.6	— 1.3	43	11	28	— 5	5	15	33	18	82	2.64	— 0.4	19	10,704	sw.	40	sw.	27	4	8	19	7.9	64	1890	—23	1885
Rochester	523	25	29.40	29.99	— .10	23.0	— 0.4	48	7	29	5	*	16	27	18	78	3.12	— 0.1	20	7,849	sw.	38	sw.	27	3	12	16	7.2	69	1874	—12	1873
Erie	714	22	29.20	30.01	— .09	24.0	— 2.3	55	21	32	— 5	13	16	27	18	80	3.51	0.0	18	9,943	sw.	40	se.	26	2	10	19	7.6	73	1876	—15	1875
Cleveland	740	25	29.19	30.03	— .08	22.4	— 3.1	56	21	30	— 5	13	15	40	19	86	2.32	— 0.3	17	11,060	sw.	52	sw.	13	3	9	19	7.4	70	1874	—17	1875
Sandusky	629	18	29.31	30.04	— .08	22.0	— 3.7	57	21	29	— 5	12	16	28	17	82	2.39	+ 0.1	14	7,636	w.	40	nw.	3	0	5	26	8.8	69	1890	—16	1879
Toledo	674	25	29.26	30.03	— .08	19.8	— 5.3	53	21	26	— 6	12	14	27	17	89	2.16	— 0.1	18	8,879	w.	43	sw.	26	5	8	18	7.3	71	1890	—14	*
Detroit	724	25	29.18	30.01	— .09	20.0	— 5.1	49	21	26	— 4	28	14	33	15	82	2.76	+ 0.7	15	9,550	sw.	48	sw.	21	9	6	16	6.3	66	1890	—15	*
Upper Lake Region.						15.3	— 1.9										2.63	+ 0.6														
Alpena	609	23	29.24	29.94	— .12	17.4	+ 1.2	41	21	24	— 2	28	11	26	12	80	2.72	— 0.1	19	8,379	w.	40	nw	22	5	10	16	6.7	52	1876	—27	1882
Grand Haven	628	24	29.25	29.98	— .09	19.8	— 3.8	50	21	26	— 2	12	13	29	17	91	3.77	+ 1.4	25	9,417	nw.	50	sw.	21	4	3	24	8.4	61	1890	—12	1873
Marquette	734	24	29.10	29.95	— .10	14.5	+ 0.2	38	*	20	—10	28	9	26	10	85	5.14	+ 3.5	21	8,960	nw.	33	nw.	22	5	8	18	7.3	56	1890	—26	1881
Port Huron	639	21	29.26	30.00	— .10	19.6	— 1.5	46	21	26	— 8	28	13	21	14	79	2.69	+ 0.6	15	9,841	sw.	53	sw.	21	7	5	19	6.9	64	1890	—15	*
Sault Ste. Marie	642	7	29.16	29.92	— .10	12.6	— 1.9	38	2	19	—12	31	6	30	10	90	3.17	+ 1.4	22	6,048	se.	35	nw.	22	0	6	25	8.4	42	1892	—26	1893
Chicago	824	25	29.10	30.04	— .07	17.4	— 6.7	51	21	24	— 9	27	10	36	13	81	2.15	0.0	14	13,444	nw.	64	sw.	21	12	6	13	5.8	65	1876	—20	1875
Milwaukee	673	25	29.25	30.03	— .07	15.1	— 3.5	45	21	22	—12	28	8	27	9	74	1.78	— 0.4	14	8,980	w.	50	sw.	21	11	10	10	5.5	59	1874	—25	1875
Green Bay	617	9	29.30	30.03	— .08	13.4	— 0.1	37	21	21	—15	28	6	28	6	72	1.96	— 0.9	11	7,258	s.	41	n.	12	12	5	14	6.0	45	1894	—36	1888
Duluth	702	25	29.22	30.05	— .06	7.8	— 0.8	32	21	15	—20	30	0	29	3	82	0.75	— 0.4	14	5,845	sw.	36	nw.	21	13	8	10	4.9	51	1894	—41	1885
North Dakota.						— 2.6	— 2.4										0.65	0.0														
Moorhead	935	15	29.01	30.14	— .08	— 2.0	— 0.5	25	19	6	—29	27	—10	35	— 6	84	0.33	— 0.4	9	7,555	nw.	36	se.	4	11	12	7	4.8	46	1889	—48	1887
St. Vincent	804	15	29.16	30.14	— .04	— 6.2	— 1.8	28	19	3	—32	30	—16	35	—10	88	0.77	+ 0.1	10	6,954	n.	32	s.	8	15	7	9	4.2	48	1889	—54	1888
Bismarck	1,681	21	28.19	30.17	— .02	— 1.3	— 4.6	38	14	8	—32	28	—11	36	— 8	76	0.89	+ 0.3	12	6,626	nw.	31	nw.	7	9	10	12	6.0	50	1891	—44	1887
Williston	1,875	17	27.96	30.15	— .02	— 1.0	— 2.6	30	14	8	—36	28	—10	37	— 8	74	0.53	0.0	13	6,943	nw.	42	w.	14	8	17	6	5.5	50	1891	—49	1888
Upper Miss. Valley.						16.7	— 2.9										1.51	— 0.3														
Minneapolis	.....	6	.....	.....	.....	6.8	— 5.1	33	21	15	—20	27	— 1	31	.....	.....	0.88	+ 0.1	8	.....	nw.	....	.....	...	13	3	15	....	49	1891	—26	1893
St. Paul	850	25	29.11	30.12	— .03	6.0	— 4.0	34	21	14	—22	27	— 2	28	0	75	1.05	+ 0.1	11	6,067	nw.	36	w.	11	12	6	13	5.1	49	1879	—41	1888
La Crosse	720	23	29.25	30.10	— .03	10.7	— 2.8	41	20	20	—17	28	2	29	6	84	1.22	— 0.1	11	5,600	s.	30	nw.	21	11	11	9	5.4	59	1874	—43	1873
Davenport	613	24	29.37	30.08	— .07	15.4	— 3.7	54	20	24	—13	27	6	32	9	78	1.27	— 0.4	12	7,699	sw.	54	sw.	21	7	12	12	5.6	62	1894	—27	1884
Des Moines	869	17	29.13	30.13	— .05	16.7	0.0	64	20	26	—14	30	7	30	9	72	1.30	— 0.1	7	6,359	nw.	38	nw.	11	11	11	9	4.8	64	1895	—30	1884

TABLE I.—*Climatological data for Weather Bureau Stations, January*, 1895—Continued.

Stations.	Elevation above sea-level, feet.	Length of record, years	Pressure, in inches. Mean pressure, 8 a.m. and 8 p.m. + 2.	Mean reduced.	Departure from normal.	Temperature of the air, in degrees Fahrenheit. Mean max. and min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Humidity and precipitation. Mean temperature of the dew-point.	Mean relative humidity, per cent.	Precipitation, in inches.	Departure from normal.	Days with .01, or more.	Wind. Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Direction.	Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Monthly temperature data since opening station. Absolute maximum.	Year.	Absolute minimum	Year.
Up. Miss. Val.—Con																																	
Dubuque	.....	22	.....	.....	.....	13.0	— 3.5	40	20	22	—20	28	4	32	.....	.....	1.44	— 0.2	6	.....	nw.	....	.....	...	17	0	14	....	62	1874	—32	1887
Keokuk	613	24	29.39	30.10	— .05	19.6	— 1.4	61	20	28	—11	30	11	33	12	77	1.44	— 0.2	7	6,242	nw.	42	w.	21	15	9	7	3.8	69	1894	—24	1884
Cairo	359	24	29.68	30.10	— .07	31.5	— 1.5	68	6	38	— 2	12	25	27	26	81	3.77	— 0.4	13	7,939	n.	52	sw.	25	8	10	13	6.2	73	1890	—16	1884
Springfield, Ill	644	16	29.36	30.09	— .06	21.5	— 4.1	60	18	30	—10	12	18	31	12	71	1.12	— 1.3	9	8,112	nw.	38	w.	21	12	8	11	5.5	68	1890	—22	1884
Hannibal	534	....	29.49	30.10	.....	21.0	.....	62	20	30	—10	30	12	32	14	75	1.57	.....	8	6,893	w.	50	w.	21	15	6	10	5.1	....	....	....	....
St. Louis	571	25	29.48	30.13	— .03	26.2	— 2.5	64	18	34	— 8	12	19	31	17	71	1.65	— 0.8	11	9,530	nw.	56	sw.	21	18	5	8	4.1	74	1890	—22	1884
Missouri Valley.						18.4	— 1.4										0.32	— 0.3															
Columbia	.....	6	.....	.....	.....	24.6	— 5.8	69	20	36	— 7	27	14	38	.....	.....	1.23	— 0.8	6	5,653	se.	31	w.	21	12	6	13	5.6	74	1894	—16	1894
Kansas City	963	7	29.05	30.14	— .06	24.0	— 1.8	65	20	32	— 8	12	16	30	17	76	0.32	— 0.9	5	6,201	nw.	34	nw.	11	14	9	8	4.5	68	1890	—17	1892
Springfield, Mo	1,336	10	28.63	30.13	— .04	27.6	— 2.3	70	20	36	—12	12	19	34	20	76	2.33	+ 0.1	7	7,678	ne.	48	sw.	21	11	10	10	4.9	74	1890	—17	1894
Topeka	.....	8	.....	.....	.....	25.5	+ 0.2	68	20	36	— 8	12	15	45	.....	.....	0.57	— 0.6	4	.....	s.	....	.....	...	15	9	7	....	70	1894	—23	1892
Omaha	1,123	25	28.88	30.16	— .06	18.6	+ 1.4	63	20	28	—12	12	9	30	9	71	0.35	— 0.3	3	6,028	nw.	30	nw.	25	15	3	13	5.3	63	1895	—32	1884
Sioux City	1,165	6	28.80	30.14	— .04	14.2	— 2.5	62	19	23	—15	12	5	38	6	77	0.16	— 0.7	4	8,856	nw.	46	nw.	11	9	12	10	5.5	58	1891	—28	1892
Pierre §	1,470	20	28.45	30.15	— .05	8.7	+ 0.7	39	14	17	—16	23	4	35	3	80	0.71	+ 0.2	10	6,177	nw.	34	nw.	11	9	15	7	5.3	55	*	—39	1883
Huron	1,310	14	28.63	30.17	— .04	4.3	— 0.7	35	18	14	—23	12	— 6	44	— 1	78	0.91	+ 0.5	7	9,269	nw.	44	se.	4	11	13	7	5.3	55	1891	—43	1887
Northern Slope.						15.3	0.0										0.74	+ 0.1															
Havre	2,477	15	27.29	30.14	— .01	1.3	— 4.0	44	13	11	—26	7	— 8	46	— 2	84	1.06	— 0.1	17	6,022	nw.	34	ne.	17	6	14	11	6.3	56	1892	—49	1886
Miles City	2,374	18	27.43	30.13	.....	7.4	— 3.2	41	13	17	—26	26	— 2	44	2	78	0.80	+ 0.2	13	4,063	n.	29	nw.	14	11	14	6	5.2	54	1893	—45	1892
Helena	4,108	15	25.70	30.13	+ .01	17.2	+ 1.9	51	12	25	—15	27	10	35	9	71	1.95	+ 0.6	16	3,488	sw.	46	sw.	9	7	9	15	6.7	59	1893	—42	1893
Rapid City	3,280	10	26.50	30.09	— .09	16.6	— 2.6	53	10	27	— 7	28	6	49	7	67	0.25	— 0.1	11	5,605	n.	31	n.	24	11	10	10	5.9	69	1892	—37	1883
Cheyenne	6,105	24	23.82	30.14	— .05	24.8	+ 1.0	53	12	34	—12	27	15	34	12	62	0.29	0.0	5	9,850	nw.	44	w.	9	4	23	4	5.1	64	1888	—38	1875
Lander ‡	5,377	12	24.47	30.15	— .07	18.4	+ 3.7	57	13	32	—28	28	4	41	4	64	0.68	0.0	5	2,971	sw.	48	sw.	4	11	15	5	4.7	57	1892	—42	1883
North Platte	2,841	21	27.03	30.17	— .05	21.3	+ 3.4	56	22	32	—11	28	10	44	11	71	0.14	— 0.3	3	6,464	nw.	32	nw.	20	8	14	9	5.3	70	1880	—35	1888
Middle Slope.						27.1	— 1.5										0.49	— 0.3															
Denver	5,287	24	24.61	30.13	— .06	28.4	+ 1.7	62	13	39	— 7	28	18	49	13	57	0.32	— 0.3	4	5,792	s.	37	nw.	31	11	16	4	4.5	76	1888	—29	1875
Pueblo	4,734	7	25.14	30.09	.....	29.0	+ 0.7	64	13	42	— 7	26	15	55	10	51	0.44	+ 0.1	6	5,683	nw.	50	sw.	17	12	13	6	4.6	71	1892	—13	1891
Concordia	1,410	10	28.56	30.15	— .07	23.5	+ 2.1	69	20	34	— 6	12	13	42	12	69	0.54	— 0.5	5	5,476	n.	30	n.	31	17	8	6	3.7	72	1894	—25	1888
Dodge City	2,523	21	27.36	30.13	— .07	26.9	+ 3.3	65	19	37	2	27	17	34	17	73	0.58	+ 0.1	10	7,620	ne.	40	nw.	25	11	12	8	5.0	73	1887	—20	1883
Wichita	1,366	7	28.60	30.14	— .04	27.8	— 0.2	69	20	37	— 1	12	19	28	19	75	0.57	— 0.9	5	6,609	s.	41	nw.	20	11	12	8	4.8	72	1894	—14	1892
Oklahoma	1,239	....	28.75	30.13	.....	33.2	.....	70	*	43	— 1	30	24	35	23	73	0.93	.....	3	6,767	n.	32	n.	11	15	8	8	4.4	....	....	....	....
Southern Slope.						.....	.....										.....	.....															
Abilene	1,749	10	28.22	30.12	— .08	41.6	+ 1.1	76	5	52	5	30	31	37	24	58	1.15	+ 0.2	3	6,441	s.	30	nw.	25	9	11	11	5.6	83	1890	— 5	1888
Amarillo	3,691	....	26.19	30.10	.....	33.4	.....	67	4	45	— 4	30	22	49	15	57	1.60	.....	5	12,422	s.	76	w.	20	11	11	9	5.0	....	....	....	....
Southern Plateau.						43.4	+ 0.8										0.96	+ 0.3															
El Paso	3,813	17	26.18	30.12	— .05	45.8	+ 2.3	68	14	57	22	28	35	36	24	49	0.65	+ 0.1	3	8,628	nw.	47	sw.	20	7	14	10	5.3	77	1890	5	1861
Santa Fe	7,051	23	23.16	30.12	— .05	28.2	— 0.4	48	12	36	— 4	28	20	25	12	53	1.51	+ 1.0	8	5,273	ne.	31	sw.	20	18	6	7	4.5	76	1879	—13	1883
Tucson	2,390	12	27.53	30.05	.....	50.7	+ 1.3	72	11	62	28	25	39	39	34	62	0.63	— 0.2	6	3,312	nw.	29	s.	17	12	9	10	5.0	84	1881	14	1880
Yuma	141	20	29.86	30.01	— .07	54.6	+ 0.7	75	15	65	35	30	44	32	34	51	0.78	+ 0.4	1	5,523	n.	39	se.	16	19	7	5	3.4	80	1890	22	1883
Independence	3,950	....	25.96	30.08	.....	37.8	— 0.6	69	13	46	19	28	29	32	23	57	1.24	0.0	7	6,438	nw.	48	se.	17	11	10	10	4.8	....	....	....	....
Middle Plateau.						23.0	— 0.5										2.59	+ 1.1															
Carson City	4,720	8	25.19	30.10	.....	29.8	— 1.2	57	12	40	— 4	20	19	44	17	57	5.06	+ 3.2	11	.....	s.	....	.....	...	18	1	12	5.0	60	1893	—22	1890
Winnemucca	4,340	17	25.58	30.14	— .06	24.6	— 2.4	48	9	33	—14	26	16	39	17	72	1.40	+ 0.2	15	7,927	sw.	60	s.	4	8	6	17	6.5	57	1887	—28	1888
Salt Lake City	4,345	21	25.59	30.17	— .08	29.7	+ 2.0	52	16	37	0	28	22	27	21	73	1.32	— 0.2	15	4,571	se.	48	s.	5	4	6	21	8.0	54	1879	—20	1883
Northern Plateau.						25.4	+ 3.3										2.44	0.0															
Baker City	3,430	6	26.34	30.01	.....	25.6	+ 3.8	47	13	33	— 2	28	18	30	19	76	2.99	+ 1.4	17	4,540	se.	30	se.	22	9	6	16	6.2	47	1895	—14	1890
Idaho Falls	4,742	6	25.14	30.19	.....	16.6	+ 1.1	40	13	25	—32	28	8	38	12	81	1.22	— 1.4	13	5,655	nw.	52	s.	16	5	7	19	7.2	42	1893	—38	1883
Spokane	1,930	14	27.88	30.01	— .10	27.8	+ 6.8	47	13	34	10	31	22	29	23	83	3.04	+ 0.3	16	4,047	e.	39	sw.	13	2	6	23	8.2	55	1893	—30	1888
Walla Walla	1,018	10	28.88	30.01	— .15	31.8	+ 2.0	63	12	38	11	8	26	32	28	86	2.52	+ 0.4	18	4,315	s.	42	sw.	13	6	14	11	6.3	65	1888	—17	1888
N. Pac. Coast Reg.						39.1	+ 0.1										10.08	— 0.9															
East Clallam	.....	....	.....	.....	.....	37.0	.....	54	12	42	26	26	32	16	.....	.....	15.44	.....	16	.....	e.	....	.....	...	6	2	23	....	....	....	....	....
Fort Canby	179	12	29.63	29.83	— .19	40.2	— 0.7	54	11	44	31	28	37	12	37	86	11.52	+ 2.5	21	13,795	e.	77	se.	12	4	3	24	8.2	60	1893	11	1888
Neah Bay	.....	12	.....	.....	.....	40.2	— 0.4	58	11	46	28	*	34	20	.....	.....	12.44	— 4.8	13	.....	e.	....	.....	...	6	3	22	....	59	*	8	1893
Olympia	.....	18	.....	.....	.....	37.4	— 0.4	56	12	42	25	*	32	18	.....	.....	9.85	+ 1.3	21	.....	s.	....	.....	...	2	7	22	....	60	1891	— 2	1888
Port Angeles	29	10	29.82	29.85	— .12	37.1	+ 2.4	56	12	42	26	7	32	16	33	86	5.91	+ 0.3	18	3,577	s.	36	e.	3	4	9	18	7.5	60	1892	— 1	1893
Port Crescent	.....	....	.....	.....	.....	34.4	.....	49	13	40	21	7	29	17	.....	.....	8.31	.....	14	.....	e.	....	.....	...	6	6	19	....	....	....	....	....
Pysht	.....	....	.....	.....	.....	36.2	.....	48	30	41	25	*	31	16	.....	.....	12.07	.....	17	.....	e.	....	.....	...	5	1	25	....	....	....	....	....
Seattle	119	....	29.74	29.87	.....	39.3	.....	58	12	43	28	28	35	18	35	84	6.13	.....	16	3,888	s.	30	sw.	5	3	6	22	8.1	....	....	....	....
Tatoosh Island	86	11	29.75	29.85	— .17	40.5	+ 0.3	57	10	44	30	3	37	14	36	85	12.50	— 0.7	20	13,313	e.	72	e.	3	7	2	22	7.8	57	*	7	1893
Astoria	.....	11	.....	.....	.....	40.3	+ 0.2	60	12	45	28	28	35	16	.....	.....	14.84	— 5.2	24	.....	e.	....	.....	...	2	6	23	....	60	*	10	1888
Portland, Oreg	157	24	29.75	29.93	— .16	37.3	— 0.5	57	12	42	25	26	32	20	33	85	8.53	+ 1.0	20	5,135	se.	44	sw.	13	2	10	19	7.5	62	1888	— 2	1888
Roseburg	523	18	29.31	29.89	— .24	40.0	— 0.3	62	9	46	20	28	34	26	35	83	5.05	— 1.6	19	2,671	se.	24	sw.	5	8	12	11	5.8	71	1888	— 6	1888
Mid. Pac. Coast Reg.						46.6	— 0.5										3.50	+ 2.3															
Eureka	64	9	29.87	29.93	— .20	46.4	+ 0.4	70	10	53	31	*	40	24	41	84	9.37	— 0.2	19	5,507	se.	36	se.	3	8	14	9	5.5	77	1888	20	1888
Red Bluff	342	18	29.63	30.00	— .15	43.8	— 1.5	66	31	50	29	29	38	29	39	85	8.29	+ 3.6	15	6,828	se.	37	se.	17	11	3	17	6.0	74	1891	18	1888
Sacramento	71	18	29.93	30.01	— .13	46.4	+ 0.7	60	13	52	30	26	41	20	41	85	8.42	+ 4.5	15	8,884	se.	48	se.	4	6	6	19	6.7	66	1891	19	1888
San Francisco	153	24	29.84	30.00	— .13	48.6	— 1.4	63	12	53	38	27	44	16	42	80	6.99	— 2.0	13	7,068	se.	44	s.	4	9	7	15	5.6	73	1887	29	1888
Point Reyes Light	.....	6	.....	.....	.....	47.7	— 0.5	60	10	54	34	28	41	21	.....	.....	9.43	+ 4.0	16	.....	s.	....	.....	...	7	5	19	....	....	....	....	....
S. Pac. Coast Reg.						50.2	— 0.2										5.77	+ 3.7															
Fresno	332	8	29.66	30.03	— .12	45.3	+ 1.0	61	12	52	28	30	39	26	41	85	4.14	+ 2.8	14	3,830	se.	28	nw.	16	5	6	20	7.2	69	1892	20	1888
Los Angeles	330	18	29.66	30.02	— .07	52.2	— 1.1	77	10	61	37	26	44	27	43	76	5.84	+ 2.9	10	2,868	e.	18	sw.	16	13	4	14	5.2	84	1893	30	*
San Diego	93	24	29.92	30.02	— .08	53.2	— 0.5	77	11	61	36	29	45	25	45	78	7.33	+ 5.4	11	4,046	nw.	27	s.	16	17	6	8	4.2	80	1893	32	1894
San Luis Obispo	234	....	29.77	30.02	.....	49.7	.....	76	10	58	33	*	42	29	41	76	8.05	.....	13	3,783	nw.	33	nw.	16	13	6	12	5.3	....	....	....	....

NOTE.—The data at stations having no departures are not used in computing the district averages. Letters of the alphabet denote number of days missing from the record.

* Two or more directions, dates, or years. † Received too late to be considered in departures, etc. ‡ Normals of temperature and precipitation and extremes of temperature combined with Fort Washakie records. § Normals of temperature and precipitation and extremes of temperature combined with Fort Sully records.

TABLE II.—*Meteorological record of voluntary and other cooperating observers, January, 1895.*

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	*Ins.*	*Ins.*
Alabama.					
Alco	76	19	49.2	.....	T.
Asheville*[1]	60[h]	2[e]	37.9[g]	.....	.....
Bermuda†	75	17	47.6	6.75	
Brewton†	79	19	46.8	.....	.....
Carrollton*†[1]	70	14	43.6	9.27	T.
Citronelle†	70	22	49.9	6.85	
Claiborne Landing†	.....	.....	.....	8.60	T.
Collirene*[1]	74	16	45.2	7.09	
Cordova†	.....	.....	.....	8.61	
Daphne†*	81	17	49.6	4.73	0.2
Decatur†	66	3	38.2	7.61	T.
Demopolis†	.....	.....	.....	7.34	
Elba	60	15	41.0	7.11	
Eufaula *a*†	70	22	49.4	7.18	
Eufaula *c*†	.....	.....	.....	7.08	
Evergreen†	74	17	47.3	6.42	T.
Florence *a*†	.....	.....	.....	9.33	4.2
Florence *b*†	69	9	38.7	8.34	4.5
Fort Deposit†	72	15	46.3	7.34	
Gadsden†	68	2	41.6	7.97	T.
Greensboro†	71	15	42.6	8.70	
Healing Springs†	76	15	42.8	7.06	
Highland Home†	71	18	47.2	7.19	
Jasper†	66	3	40.4	8.54	
Livingston†	73	16	45.2	7.37	
Lock No. 4	.....	.....	.....	6.95	
Madison Station†	63	2	39.7	6.95	0.5
Maple Grove†	63	1	39.8	10.90	
Marion†	.....	.....	.....	6.79	
Montgomery	.....	.....	.....	.....	T.
Mount Willing†	75	14	47.0	7.38	
Newbern†	70	16	43.8	6.85	0.2
Newburg†	72	1	39.8	7.05	1.3
Opelika†	69	19	47.2	6.31	
Oxanna*†[1]	66	8	41.6	7.13	
Pine Apple†	74	8	42.5	7.59	
Pushmataha†	74	16	46.9	7.08	1.0
Rock Mills†	66	11	42.0	7.23	
Scottsboro	67	1	39.8	10.76	3.0
Selma†	.....	.....	.....	6.30	T.
Sturdevant†	.....	.....	.....	2.78	
Tallassee Falls†	.....	.....	.....	6.89	T.
Tuscaloosa†	69	15	42.1	7.42	
Union†	74	13	44.2	8.79	3.0
Union Springs†	71	14	46.0	6.12	T.
Uniontown†	72	10	45.2	6.89	
Valley Head†	64	6	39.2	7.32	.....
Warrior†	.....	.....	.....	8.16	
Wetumpka	.....	.....	.....	6.02	
Wilsonville†	.....	.....	.....	7.51	
Alaska.					
Juneau†	40	3	26.4	5.80	35.9
Killisnoo†	39	5	24.3	3.25	20.5
Arizona.					
Antelope Valley	.....	.....	.....	8.00	
Benson *a**[8]	75	30	45.2	0.00	
Bisbee*†[1]	64	29	44.0	1.20	10.15
Buckeye†	83	26	53.4	1.90	
Calabasas†	70	24	46.6	0.88	T.
Casa Grande*[8]	66	35	53.4	0.45	
Dragoon†	.....	.....	.....	1.23	2.5
Dragoon Summit*[5]	61	34	46.0	1.75	4.0
Dudleyville†	66	24	46.5	1.56	
Eagle Pass*[3]	.....	24	37.9	2.50	1.0
Farley's Camp†	75	26	50.0	6.80	
Flagstaff†	44	−13	25.6	12.60	126.0
Fort Apache	62	12	37.6	1.89	0.1
Fort Grant†	68[k]	26[k]	44.2[k]	1.65	0.3
Fort Huachuca	68	21	44.4	1.00	8.4
Gila Bend*[8]	73	35	53.6	0.81	
Globe†	61	25	43.2	2.33	T.
Holbrook†	56	15	35.4	2.46	1.9
Keams Canyon†	54	0	30.1	2.73	8.2
Maricopa*[8]	72	34	49.9	0.61	
Mount Huachuca†	64	21	43.6	1.84	9.5
Natural Bridge†	.....	.....	.....	7.16	T.
Navajo*†[3]	.....	16	33.7	1.60	T.
Nogales	77	20	50.2	1.82	3.0
Oracle†	67	26	46.0	2.39	2.0
Oro	.....	.....	.....	2.04	
Pantano*[8]	70	30	48.3	1.60	
Parker†	74	23	49.9	1.88	
Payson	.....	.....	.....	7.85	
Peoria†	69	31	50.2	1.72	
Red Rock	67	23	46.0	0.60	
Reymert†	70	28	49.1	3.86	
Rye†	64	20	43.5	5.56	
San Carlos	66	24	44.0	2.16	
San Simon*[8]	76	30	46.6	0.55	4.0
Show Low	.....	.....	.....	3.45	11.0
Signal†	68	26	47.6	3.80	
Sulphur Spring Valley†	.....	.....	.....	0.58	5.0
Texas Hill*[8]	78	29	53.0	0.00	
Tucson *c*†	76	27	52.0	0.56	
Whipple Barracks†	64	12	35.2	4.37	T.
Wilgus†	.....	.....	.....	1.35	8.0
Willcox*[8]	65	22	47.5	0.11	
***Arizona*—Cont'd.**					
Yuma*[8]	70	37	56.2	0.77	
Arkansas.					
Arkadelphia†	.....	.....	.....	7.07	4.0
Arkansas City†	.....	.....	.....	5.30	.....
Bee Branch†	72[f]	1[f]	39.8[f]	4.15	10.0
Blanchard Springs†	77	11	40.8	5.97	1.0
Brinkley†	70	11	39.0	6.18	7.0
Camden *a*†	.....	.....	.....	7.58	3.0
Camden *b*†	78	12	40.2	7.68	1.9
Conway*[1]	70	0	35.5	4.33	11.5
Corning†	68	−3	31.6	3.47	10.8
Dallas†	71	8	37.2	4.20	10.0
Dardanelle†	.....	.....	.....	2.90	16.0
Elon†	69[g]	12[g]	42.2[g]	5.55	0.8
Fayetteville†	71	−4	33.6	2.97	16.5
Forrest†	72	10	37.6	6.99	5.0
Fort Smith	.....	.....	.....	.....	12.4
Fulton†	.....	.....	.....	3.82	3.0
Helena *a*†	.....	.....	.....	9.17	4.5
Helena *b*†	75	12	39.4	8.63	5.0
Hot Springs *a*	70	5	37.2	6.25	13.5
Hot Springs *b*	.....	.....	.....	6.65	8.0
Jonesboro†[g]	70	3	40.2	1.11	.....
Keesees Ferry†	72	−5	32.6	2.73	9.8
Kirby	.....	.....	.....	8.30	10.0
La Crosse†[f]	68	−1	32.6	2.58	6.0
Little Rock	.....	.....	.....	.....	7.0
Lonoke*[1]	73	13	40.5	5.00	6.2
Luna Landing*[6]	73	14	43.3	.....	.....
Mount Nebo†	60	2	30.7	3.73	17.0
New Gascony*[1]	73[j]	15[g]	39.2[k]	9.38	4.5
Newport *a*†	.....	.....	.....	5.25	10.4
Newport *b*†	70	5	36.4	5.85	11.2
Newport *c*†	71	5	35.4	4.97	10.5
Osceola†	68	6	36.2	5.89	11.0
Ozark†	73	7	36.7	1.87	14.2
Pocahontas†[c]	67	1	32.3	3.07	7.0
Rison†	75	9	38.6	7.94	4.0
Rogers†	65	−8	27.2	.....	.....
Russellville	78	2	36.0	.....	.....
Searcy†	73	19	44.6	3.91	13.0
Stuttgart†	74	12	38.6	8.65	5.0
Texarkana†	75	19	42.4	3.29	.....
Washington†	74	12	40.0	4.59	2.5
Winslow†	64	−3	31.4	3.98	21.0
Witts Springs†	.....	.....	.....	3.01	13.0
California.					
Adin	49	−12	25.4	4.23	17.0
Ager	54	12	34.4	3.14	2.8
Arlington Heights	76	32	49.4	6.09	
Athlone*[8]	64	36	46.7	3.21	
Bakersfield	68	27	48.5	2.49	
Ballast Point L. H	.....	.....	.....	5.51	
Barstow†	64	15	41.8	1.06	
Bear Valley†	.....	.....	.....	29.22	209.0
Berkeley	62	34	46.6	10.88	
Bethany*[1]	60	32	47.2	4.73	
Bishop†	61[k]	9[k]	33.2[k]	2.60	12.0
Bishop Creek*[6]	59	11	36.0	1.10	T.
Boca*[8]	55	−23	26.1	8.36	83.0
Borden*[2]	60	28	47.1	2.91	
Caliente*[8]	67	37	49.3	5.28	
Calloway Canal	69	28	50.0	2.43	
Cape Mendocino L. H	.....	.....	.....	12.00	
Cedarville†	58	6	29.4	1.51	7.8
Centerville*[1]	68	37	51.2	6.81	
Chicago Park*[1]	58	26	39.0	18.17	38.0
Chino*[6]	71	28	47.8	9.02	
Chico*[8]	66	33	48.8	11.77	
Claremont†	70	30	47.0	8.26	
Cloverdale*[1]	62	31	48.8	26.45	
Colegrove	.....	.....	.....	5.84	
Corning*[5]	64	30	44.2	14.62	
Crescent City†	62	31	46.3	12.16	
Crescent City L. H.	.....	.....	.....	11.40	
Davisville *b*	83	33	52.4	8.71	
Delano*[8]	69	30	47.8	2.79	
Delta*[8]	55	30	40.2	18.55	24.0
Drytown	63	28	44.6	9.89	
Dunnigan*[8]	64	30	47.2	10.38	
Durham*[1]	62	30	45.1	8.92	
East Brother L. H.	.....	.....	.....	8.35	
Edgwood*[8]	51	11	33.1	4.56	23.0
Edmanton*[1]	46	12	29.2	26.11	177.0
Escondido	88	29	50.1	10.55	
Evergreen	.....	.....	.....	6.56	
Fall Brook*[1]	78	32	48.4	12.52	
Florin*[5]	60	29	46.9	7.08	
Folsom City *b**[1]	64	31	47.1	11.24	
Fordyce Dam†	.....	.....	.....	31.34	330.0
Fort Ross	.....	.....	.....	28.50	.....
Fremontville*[1]	78	31	49.8	6.76	
Georgetown†	61	25	39.8	20.52	50.0
Glendora	.....	.....	.....	12.24	
Gorman Station†	.....	.....	.....	6.23	
Goshen*[8]	62	29	46.0	3.74	
Grass Valley *a*	.....	.....	.....	22.26	17.0
***California*—Cont'd.**					
Greenville*†[1]	44	−2	25.5	23.78	113.5
Healdsburg*[1]	60	30	43.2	27.69	
Hendersons Ranch	.....	.....	.....	6.35	
Hollister *b*	.....	.....	.....	5.74	
Hueneme	.....	.....	.....	4.78	
Humboldt L. H.	.....	.....	.....	9.82	
Hydesville†	65	24	44.0	10.45	
Independence	.....	.....	.....	.....	0.5
Indio *a**[8]	59	28	48.0	6.01	
Iowa Hill*[1]	64	29	41.1	18.64	54.0
Jackson	56	27	39.8	12.04	10.2
Jolon	.....	.....	.....	6.16	
Julian†	64	21	41.4	16.32	12.0
Keeler*[8]	60	30	43.9	0.35	
Keene*[8]	65	25	43.9	6.03	
Kennedy Gold Mine	58	26	42.8	13.11	6.0
Kernville	.....	.....	.....	5.10	3.0
King City*[8]	70	28	52.9	3.89	
Kingsburg*[8]	58	30	46.4	3.33	
Kono Tayee	53	31	42.7	14.45	
Lagrange*[5]	59	32	46.8	5.17	
Laguna Mountains	.....	.....	.....	19.24	.....
La Porte*†[1]	50	13	29.8	22.01	176.0
Lemoore *a**[8]	64	29	46.4	2.32	
Lick Observatory†	58	23	36.4	10.00	51.0
Lime Kiln	80	30	50.0	.....	.....
Lime Point L. H	.....	.....	.....	7.27	.....
Lodi	59	29	46.4	7.46	
Los Alamos	.....	.....	.....	6.90	
Los Gatos *b*	62	30	44.9	14.67	
Malakoff Mine	.....	.....	.....	24.40	.....
Mammoth Tank*[8]	72	35	50.9	0.80	
Manzana	60	20	39.4	2.79	
Mare Island L. H.	.....	.....	.....	8.21	.....
Mariposa*[1]	67	25	42.2	11.79	2.0
Merced*[8]	59	30	45.8	2.12	
Middletown*†[1]	64	26	43.6	28.90	
Mills College	.....	.....	.....	9.79	
Milton (near)*[1]	62	32	49.0	8.65	
Modesto*[8]	61	28	45.8	4.05	
Mohave*[8]	62	24	42.9	2.66	
Mokelumne Hill*[8]	.....	28	41.4	10.06	3.0
Monterey*[8]	66	30	50.8	6.30	
Mountain View	.....	.....	.....	5.60	
Mount Glenwood*[1]	64	32	45.9	15.40	
Mutah Flat	.....	.....	.....	9.80	
Napa *b*	62	32	48.2	9.35	
Needles†	67	31	50.8	1.38	
Nevada City†	61	19	38.2	22.87	48.0
Newcastle *a*†	56	26	41.9	13.10	
Newhall*[8]	74	24	46.9	7.11	
Nordhoff†	84	30	51.6	8.61	
Oakland *a*	61	35	47.2	11.32	
Ogilby*[8]	78	40	56.8	0.45	
Oleta*[1]	60	22	39.8	13.25	6.0
Ontario *b*	72	31	49.0	10.65	
Orangevale†	59	29	44.8	9.53	
Orland*[8]	60	30	43.7	8.25	
Ormonde†	.....	.....	.....	22.23	82.0
Oroville *b*	63	32	46.8	11.92	
Palermo†	64	27	46.2	10.08	
Pasadena†	72	34	49.9	7.56	
Paso Robles *b*	64	26	45.6	6.43	
Petaluma*[1]	61	30	47.3	9.89	
Piedras Blancas L. H	.....	.....	.....	4.86	.....
Pigeon Point L. H.	.....	.....	.....	6.52	.....
Pilot Creek	.....	.....	.....	20.54	99.0
Placerville *b*	60	21	40.2	17.85	6.0
Point Ano Nuevo L. H.	.....	.....	.....	4.91	
Point Arena L. H	.....	.....	.....	13.61	
Point Bonita L. H.	.....	.....	.....	12.16	
Point Conception L. H	.....	.....	.....	3.86	
Point Fermin L. H	.....	.....	.....	4.55	
Point George L. H.	.....	.....	.....	10.04	
Point Hueneme L. H.	.....	.....	.....	5.31	
Point Lobos	62	38	47.8	5.61	
Point Loma L. H.	.....	.....	.....	3.74	
Point Montara L. H.	.....	.....	.....	8.65	
Point Pinos L. H.	.....	.....	.....	9.22	
Point Reyes L. H.	.....	.....	.....	9.43	
Point Sur L. H	.....	.....	.....	8.27	
Pomona (near)	72	30	51.7	8.73	
Portersville*[8]	68	32	48.6	3.82	
Poway*[8]	.....	29	45.8	12.65	
Ravenna*[8]	68	33	46.0	2.35	
Redding *b*†	66	30	43.4	12.84	1.0
Redlands *a*	.....	.....	.....	8.66	
Reedley (near)*[1]	64	32	47.8	4.00	
Represa	60	27	45.3	11.36	
Rio Vista	60	28	45.0	7.96	
Riverside†	79	27	49.8	6.21	
Roe Island L. H.	.....	.....	.....	6.93	
Rosewood*[1]	62	28	40.7	11.93	5.0
Sacramento *a*	62	30	47.2	9.17	
Salinas	.....	.....	.....	5.05	
Salton*[3]	69	37	50.9	.....	
San Bernardino†	73	27	47.7	7.39	

TABLE II.—*Meteorological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
California—Cont'd.	°	°	°	*Ins.*	*Ins.*
San Jacinto†	77	27	48.0	7.81	
San Jose *b*	64	21	45.0	6.28	
San Leandro*[1]	67	37	51.5	8.21	
San Luis L. H	.....	.....	.....	6.04	
San Luis Obispo *a*	.....	.....	.....	8.02	
San Mateo*[5]	62	35	49.6	9.50	
San Miguel*[5]	63	26	47.8	4.22	
San Miguel Island†	70	39	54.9	4.10	
San Rafael†	59	27	45.5	18.75	
Santa Ana*[5]	78	38	48.7	7.10	
Santa Barbara *a*	72	38	51.7	6.25	
Santa Barbara L. H	.....	.....	.....	6.34	
Santa Clara *a**[6]	63	30	47.5	5.93	
Santa Clara *b*	65	26	43.1	4.37	
Santa Cruz *b*†	68	32	50.8	9.11	
Santa Cruz L. H	.....	.....	.....	9.18	
Santa Maria	73[c]	34[c]	52.7[c]	4.43	
Santa Monica*[5]	80	31	51.7	6.76	
Santa Paula *b*†	70	29	46.0	6.90	
Santa Rosa*[5]	59	30	48.4	18.42	
Saticoy†	.....	.....	.....	6.78	
Shasta Springs†	47	12	33.9	11.82	108.5
Skye Valley	.....	.....	.....	15.74	.....
Sneddens Ranch	.....	.....	.....	6.31	
SE. Farallone L. H	.....	.....	.....	8.45	
Stanford University	64	31	46.6	6.54	
Stockton *a*	59	30	45.6	5.24	
Summerdale†	.....	.....	.....	16.04	74.0
Susanville*†[1]	56	— 3	29.9	10.29	65.5
Sutter Creek*[5]	56	22	38.2	9.34	.....
Tehama*[5]	68	32	46.1	11.23	
Tejon Ranch	.....	.....	.....	5.05	.....
Templeton*[5]	64	28	46.2	7.71	
Trinidad L. H	.....	.....	.....	8.08	.....
Truckee*[5]	45	—11	22.7	11.73	109.0
Tulare *b*	.....	.....	.....	4.11	
Tulare *c*	70	28	48.7	3.52	
Turlock *b*†	59	25	44.8	3.66	
Ukiah†	63	25	44.3	19.20	
Upper Lake	65	28	43.1	14.92	
Upper Mattole*[1]	66	30	48.4	23.37	
Vacaville *a**[1]	62	32	46.6	12.81	
Ventura†	74	36	51.8	6.11	
Visalia	.....	.....	.....	4.30	
Volcano Springs*[6]	80	40	58.4	1.42	
Walnut Creek	62	24	45.0	9.64	
Wenrich Ranch	.....	.....	.....	4.79	
West Point†	.....	.....	.....	14.80	.....
Wheatland	59	31	45.2	8.95	
Williams*[5]	65	30	46.1	6.32	
Willows *b**[5]	64	32	43.7	9.97	
Wilmington*[6]	71	38	55.0	.....	
Winchester†	74	27	48.6	6.17	
Wire Bridge*[5]	61	28	45.0	14.44	
Yerba Buena L. H	.....	.....	.....	7.10	
Yreka†	53	9	32.2	5.30	.....
Yuba City*[5]	62	34	47.8	9.58	
Engineers Quarters‡	.....	.....	.....	15.25	57.5
Morses House‡	.....	.....	.....	18.00	59.0
Grass Valley‡	.....	.....	.....	16.65	45.4
Deep Creek‡	.....	.....	.....	13.14	48.2
Holcomb Creek‡	.....	.....	.....	10.06	58.5
Squirrel Inn‡	.....	.....	.....	14.22	.....
Green Valley‡	.....	.....	.....	14.38	52.0
Tunnel No. 2‡	.....	.....	.....	9.94	32.3
Colorado.					
Abbott	.....	.....	.....	0.65	6.5
Alma†	36	—17	14.0	1.31	13.0
Antlers†	57	—17	21.7	1.36	.....
Boulder†	58	— 7	27.8	0.30	5.3
Box Edler	.....	.....	.....	0.48	8.0
Breckenridge†	40	—26	12.0	3.29	33.0
Byers*[1]	60	—10	21.1	.....	.....
Canyon†	63	— 7	31.6	0.08	1.0
Climax*†[1]	33	—16	9.2	5.80	58.0
Collbran*	.....	.....	.....	2.96	29.6
Colorado Springs†	58	—10	27.8	0.10	0.4
Cope†	56	— 4	24.0	1.10	11.0
Craig	.....	.....	.....	0.42	10.2
Crook	56	—27	15.8	0.80	8.0
Deer Trail*[5]	58	— 8	26.2	.....	3.0
Delta†	52	2	28.4	1.15	3.5
Denver	.....	.....	.....	.....	5.0
Divide Exper. Station	53	—12	23.6	0.19	2.0
Downing†	60	— 2	30.2	0.23	.....
Dumont	56	—10	25.5	0.40	4.0
Durango†	48	— 5	26.3	2.10	18.5
First View*[6]	52	0	23.9	.....	5.0
Fleming	.....	.....	.....	1.30	13.0
Fort Collins†	57	—10	23.9	0.24	2.2
Fox	.....	.....	.....	0.73	8.5
Garnett	.....	.....	.....	T.	.....
Glen Eyrie†	56	— 8	27.2	0.11	.....
Gold Hill*[5]	52	— 6	28.2	0.31	3.1
Grand Junction†	50	12	30.6	1.24	10.5
Greeley†	.....	.....	.....	0.27	3.0
Gunnison†[j]	40	—32	5.8	2.79	.....

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Colorado—Cont'd.	°	°	°	*Ins.*	*Ins.*
Holly	.....	.....	.....	0.60	6.0
Holyoke	.....	.....	.....	0.42	4.2
Hotchkiss	.....	.....	.....	0.95	.....
Hugo*[5]	62	— 6	25.3	.....	6.0
Hugo (near)†	58	—10	24.8	0.15	.....
Husted†	62	—11	28.2	0.10	0.2
Julesburg†	55	—17	20.1	0.05	3.5
Kit Carson*[1]	62	0	28.4	.....	.....
La Jara†	56	— 6	25.8	0.22	2.8
Lake Moraine†	44	—10	18.0	0.80	8.0
La Porte	.....	.....	.....	0.38	3.8
Las Animas†	65	—12	24.4	0.60	6.0
Lay*†[1]	44	—30	17.0	1.22	12.2
Le Roy†	54	—10	21.6	0.73	7.3
Loveland	.....	.....	.....	0.28	3.6
Longmont†	59[c]	0	27.0[c]	0.32	3.2
Manhattan	.....	.....	.....	0.70	10.0
Meeker†	52	—23	22.0	1.66	22.2
Minneapolis†	70	—16	28.5	0.85	8.5
Monte Vista	49	—17	19.4	0.19	4.0
Moraine†	45	—10	23.0	0.42	5.5
Ouray†	49	— 2	23.4	6.85	68.8
Pagodo (near)†	43	—24	16.8	3.00	30.0
Paonia†	.....	.....	.....	2.60	11.0
Parachute†	44[d]	—10[d]	22.0[d]	1.65	16.0
Pueblo	.....	.....	.....	.....	5.0
Rangely†	49	—28	11.3	1.18	13.5
Red Cliff	.....	.....	.....	3.35	33.5
Rico	.....	.....	.....	7.20	72.0
Rocky Ford†	65	—11	26.9	0.26	2.6
Ruby†	.....	.....	.....	14.44	144.0
Saguache†	48	— 9	18.6	0.30	3.0
St. Cloud	.....	.....	.....	0.22	2.2
San Juan†	44	—29	10.2	2.49	25.2
San Luis†	53	—12	21.6	0.81	8.2
Santa Clara*†[1]	56	— 6	24.5	0.70	7.0
Seibert†	.....	.....	.....	0.32	7.0
Smoky Hill Mine†	60	—12	27.8	0.60	6.0
Springfield†	.....	.....	.....	0.42	4.2
Spring Gulch†	.....	.....	.....	1.64	26.0
Stamford*[1]	46	—10	20.8	1.40	14.0
Sunnyside[d]	49	—12	19.5	1.22	13.2
Surface Creek†	47	— 3	26.5	2.90	29.0
Thon†	59	—11	27.4	0.04	2.0
T. S. Ranch†	48	2	26.6	1.50	11.5
Twin Lakes	.....	.....	.....	1.60	32.0
Vernon†	60	— 7	26.8	1.53	6.5
Vilas	.....	.....	.....	0.80	8.0
Wallet†	.....	.....	.....	1.00	10.0
Watkins*[1]	50	0	25.2	.....	.....
Yuma	.....	.....	.....	1.20	12.0
Connecticut.					
Bridgeport*[1]	46	6	26.7	5.65	12.7
Canton	45	— 4	23.0	3.78	14.0
Colchester	50	3	25.2	4.79	11.5
Greenfield Hill	.....	.....	.....	5.03	13.8
Hartford *b*	.....	.....	.....	4.64	17.0
Hartford *c*	45	5	25.3	.....	
Lake Konomoc	.....	.....	.....	5.38	.....
Middletown	48	0	25.5	5.66	17.5
New Hartford *b*	.....	.....	.....	4.64	17.0
New Haven	.....	.....	.....	.....	13.9
New London	.....	.....	.....	.....	10.0
North Grosvenor Dale	44	— 6	21.4	4.45	17.0
Norwalk	50	0	25.1	4.35	11.0
Southington*[1]	45	1	23.8	4.33	20.0
South Manchester	.....	.....	.....	4.42	14.0
Storrs	48	1	24.1	5.78	14.8
Thompson*[1]	46	0	23.1	.....	.....
Voluntown†	55	0	27.4	5.61	.....
Wallingford	.....	.....	.....	5.59	13.2
Waterbury†	48	3	26.0	4.86	22.0
West Simsbury	.....	.....	.....	3.96	19.0
Windsor	42	— 4	22.3	4.68	18.7
Delaware.					
Dover†	60	14	32.4	5.47	6.0
Kirkwood[2]	.....	.....	28.0	.....	.....
Milford	62	12	34.0	4.85	7.5
Millsboro	65	13	33.7	5.29	7.5
Newark	53	7	28.6	4.85	4.5
Seaford†	61	12	33.0	4.63	10.5
Wilmington	55	12	31.2	5.47	4.5
District of Columbia.					
Dist'ing Reservoir*[5]	55	5	30.7	3.12	.....
Receiving Reservoir*[5]	55	8	31.1	4.32	.....
Washington	.....	.....	.....	.....	8.7
West Washington	64	7	33.4	4.26	10.6
Florida.					
Amelia†	73	24	52.1	4.50	
Archer†	84	25	58.4	5.05	
Avon Park†	86	35	63.8	1.28	
Brooksville	80	34	59.0	4.37	
Clermont†	83	34	61.0	4.07	
De Land†	83	31	60.2	.....	
Eustis†	85	20	60.6	3.38	
Federal Point†	83	28	57.7	2.51	
Fort Meade†	83	35	62.0	2.17	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Florida—Cont'd.	°	°	°	*Ins.*	*Ins.*
Grasmere†	82	31	61.0	4.02	
Green Cove Springs†	81	25	55.0	5.43	
Homeland†	82	34	60.6	1.82	
Hypoluxo*†[1]	82	44	66.8	1.70	
Kissimmee†	84	33	62.8	0.70	
Lake City†	77	27	58.1	5.86	
Manatee†	83	32	59.8	2.41	
Merritts Island†	80	36	62.8	2.26	
Moseley Hall†	73	24	54.0	9.26	
Mullet Key†	72	35	58.8	1.85	
Myers†	83	39	63.8	2.06	
New Smyrna†	81	32	58.7	1.44	
Oak Hill*[1]	78	37	62.6	.....	
Ocala*†[1]	83	28	57.9	1.60	
Orange City†	83	31	60.4	2.07	
Orange Park	77	24	54.6	4.43	
Orlando†	85	36	62.2	1.29	
Pensacola	.....	.....	.....	.....	T.
Plant City†	85[e]	34[e]	63.1[e]	3.03	
St. Francis Barracks	82	32	57.4	3.00	
Tallahassee†	72	22	50.3	6.80	
Tarpon Springs†	80	29	58.6	3.65	
Georgia.					
Adairsville†	68	2	37.4	9.29	0.2
Alapaha†	74	21	50.2	10.77	
Albany†	74	20	49.4	10.40	
Americus†	72	15	49.2	8.44	.....
Athens *a*	69	6	40.7	7.55	T.
Athens *b*†	65[n]	9[n]	41.4[n]	6.65	.....
Atlanta	.....	.....	.....	.....	T.
Augusta	.....	.....	.....	.....	T.
Bainbridge *b*†	.....	.....	.....	8.40	
Blakely*†[6]	68	20	48.1	10.10	
Brag†	77	17	47.8	9.43	.....
Brunswick†	74	24	50.7	4.45	
Camak†	64	10	42.0	7.53	.....
Canton†	.....	.....	.....	8.87	T.
Clayton†	65	1	37.9	10.49	6.0
Columbus†	76	20	48.4	7.45	
Covington	67	8	42.4	6.47	T.
Dahlonega†	67	1	38.7	10.44	3.0
Darien†	78	20	56.6	4.12	
Dublin *b*†	.....	.....	.....	9.60	
Elberton†	71	5	39.3	7.09	
Fleming†	79	18	49.0	7.05	
Forsyth*[1]	74	15	47.6	6.05	T.
Hawkinsville†	78	26	49.4	9.72	
Hephzibah*†[6]	64	12	46.3	7.75	.....
Lagrange†	66	9	43.0	7.65	.....
Leverett[d]	70	9	41.1	.....	.....
Louisville†	75	12	44.8	8.79	.....
Macon *b*†	.....	.....	.....	7.35	
Marietta†	66	5	39.8	6.23	T.
Marshallville†	71	15	47.4	8.55	
Millen	76[e]	24[e]	48.5[e]	9.19	.....
Monticello*†[1]	68	14	44.6	6.14	
Morgan†	74	19	49.0	7.66	
Piscola	74	22	51.6	11.75	
Point Peter*[1]	60	9	40.6	8.10	.....
Poulan†	73	15	48.1	9.83	
Quitman†	72	20	51.0	11.64	
Ramsey†	67	2	40.0	7.43	3.8
Resaca†	.....	.....	.....	9.06	2.5
Reynolds†	.....	.....	.....	7.75	
Rome†	69	5	40.2	10.29	1.0
Talbotton†	69	12	45.6	7.64	.....
Thomasville†	75	20	50.7	10.17	
Toccoa†	70	4	40.8	8.46	6.0
Washington†	67[d]	8[d]	43.8[d]	6.33	
Whitesburg†	.....	.....	.....	7.87	
Idaho.					
American Falls†	42	—22	22.2	0.95	.....
Atlanta†	40	— 6	19.5	4.28	53.0
Bliss†	55	— 6	26.9	1.27	5.2
Boise Barracks†	52	0	31.0	2.48	7.9
Challis	46	—16	17.6	0.30	3.0
Chesterfield†	44	—34	15.5	0.77	18.0
Fort Sherman†	45	3	25.7	7.00	57.0
Fraser†	50	5	29.8	2.87	.....
Garden Valley†	44	—10	22.4	5.90	21.0
Gibbonsville†	.....	—22	.....	3.15	41.0
Grangeville	51	2	28.7	2.06	16.9
Halley†	48	—22	18.8	4.84	43.6
Idaho City†	40	—13	22.0	3.23	30.7
Idaho Falls	.....	.....	.....	.....	11.0
Kootenai†	46	— 3	21.0	4.10	29.5
Lake†	36	—24	10.8	4.80	48.0
Lewison†	52	2	30.4	2.51	13.5
Lost River	.....	.....	.....	2.40	22.8
Martin†	45	—21	16.0	2.65	41.0
Moscow†	46	1	28.6	2.13	20.1
Murray†	44	— 5	24.8	5.49	49.0
Nampa	51	2	28.8	0.59	5.5
Oakley†	44	—13	26.8	1.15	11.5
Paris†	51	—29	20.0	0.97	9.7
Payette†	46	— 4	26.2	2.08	13.7
Salubria†	46	—17	21.4	4.14	38.6

TABLE II.—*Meteorological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	*Ins.*	*Ins.*
Idaho—Cont'd.					
Swan Valley†	42	—31	21.8	1.55	40.8
Three Creek†	55	—25	24.6	1.27	12.7
Illinois.					
Albion†	60	— 9	26.3	4.25	16.0
Atwood*†[3]	.....	—10	15.6	0.93	2.5
Aurora	48	—16	14.8	1.53	13.6
Beardstown†	.....	.....	.....	1.45	15.0
Bloomington†	55	—13	17.5	1.26	7.9
Braidwood†	54	— 8	19.8	1.82	13.0
Bushnell†	52	—15	18.6	1.62	15.0
Cairo	.....	.....	.....	.....	15.1
Carlinville†	65	— 7	22.8	1.08	5.8
Carlyle	.....	.....	.....	2.30	.....
Carrollton	.....	— 8	.....	.....	6.2
Chemung*†[1]	42	—18	12.9	1.47	16.5
Chester†	.....	.....	.....	3.58	10.0
Chicago	.....	.....	.....	.....	15.4
Clear Creek†	55	—16	18.1	1.00	7.0
Cordova	.....	.....	.....	1.89	16.5
Decatur†	60	—10	22.0	1.19	5.5
Dixon	49	—15	13.9	1.22	9.0
East Peoria†	55	—14	20.0	1.68	10.5
Effingham†	48	— 9	20.6	1.05	10.5
Evanston*[10]	50	—15	17.0	.....	
Fort Sheridan†	50	—12	15.5	2.61	12.2
Galva†	51	—17	16.4	1.33	9.0
Gilman†	55	—10	19.6	0.87	3.0
Golconda†	65	— 2	31.8	3.79	13.6
Grafton†	.....	.....	.....	0.38	3.6
Greenville†	64	— 8	23.6	1.93	8.5
Griggsville†	60	—10	21.9	1.36	13.8
Halliday*[5]	56[d]	— 3[d]	27.9[d]	2.80	11.0
Havana†	58	— 7	22.8	1.36	8.0
Herrins Prairie*[1]	58	0	28.1	3.35	10.5
Jordans Grove†	60	— 4	27.4	1.50	4.8
Kankakee†	55	— 9	17.2	1.00	.....
Lagrange†	52	—13	17.5	1.64	17.8
Lexington*†[1]	50	— 9	19.3	1.23	4.8
Louisville†	59	— 8	26.7	3.46	10.3
Martinsville†	54	—11	22.6	2.56	15.5
Mascoutah*[5]	58	— 6	24.0	3.36	10.6
Mattoon*[1]	51	— 1	26.3	0.57	3.2
Monmouth†	49	—15	17.4	1.42	12.0
Mount Carmel†	.....	.....	.....	5.84	20.0
Mount Pulaski	58	— 9	21.0	1.25	8.8
Olney *a**[1]	59	—10	26.6	4.25	16.4
Olney *b**[1]	52	— 7	21.8	4.64	.....
Oregon	46	—19	13.1	1.85	12.5
Oswego*[1]	46	—14	13.3	1.33	9.6
Ottawa†	52	—12	15.6	1.22	8.8
Palestine†	50	—11	24.8	4.37	17.5
Paris†	56	—11	22.2	1.71	13.0
Peoria *a*†	.....	.....	.....	1.47	9.0
Peoria *b*	50	—10	20.2	1.32	7.0
Philo	57	—16	19.8	1.08	5.2
Rantoul*†[5]	52	—11	19.8	1.34	7.8
Riley†	45	—15	12.4	2.09	14.4
Rockford*†[1]	48	—15	14.2	2.27	18.5
Rushville	59	— 9	21.8	1.75	13.0
St. Johns*†[3]	54	— 1	25.8	2.07	8.0
Springfield	.....	.....	.....	.....	6.3
Streator†	48	—11	17.0	1.55	5.5
Sycamore*†[1]	44	—12	15.1	1.35	9.3
Tuscola*†[1]	49	— 9	21.5	0.83	5.2
Walnut†	51	—14	15.8	1.92	12.0
Winnebago†	45	—16	12.2	1.42	13.0
Zion†	62[j]	—10[n]	20.0[l]	1.82	13.2
Indiana.					
Angola*[1]	46	—10	19.4	2.65	21.2
Ashboro	58	—13	23.2	3.06	17.5
Butlerville†	58	—15	25.4	7.23	21.6
Cambridge City†	55	—17	22.0	3.27	11.4
Cannelton†	70	— 4	29.0	4.06	14.4
Clinton†	55	—11	23.0	.....	14.2
Columbia City*[1]	50	—12	18.8	1.92	14.5
Columbus†	59	—13	23.6	4.06	18.5
Connersville†	58	—15	22.6	4.00	13.0
Degonia Springs*[6]	62	— 8	28.1	5.01	22.5
Delphi	57	—18	19.0	2.64	21.5
Edwardsville*†[1]	60	—10	29.1	5.52	22.8
Evansville†	60	— 8	25.6	3.95	16.0
Farmland†	56	—10	23.0	2.76	14.0
Franklin*[1]	58	—16	23.1	3.43	17.5
Hammond†	54	—12	13.9	3.00	19.0
Huntingburg†	58	— 6	27.5	12.50	15.0
Huntington	54	—11	19.8	2.69	22.0
Indianapolis	.....	.....	.....	.....	19.9
Jasper†	58	—10	26.9	4.49	22.0
Jeffersonville	60	—11	29.7	4.18	16.5
Kokomo†	54	—17	20.9	2.02	18.2
Laconia	62	—11	28.5	4.55	9.5
Lafayette†	56	—24	19.7	2.92	13.2
Logansport *a*†	.....	.....	.....	2.07	18.4
Logansport *b*	48	—14	20.6	2.19	22.0
Madison†	60	—13	29.0	7.37	26.5
Marengo*[1]	57	—12	28.2	9.80	22.0
Marion†	55	—18	21.3	1.84	15.0
Indiana—Cont'd.					
Mauzy†	56	—16	22.1	4.51	22.5
Mount Vernon†	.....	.....	.....	3.91	15.2
Muncie[d]	51	— 7	24.8	.....	.....
Plymouth†	52	—18	18.7	2.14	17.5
Princeton*†[1]	57	— 9	26.0	4.61	11.6
Rensselaer†	.....	.....	.....	1.85	16.0
Rockville†	55	—14	21.2	1.69	12.5
Rushville†	.....	.....	.....	3.92	18.0
Scottsburg*[1]	56	—10	26.1	5.66	19.0
Seymour†	58	—12	23.8	6.57	26.8
Shelbyville	57[d]	—18[d]	23.4[d]	4.15	14.0
South Bend†	53	—12	17.8	3.77	32.0
Sunman*[5]	47	—16	19.8	5.65	11.5
Terre Haute†	47	— 9	23.5	2.26	12.6
Valparaiso†	52	—18	15.7	1.95	16.0
Vevay	58	—10	28.3	5.68	18.0
Vincennes†	60	—11	25.5	4.58	16.5
Worthington†	57	—12	24.3	4.25	15.0
Indian Territory.					
Eufaula†	.....	.....	.....	1.20	14.0
Healdton†	75	0	40.4	0.46	6.0
Kemp†	76	9	40.2	1.49	7.0
Lehigh†	76	— 1	37.6	0.92	6.0
Pursell†	72	— 2	36.6	0.95	4.5
Tahlequah	76	5	37.3	2.20	19.5
Tulsa†	.....	.....	.....	1.20	.....
Iowa.					
Afton	62	—14	14.6	0.40	4.0
Algona*[1]	44	—18	9.9	0.49	4.9
Alta†	45	—15	10.2	0.44	5.0
Amana†	52	—19	12.8	1.26	9.0
Ames *b*	59	—22	11.8	0.09	.....
Ames *c*	.....	.....	.....	0.24	.....
Atlantic†	64	—14	16.1	0.10	0.5
Atlantic (near)	61	—13	16.6	0.32	1.5
Audubon	60	—15	15.8	0.40	4.0
Belle Plaine	45	—16	12.4	2.08	17.0
Bonaparte†	64	—17	17.8	1.30	12.0
Carroll	62	—18	12.7	0.58	5.8
Cedar Falls†	42	—19	10.9	1.25	12.5
Cedar Rapids†	54	—14	14.8	1.56	11.4
Centerville†	65	—11	20.0	2.65	9.0
Charles City†	40	—20	8.5	1.25	10.5
Clarinda†	67	—14	17.6	0.39	6.0
Clinton	49	—17	14.0	1.89	16.5
College Springs[f]	67	—13	22.5	0.40	4.0
Corning†	66	—15	18.2	0.30	3.0
Cresco†	38	—20	6.9	0.87	9.0
Davenport	.....	.....	.....	.....	10.4
Decorah†	37	—22	7.4	1.45	14.5
Delaware*[3]	.....	—21	8.8	0.72	8.8
Des Moines	.....	.....	.....	.....	15.6
Dubuque	.....	.....	.....	.....	14.0
Elkader†	40	—31	9.4	1.37	18.0
Emmetsburg	38	—22	8.8	0.29	3.4
Fairfield†	60	—15	16.3	1.08	8.0
Fayette	43	—24	10.0	1.42	13.4
Forest City	41	—21	5.2	0.15	0.5
Fort Madison*†[1]	48	—12	22.4	0.74	18.7
Galva†	55	—15	18.6	0.14	.....
Glenwood†	62	—18	18.2	0.61	5.0
Grand Meadow*[1]	37	—18	10.0	1.60	17.0
Greenfield†	64	—21	16.9	0.59	5.9
Grinnell	50[e]	—12[e]	11.6[e]	0.73	5.8
Grundy Center	46	—22	10.9	0.28	12.0
Hampton	43	—20	8.5	0.95	9.5
Hawkeye	.....	.....	.....	1.80	18.5
Hopeville†	63	—13	17.0	0.30	.....
Hopkinton*[5]	40	—16	13.3	1.50	11.5
Humboldt	.....	.....	.....	0.10	1.0
Independence†	47	—20	11.0	0.96	9.7
Indianola†	63	—19	17.7	1.15	.....
Iowa City†	48	—21	14.4	2.37	18.7
Iowa Falls†	47	—26	9.8	0.89	10.0
Jefferson†	65	—14	14.2	.....	.....
Keokuk	.....	.....	.....	.....	11.7
Keosauqua†	62	—15	18.4	1.00	10.0
Knoxville	61	—13	15.7	1.10	14.0
Larrabee†	40	—17	10.7	0.25	2.6
Le Claire†	.....	.....	.....	1.24	.....
Logan†	60	—16	16.0	0.40	4.0
Mason City†	39	—18	9.2	0.51	5.1
Maxon*[1]	64	—18	14.1	1.15	5.0
Mechanicsville	41	—15	13.1	1.70	16.9
Monticello*†[1]	45	—18	11.8	0.98	9.5
Moore	42	—28	9.2	.....	.....
Mount Pleasant*[2]	50	.....	16.6	0.25	2.5
Mount Vernon*[1]	47	—19	12.0	.....	.....
Newton	58	—16	14.6	0.81	9.6
Ogden	64	—20	13.9	0.32	6.3
Osage*†[3]	.....	—19	6.2	0.86	8.5
Osceola	59	—14	15.9	0.76	7.8
Oskaloosa†	62	—16	16.7	0.62	5.8
Ottumwa	64	—12	17.8	1.59	9.9
Ovid†	62	—14	17.9	0.94	7.7
Panama†	58	—13	15.6	0.17	0.2
Rock Rapids	37	—26	6.2	1.00	10.0
Iowa—Cont'd.					
Rockwell City	58	—20	10.4	0.48	1.7
Sac City†	56	—15	11.4	0.50	5.0
Seymour†	65	—12	18.7	0.60	7.0
Sibley	37	—21	8.5	0.63	6.5
Sioux City	.....	.....	.....	.....	1.1
Spirit Lake†	45	—22	7.3	0.60	6.0
Toledo*[1]	49	—20	12.9	1.10	11.0
Villisca†	68	—15	17.2	0.37	3.7
Vinton*[1]	41	—17	12.1	1.65	16.5
Washington†	54	—16	15.2	1.25	13.0
Waukee	61	—14	18.4	1.01	10.1
Williams*[1]	49	—21	9.0	1.10	12.8
Wilton Junction†	51	—20	14.1	0.82	15.5
Winterset†	64	—17	15.5	0.95	9.5
Kansas.					
Abilene†	71	— 4	25.0	0.60	6.0
Achilles*[3c]	60	— 8	18.7	0.37	3.8
Allison*†[2]	57	— 2	20.8	0.31	3.0
Altoona*†[3]	67	— 2	24.4	0.91	9.5
Atchison†	70	—11	22.6	0.96	3.8
Beloit†	.....	.....	.....	0.30	3.0
Blaine*[1]	66	—14	20.6	0.52	5.0
Burlington†	70	— 9	22.4	0.85	8.5
Coffeyville*[1]	80	— 1	30.4	1.00	10.0
Colby†	56	— 7	23.6	0.34	3.4
Coldwater†	68	— 2	27.1	2.01	9.5
Collyer*[3]	60	2	22.4	0.17	1.8
Columbus†	73	— 5	27.2	1.23	13.8
Concordia	.....	.....	.....	.....	5.1
Coolidge†	62	— 3	26.4	0.40	4.0
Cunningham†	67	— 5	26.4	1.06	10.0
Dodge City	.....	.....	.....	.....	5.5
Downs	.....	.....	.....	0.36	4.0
Eldorado†	68	0	26.6	0.60	6.0
Elk City*[1]	75	— 2	29.0	0.90	9.0
Ellinwood*[6]	62	— 2	24.2	1.32	7.8
Emporia†	65	— 4	27.2	0.60	6.0
Englewood	72	— 7	28.2	0.40[a]	2.2
Eureka Ranch†	63	— 6	24.0	0.95	5.0
Fort Riley†	70	— 7	23.8	0.41	3.9
Frankfort†	71	—11	24.4	0.15	1.5
Garden City†	64	— 4	26.4	0.33	1.1
Garfield	.....	.....	.....	0.22	2.5
Gibson*[1]	60	— 5	21.9	0.25	2.5
Girard*[1]	69	— 7	25.7	1.14	14.0
Gove*†[1]	62	— 2	24.1	0.25	2.5
Grainfield*[6]	65	— 5	28.0	0.20	2.0
Grenola*[1]	74	— 2	29.2	0.60	6.0
Grinnell*[3]	60	— 2	22.0	.....	5.2
Halstead	65	— 4	25.0	0.37	3.2
Hays City†	63[d]	— 9[d]	20.2[d]	0.30	3.0
Horton†	70	— 7	22.3	0.25	3.0
Hutchinson†	70	— 1	28.8	0.57	5.0
Independence†	75	— 2	28.7	0.74	7.2
Ionja†	67	—12	22.4	0.60	6.0
Jaqua†	65	— 5	25.2	0.55	4.0
Johnson†	65	— 2	28.8	0.43	4.0
Kiowa†	76	— 7	29.4	0.70	2.0
Lakin†	57	0	28.2	0.40	4.0
Lawrence	73	— 9	25.4	0.83	7.1
Lebo†	69	— 4	25.6	0.72	7.1
Leoti	61	— 5	25.2	1.00	10.0
Macksville†	67	— 2	24.4	0.20	4.0
McPherson†	68	— 5	23.4	0.30	T.
Manhattan *b*	72	— 8	23.7	0.69	6.1
Manhattan *c**[1]	70	— 7	22.0	0.57	6.0
Medicine Lodge	.....	.....	.....	0.79	2.8
Minneapolis†	67	—10	23.0	0.35	3.5
Morland†	64	— 6	24.6	0.46	3.1
Morton†	66	— 7	30.0	0.65	6.5
Mount Hope*[1]	70	3	29.1	0.50	6.0
New England Ranch†	62	—17	22.5	0.06	2.0
Oberlin†	.....	.....	.....	0.35	2.5
Olathe	65	— 8	24.0	0.30	3.0
Oswego†	76	—11	26.7	1.61	13.0
Pleasant Dale†	65	— 5	23.6	0.75	7.3
Quinter*[1]	45	1	23.6	0.40	4.0
Rome*†[1]	67	0	30.0	0.56	7.0
Salina†	50	— 5	20.8	0.50	5.0
Sedan†	75	— 2	29.4	0.56	4.5
Sharon Springs*[1]	60	3	29.0	0.80	8.0
Silver Lake	.....	.....	.....	0.82	5.8
Topeka	.....	.....	.....	.....	5.0
Tribune	59[e]	— 4[e]	24.8[e]	0.60	6.0
Wakefield*[1]	79	— 6	25.4	0.54	5.8
Wallace *a*	.....	.....	.....	0.56	7.8
Wamego*[1]	68	— 8	22.6	0.70	7.0
Wellington*[1]	70	2	31.3	0.06	0.6
Wichita	.....	.....	.....	.....	6.0
Winfield*[5]	66	— 4	28.2	0.49	4.5
Winona*[6]	58	.....	21.5	0.42	4.2
Yates Center†	70	— 6	25.0	0.74	12.0
Kentucky.					
Alpha*†[1]	61	— 3	34.6	8.80	18.0
Blandville†	67	— 4	30.3	5.11	18.5
Bowling Green *a**†[1]	60	— 8	30.1	5.83	10.0
Bowling Green *b*†	62	— 7	32.6	5.28	9.0

TABLE II.—*Meteorological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	*Ins.*	*Ins.*
Kentucky—Cont'd.					
Burnside†	.....	.....	.....	7.47	5.0
Caddo†	64	—13	29.8	5.60	.....
Canton*†[1]	65	0	33.2	6.53	11.5
Carrollton†	.....	—10	.....	3.95	.....
Catlettsburg*†[5]	55	— 3	30.0	4.91	11.0
Cromwell*[1]	58	—16	31.3	1.32	4.6
Earlington	65	— 4	31.4	6.70	22.0
Eddyville†	.....	.....	.....	5.17	12.5
Edmonton†	61	— 8	31.8	5.57	15.0
Eubank†	59	—14	29.3	6.27	14.8
Falmouth†	.....	.....	.....	5.62	6.0
Fords Ferry†	65	— 4	30.6	4.54	11.0
Franklin*†[1]	60	— 7	34.7	6.90	18.5
Georgetown	60	—14	28.2	.....	.....
Greendale*[1]	57	—14	27.3	5.27	13.0
Greensburg*†[1]	60	— 8	31.1	6.73	14.0
Henderson†	64	0	30.9	5.34	13.0
Hendricks	60	— 5	31.4	5.77	12.2
Herbert	62	—10	30.2	2.16	10.3
Lexington	.....	.....	.....	.....	14.8
Louisa†	.....	.....	.....	6.61	.....
Louisville	.....	.....	.....	.....	20.5
Marrowbone†	60	— 6	33.4	6.19	14.5
Matlock	56	— 6	29.9	5.90	22.0
Mount Sterling†	57	—10	27.4	6.23	12.0
Munfordville*†[1]	61	—10	31.5	5.93	.....
Paducah *a*†	.....	.....	.....	5.28	14.5
Paducah *b*†	67	— 3	31.5	5.11	16.0
Pleasure Ridge Park	62	—14	28.2	4.02	17.6
Princeton†	65	— 6	27.7	.....	9.5
Richmond†	58	—13	28.0	2.30	13.0
Russellville†	78	— 4	32.8	5.78	13.5
Sandy Hook†	59	—11	33.6	5.14	13.0
Shelby City*[1]	56	— 8	30.1	6.86	17.0
Shelbyville†	60	—12	32.3	4.41	13.4
South Fork†[2]	.....	.....	30.1	7.75	15.0
Springfield†	68	—10	30.2	8.30	14.0
Louisiana.					
Abbeville	80	25	52.1	3.15	
Alexandria†	87	20	52.0	4.47	
Amite†	79	20	50.2	6.42	
Bastrop†	80	16	45.0	5.20	T.
Baton Rouge†	82	23	51.2	3.73	
Calhoun†	75	16	42.6	4.89	1.5
Cameron†	81	23	52.4	1.80	
Cinclare	84	22	50.2	3.41	
Clinton†	79	20	49.8	2.57	
Coushatta *a*†	.....	.....	.....	2.94	T.
Coushatta *b*†	78	15	46.2	3.39	T.
Covington†	75	20	48.6	7.86	T.
Davis	77	16	43.7	3.15	
Delhi†	.....	.....	.....	4.06	0.2
Donaldsonville†	81	25	51.6	6.83	
Emile†	75	25	50.6	8.35	
Farmerville	77	14	43.7	4.57	1.5
Franklin†	79	26	53.2	5.90	
Girard	.....	.....	.....	2.18	
Grand Coteau	77	27	52.5	3.23	
Hammond†	.....	.....	.....	5.59	
Houma†	77	27*	56.8	4.30	
Jeanerette†	79	25	54.0	3.95	
Lafayette	80	24	51.6	1.83	
Lake Charles[5]	78	30	57.2	1.50	
Lawrence†	76	29	51.2	2.67	
Liberty Hill	78	15	45.1	3.63	4.0
Maurepas	80	23	50.2	5.91	T.
Melville†	86	20	49.0	4.05	
Monroe†	76	17	46.2	4.05	3.0
Natchitoches†	78	18	45.8	3.30	T.
New Iberia	77	26	52.6	3.10	
Opelousas†	81	21	52.4	2.72	
Oxford†	86	14	45.3	2.74	2.0
Paincourtville	.....	.....	.....	6.30	
Plain Dealing†	75	14	41.6	4.99	T.
Rayne†	80	24	54.2	2.15	
Schriever†	80	22	54.4	5.75	
Shell Beach	76	25	52.8	1.94	
Shreveport	.....	.....	.....	.....	0.9
Southern University †	78	25	53.0	9.45	
Sugar Ex. Station†	77	26	50.8	8.58	
Sugartown†	75	14	49.3	4.34	
Thibodeaux	.....	.....	.....	5.01	
Wallace	80	25	52.0	4.78	
West End	.....	.....	.....	9.37	
Maine.					
Belfast*[6]	42	— 8	21.0	6.53	22.0
Calais†	44	— 8	21.0	5.68	27.0
Cornish*[1]	40	— 5	20.0	1.78	17.0
Easton†	38	—19	17.0	2.30	.....
Eastport	.....	.....	.....	.....	12.2
Fairfield	42	—12	18.4	2.23	19.8
Farmington†	51	—16	17.0	4.05	19.0
Gardiner	46	—15	18.2	2.50	13.2
Houlton†	40	—26	11.9	2.55	19.5
Indian Stream	36	—20	12.8	2.31	17.5
Kineo	35	—16	13.8	2.11	10.0
Lewiston	40	—15	20.6	3.41	17.6
Maine—Cont'd.					
Madison*[1]	38	—14	18.0	.....	16.5
North Bridgton	40	— 9	17.4	1.92	17.0
Petit Menan*[1]	42	2	25.9	.....	.....
Portland	.....	.....	.....	.....	11.2
West Jonesport[1]*	43	4	23.9	.....	.....
Maryland.					
Annapolis	54	11	30.0	.....	.....
Bachmans Valley*[1]	46	5	26.0	4.18	9.0
Baltimore	.....	.....	.....	.....	5.0
Bel Alton	54	9	34.3	5.05	.....
Boettcherville*[1]	44	— 6	26.2	4.20	20.0
Burkittsville	49[f]	0[f]	26.3[f]	4.34	14.4
Charlotte Hall†	62	10	32.8	3.62	14.0
Cherryfields†[2]	.....	.....	33.2	2.78	11.0
Chestertown†	57	11	30.6	4.20	4.0
College Park	49[m]	10[m]	29.4[m]	3.79	7.0
Cumberland *a*†	42	— 3	26.0	3.53	14.5
Cumberland *b*[2]	.....	— 4[d]	27.8	3.38	16.5
Darlington†	50	8	28.6	5.29	5.0
Deer Park	50	—15	21.4	.....	.....
Denton†	61	13	33.2	3.58	9.5
Easton†	61	11	35.2	4.60	9.0
Fallston*[1]	50	10	29.2	4.64	6.2
Frederick *a*	45	2	28.5	3.54	8.5
Frederick *b*	45	3	28.8	.....	.....
Glyndon	49	3	26.2	5.10	18.0
Grantsville	53	—14	22.8	5.42	24.5
Great Falls*[5]	55	6	30.0	3.66	.....
Hancock	47[1]	— 3[1]	25.7[1]	1.33[1]	.....
Jewell†	61	13	33.4	5.09	14.0
Johns Hopkins Hospital	60	7	30.4	.....	.....
La Plata†	64	10	33.2	6.00	.....
McDonogh[e]	52	9	30.0	.....	.....
Mardela Springs†	62	10	33.0	4.14	14.0
Mt. St. Marys College†[1]	46[h]	— 1	27.2[e]	1.87	6.8
Oakland†	52	—12	21.6	9.89	58.0
Pocomoke City	66	16	37.4	4.84	4.0
Popes Creek	59	6	32.2	2.60	.....
Princess Anne	62	12	34.3	3.42	6.0
Sharpsburg	44	0	26.2	4.17	10.9
Solomons†	60	12	34.7	3.40	16.0
Sunnyside	56	—17	22.4	5.48	27.5
Upper Marlboro†	63	8	30.6	5.43	15.5
Western Port	48	— 8	24.4	2.45	16.0
Westminster[k]	56	3	29.5	1.97	.....
Woodstock	51	3	28.0	3.85	19.5
Massachusetts.					
Adams	50	0	23.8	.....	22.0
Amherst	46	— 3	22.5	3.24	.....
Amherst Ex. Station *a*	45	— 6	19.6	3.65	21.5
Amherst Ex. Station *b*	46	— 4	23.2	3.87	21.8
Andover	44	— 1	24.6	4.11	19.0
Ashland	.....	.....	.....	4.24	.....
Bedford	47	— 4	22.7	3.59	18.0
Beverly Farms	46	0	25.5	4.52	14.0
Blue Hill (summit)	50	1	25.5	4.03	16.0
Blue Hill (valley)	49	— 6	24.6	4.13	.....
Boston (V. O.)	.....	.....	.....	3.38	.....
Boston (W. B.)	.....	.....	.....	.....	13.9
Brockton *a*	55	6	27.7	3.46	10.6
Brockton *b*	.....	.....	.....	3.94	.....
Brockton *c*	.....	.....	.....	3.90	.....
Cambridge *a*	50	1	26.1	3.85	.....
Cambridge *b*	48	2	25.8	3.57	.....
Chestnut Hill	50	2	26.4	3.91	15.2
Clinton	.....	.....	.....	3.15	.....
Concord†	48	— 6	22.2	3.25	17.4
Dudley	46	— 3	21.6	4.57	9.5
East Templeton*[1]	44	— 5	21.8	3.77	16.5
Egg Rock, Nahant	49	3	26.8	.....	.....
Fall River	53	6	29.4	3.84	10.5
Fiskdale	.....	.....	.....	2.89	12.0
Fitchburg *a*[1]	44	0	22.5	3.32	16.5
Fitchburg *b*	45	— 1	22.2	3.75	18.2
Framingham	49	— 4	23.4	3.88	.....
Gilbertville[d]	48	— 3	22.6	.....	.....
Groton	44	— 5	21.7	3.47	21.5
Hadley	46	—12	14.6	.....	.....
Hingham	.....	.....	.....	3.23	9.5
Hobbs Brook	.....	.....	.....	3.51	11.2
Hyannis	52	8	32.2	3.08	7.8
Lake Cochituate	51	—11	22.9	3.93	.....
Lawrence	45	— 3	21.9	2.26	18.0
Leeds	47	— 7	21.2	3.38	15.2
Leominster*[6]	45	— 1	22.9	3.36	16.2
Long Plain*[6]	53	2	27.1	3.58	4.0
Lowell *a*	46	— 5	22.2	3.30	.....
Lowell *b*	48	— 6	21.9	.....	.....
Lowell *c*	50	1	25.8	.....	.....
Ludlow Center	42	— 8	18.9	2.10	14.2
Lynn *a*	46	0	28.2	3.72	.....
Lynn *b*	47	3	26.6	.....	.....
Mansfield*[1]	51	1	25.7	5.81	15.5
Middleboro	53	— 1	26.6	2.99	11.2
Milton	50	3	28.0	3.95	12.5
Monroe	46	— 9	17.1	3.94	35.0
Monson	50	— 6	23.7	2.66	8.0
Massachusetts—Cont'd.					
Mount Nonotuck	.....	.....	.....	3.96	17.2
Mystic Lake	.....	.....	.....	3.84	.....
Mystic Station	.....	.....	.....	3.62	.....
Nantucket	.....	.....	.....	.....	6.3
Natick*[1]	47	— 1	23.6	4.51	12.0
New Bedford *a*	50	4	28.2	4.04	11.5
New Bedford *b*	52	5	28.5	3.95	7.0
North Billerica	48	2	26.0	2.90	20.0
Pittsfield	45	— 5	20.2	2.29	.....
Plymouth*[1]	52	6	30.7	3.02	7.0
Provincetown	51	10	30.1	3.08	9.0
Roberts Dam	.....	.....	.....	4.08	8.5
Roxbury	50	4	28.4	3.93	12.5
Salem	.....	.....	.....	3.84	17.8
Salisbury	.....	.....	.....	2.76	14.0
Somerset*[1]	55	4	29.8	3.93	17.0
Springfield Armory	50	6	25.4	3.69	21.0
Taunton *b*	55	4	27.9	3.89	10.0
Taunton *c*	56	0	27.1	4.24	.....
Taunton *d*	56	1	27.4	3.96	8.0
Turners Falls	42	— 9	21.1	3.26	.....
Wakefield†	46	— 1	24.7	4.18	17.0
Waltham	.....	.....	.....	4.08	.....
Webster	.....	.....	.....	4.06	19.8
Wellesley	56	— 5	24.2	3.99	.....
Vineyard Haven	.....	.....	.....	.....	7.6
Westboro†	48	— 4	25.8	3.79	18.0
Williamstown	45	—10	20.9	1.87	15.2
Winchendon	.....	.....	.....	2.90	19.0
Winchester	.....	.....	.....	3.23	.....
Winthrop	49	3	28.0	4.45	6.0
Woods Holl	.....	.....	.....	.....	10.6
Worcester *a*	46	0[e]	23.8[e]	3.19	.....
Worcester *b*	47	1	25.0	2.12	14.0
Worcester *c**[1]	48	— 1	23.0	.....	.....
Michigan.					
Adrian	43	—10	18.6	2.46	17.8
Albion	42	— 2	19.3	4.13	21.1
Allegan	48	— 9	18.4	3.36	32.0
Alma	49	— 8	16.2	2.33	26.0
Alpena	.....	.....	.....	.....	23.2
Ann Arbor	47	— 6	18.2	1.98	16.0
Arbela*[3]	.....	— 5	15.4	3.63	23.0
Ball Mountain	45	— 6	17.8	2.13	20.7
Bear Lake[f]	35	— 5	20.8	.....	.....
Benzonia	42	2	17.4	5.90	57.5
Berlin*[1]	45	—12	16.5	3.37	28.4
Berrien Springs*[1]	49	— 8	20.6	5.80	48.0
Birmingham	47	— 9	19.4	2.19	14.5
Boon	37[c]	— 8[c]	14.1[c]	3.07	26.4
Bronson	43	—10	16.0	2.30	19.0
Brown City[h]	46	— 7	16.8	3.59	33.5
Calumet	34	— 4	13.6	5.48	77.0
Charlevoix	36	3	18.2	3.15	21.5
Cheboygan	42	—14	14.6	2.10	35.5
Clinton	48	— 9	17.1	2.53	16.5
Detroit	.....	.....	.....	.....	21.5
Escanaba†	41	—12	18.4	1.99	.....
Fairview	46	— 8	17.1	1.96	19.0
Fitchburg	48	— 8	17.5	2.94	27.5
Flint	46	— 6	16.2	1.15	6.2
Frankfort*[10]	48	10	25.0	.....	.....
Gladwin	43	—14	15.9	2.85	28.5
Grand Haven	.....	.....	.....	.....	29.9
Grand Point au Sable	38	2	19.5	.....	.....
Grand Rapids	48	— 1	19.3	4.42	37.5
Grape	50	— 6	19.2	1.29	19.0
Grayling	34	— 8	13.6	4.10	36.0
Hanover	54	— 8	21.4	2.18	19.0
Harrison	33[i]	—11	13.8[e]	0.93	9.0
Harrisville	40	— 9	16.0	4.42	38.0
Hart	42	— 4	18.8	3.80	20.0
Hayes	36	—10	17.8	4.23	39.5
Hesperia	45	—13	18.6	1.52	15.2
Highland Station	45	— 7	16.9	2.41	19.0
Holland*[9]	49	— 3	22.0	.....	.....
Howell	45	— 9	16.8	2.30	19.2
Ivan	43	— 9	16.0	3.09	43.0
Jeddo	44	— 7	18.2	2.61	24.0
Kalamazoo	47	—10	18.7	3.44	29.2
Lansing	47	— 6	17.3	2.66	21.5
Lathrop*[1]	34	—17	11.4	4.33	41.8
Lewiston	43	— 6	15.7	1.66	.....
Ludington*[9]	40	10	23.1	.....	.....
Madison	47	— 7	17.9	2.49	18.1
Marquette	.....	.....	.....	.....	49.5
Mayville	45	— 6	18.4	3.05	24.5
Middle Island*[10]	40	4	21.6	.....	.....
Mottville	50	—14	17.4	1.82	18.2
N. Manitou Island*[10]	38	0	20.8	.....	.....
North Marshall	47	—12	16.0	1.54	8.5
Northport	44	0	21.7	4.10	39.0
Old Mission	48	2	20.8	2.80	21.0
Ovid	47	— 7	17.6	2.87	17.0
Paris	45	—17	13.0	3.13	21.0
Parkville	.....	.....	.....	2.77	21.0
Point aux Barques*[10]	41	0	19.9	.....	.....

TABLE II.—*Meteorological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	Ins.	Ins.
Michigan—Cont'd.					
Point Betsy*[9]	42	8	22.2	.....	.....
Pontiac	48	— 6	19.2	.....	.....
Port Huron	.....	.....	.....	.....	20.0
Rockland	41	—16	12.8	2.50	16.5
Romeo	46	— 9	18.3	.....	.....
St. Ignace	41	—13	15.0	2.82	25.5
St. Johns	47	— 8	18.6	2.20	14.0
Sand Beach *a*	43	— 5	19.4	.....	.....
Sault Ste. Marie	.....	.....	.....	.....	25.0
Stanton	45	—10	16.4	1.80	18.0
Thornville	42	— 4	18.0	2.89	26.0
Thunder Bay Island*[10]	36	6	19.8	.....	.....
Vandalia	50	—12	18.9	3.59	31.7
Ypsilanti	47	—12	17.8	2.07	16.9
Minnesota.					
Ada	27	—38	2.6	0.45	7.7
Alexandria *a*†	.....	.....	.....	1.13	11.3
Beardsley†	29	—33	1.5	0.99	10.0
Belle Plaine*[1]	30	—24	8.4	.....	.....
Bingham Lake†	35	—22	5.5	0.33	3.3
Bird Island	32	—23	4.2	0.37	3.8
Blooming Prairie*[1]	35	—18	6.6	0.50	5.0
Bonniwells Mills†	30	—23	4.0	0.33	4.5
Caledonia†	38	—22	7.4	1.05	10.2
Cambridge†	34	—30	4.6	0.44	2.5
Camden†	35	—22	5.5	0.21	2.0
Campbell	27	—32	—1.1	0.34	3.4
Clear Lake†	23	—31	0.0	0.54	T.
Clear Water*[1]	33	—24	5.3	0.82	8.2
Collegeville	30	—23	5.7	0.50	4.8
Crookston†	32	—37	—4.4	0.30	3.0
Dawson*[1]	35	—24	5.0	0.41	4.1
Duluth	.....	.....	.....	.....	8.4
Farmington†	32	—26	3.3	1.70	17.0
Fergus Falls†	28	—28	1.4	0.40	4.0
Fort Ripley†	.....	.....	.....	0.69	7.0
Grand Meadow†	37	—29	3.5	0.56	9.0
Granite Falls	32	—24	3.2	0.17	2.0
Hutchinson†	31	—30	2.2	0.75	7.5
Jadis[d]	30	—35	—6.3	0.73	10.5
Lake Winnibigoshish*[1]	26	—30	0.7	0.31	3.9
Lawrence	32	—24	3.8	0.75	7.5
Leech Lake*[1]	30	—38	—3.0	0.20	3.2
Little Falls	.....	.....	.....	0.40	4.0
Long Prairie†	27	—30	—1.4	0.42	6.6
Luverne†	36	—26	6.7	0.90	9.0
Maple Plain	32	—27	4.1	1.09	10.8
Marfield†	30	—34	0.4	0.75	7.5
Mazeppa*[1]	32	—20	4.8	0.80	5.0
Milan†	34	—27	2.0	0.44	4.9
Minneapolis *a*†	32	—25	4.7	1.08	10.8
Minneapolis *b*[1]	32*	—23	5.0	0.92	11.0
Minnesota City†	36	—22	9.0	0.91	13.0
Montevideo†	36	—24	2.2	0.50	3.6
Moorhead	.....	.....	.....	.....	3.7
Morris†	28	—27	1.4	0.40	4.2
New London	29	—26	2.4	0.67	2.5
New Ulm	38	—26	8.4	0.27	3.8
Park Rapids†	30	—37	—1.2	0.36	3.6
Pine River*[1]	30	—35	0.7	0.24	3.2
Pleasant Mounds*[1]	36	—24	5.4	0.40	4.0
Pokegama Falls[1]	29*	—42	—1.7	0.61	4.3
Red Lake†	34°	—32°	—2.2°	0.91	8.3
Redwood Falls†	.....	.....	.....	0.20	2.0
Rolling Green†	35	—23	4.8	0.65	6.5
St. Charles†	37	—22	6.1	1.00	9.5
St. Cloud	34	—30	3.2	0.48	6.0
St. Olaf	27°	—26°	0.9°	0.40	5.2
St. Paul†	.....	.....	.....	.....	11.9
St. Peter	36	—23	7.4	0.52	5.2
St. Vincent	.....	.....	.....	.....	7.7
Sandy Lake Dam[1]	27*	—41	2.3	0.58	6.1
Sauk Center	28	—36	1.0	0.60	6.0
Sunrise City*[6]	32	—26	2.7	0.85	8.5
Two Harbors†	34	—25	8.7	0.53	4.2
Wabasha*[1]	34	—23	7.1	1.50	15.0
Willmar†	30	—25	0.7	0.65	6.5
Winona	35	—15	9.5	0.92	8.1
Worthington	34	—22	5.6	0.84	8.4
Mississippi.					
Agricultural College	73	14	41.2	8.68	2.0
Batesville†	72	7	41.5	6.00	6.0
Bay St. Louis†	71	24	48.1	4.52	.....
Biloxi†	78	23	49.4	5.89	T.
Briers	74	21	46.4	3.22	.....
Brookhaven†	78	14	47.1	6.51	4.0
Canton	73	19	45.0	7.60	3.5
Clarksdale	.....	.....	.....	7.40	.....
Columbus†	79	7	43.2	8.57	.....
Corinth†	62	9	37.3	4.45	.....
Crystal Springs†	76	15	44.4	5.30	.....
Duck Hill†	74	14	41.6	6.58	2.8
Edwards	71	17	44.0	5.52	2.0
Egypt*[1]	68	10	36.6	.....	.....
Enterprise†	75	14	45.6	5.59	T.
Fayette†	75	20	48.2	3.36	T.
French Camps†	74	3	39.8	7.58	5.5
Mississippi—Cont'd.					
Fulton†	72	2	41.4	6.10	6.0
Greenville *a*	73	16	42.3	6.33	1.0
Greenville *b*†	76	15	42.6	6.32	1.0
Hattiesburg	75	19	47.6	6.79	T.
Hernando†	72	12	38.0	4.60	.....
Holly Springs†	68	9	38.3	6.08	5.3
Jackson†	74	16	45.7	6.13	5.2
Kosciusko†	74	14	43.0	7.59	4.0
Lake†[d]	72	15	43.9	2.89	2.0
Leaf*[1]	72	21	47.2	.....	.....
Leakesville†	81	20	50.0	7.18	0.3
Logtown†	73	24	51.0	5.58	.....
Louisville†	75	8	41.4	7.12	3.0
Macon†	72	16	44.4	6.55	1.0
Meridian	.....	.....	.....	.....	0.3
Moss Point†	71	23	50.9	6.98	T.
Natchez†	80	20	47.8	4.35	.....
Okolona†	73	3	40.8	5.79	.....
Palo Alto†	73	6	40.8	10.92	10.2
Pontotoc†	76	12	41.7	5.51	5.5
Port Gibson	77	18	45.2	4.49	T.
Rosedale†	73	6	40.9	6.56	T.
Stonington*[1]	78	20	47.6	.....	.....
Thornton*†[3]	75	22	47.0	5.77	2.0
Topton*[3]	74	20	45.9	7.55	0.5
University†	69	9	39.4	5.67	6.4
Vaiden†	78	7	43.7	7.49	4.2
Vicksburg	.....	.....	.....	.....	0.5
Water Valley*[1]	76	8	41.4	6.07	2.6
Waynesboro *a*†	70	21	41.9	7.80	.....
Woodville†	78	20	49.0	5.52	.....
Yazoo City†	74	11	45.2	6.26	.....
Missouri.					
Appleton City†	70	— 8	26.8	1.10	11.0
Arthur*†[3]	.....	—10	22.1	0.90	9.0
Bagnell†	.....	.....	.....	2.30	15.0
Bethany	66	—12	19.4	0.84	5.0
Birch Tree	65	— 4	30.0	2.10	9.5
Bluffton*[1]	70	— 5	28.6	0.89	7.0
Boonville†	.....	.....	.....	1.39	6.0
Brunswick	64	—12	21.8	1.05	6.0
Carrollton†	64	— 6	24.3	0.60	5.0
Carthage	.....	.....	.....	1.23	10.0
Columbia	.....	.....	.....	.....	9.9
Conception	61	—11	21.2	0.30	3.0
Cowgill*[5]	64	—10	23.1	0.40	4.0
Darksville†	61	—10	25.2	1.02	7.8
Dixon†	64	— 6	25.6	1.70	10.5
Downing	.....	.....	.....	0.65	6.5
East Lynne*[3]	.....	— 8	20.8	0.97	9.1
Edgehill*[5]	64	— 4	30.6	2.51	8.0
Eight Mile*[1]	64	— 9	24.0	1.18	11.4
Eldon*[1]	70	— 4	26.0	1.08	10.5
Elmira	67	—19	21.4	0.85	6.5
Emma*[3]	.....	— 6	23.4	0.60	6.0
Fairport	.....	.....	.....	0.90	4.0
Farmersville	.....	.....	.....	0.92	6.2
Fayette	65	—10	23.4	1.03	8.6
Fox Creek*[1]	69	— 6	25.2	1.50	11.0
Fulton	.....	.....	.....	1.00	10.0
Gallatin*[1]	66	—10	21.2	0.93	6.0
Gayoso*[3]	.....	— 2	31.2	5.83	7.0
Glasgow	66	—10	23.2	0.85	8.0
Glensted	.....	.....	.....	2.81	12.0
Gordonville*[3]	.....	— 4	28.6	3.51	12.0
Gorin*[3]	.....	— 7	19.7	1.21	10.5
Grove Dale	.....	.....	.....	1.80	14.7
Half Way	70	— 7	27.2	1.60	12.5
Hannibal	.....	.....	.....	.....	15.4
Harrisonville†	69	— 9	22.8	0.72	8.0
Hastain	69	—11	24.8	1.97	15.5
Hermann†	.....	.....	.....	1.21	10.0
Houston	60	— 8	26.0	1.58	10.0
Houstonia (near)	.....	.....	.....	1.64	10.4
Humansville	70	— 8	25.8	1.09	10.9
Ironton*†[1]	62	— 3	27.9	2.60	9.5
Jefferson City†	70	— 4	27.4	1.70	11.0
Kansas City	.....	.....	.....	.....	3.3
Kidder	63	—11	21.4	1.15	7.4
Lamar	71	— 6	27.6	1.55	15.5
Lamonte	.....	.....	.....	0.90	9.0
Langdon	70	—12	20.0	0.17	2.0
Lebanon	70	— 7	29.6	1.85	11.4
Lexington	64	— 8	24.4	0.73	7.0
Liberty	66	— 7	23.6	0.41	3.5
Linn Creek	69	— 8	27.6	1.30	8.0
Louisiana Bridge†	.....	.....	.....	1.30	12.0
McCune*†[1]	64	—22	20.5	0.85	10.5
Marble Hill	.....	— 4	.....	1.98	11.0
Marceline	.....	.....	.....	1.38	10.0
Marshall†	65	— 8	22.2	1.15	11.0
Maryville*[4]	66	—12	16.6	0.41	4.1
Mexico†	66	— 9	21.2	1.06	9.7
Miami	68	— 4	32.0	1.35	7.2
Mine La Motte†	63	— 4	28.9	2.26	10.5
Mount Vernon	74	— 9	27.2	2.01	12.5
Nevada	.....	.....	.....	1.17	11.5
Missouri—Cont'd.					
New Hartford*[1]	70	— 8	24.0	1.65	8.0
New Haven*[1]	65	— 2	25.8	1.40	14.0
New Madrid	66	2	34.7	4.81	10.0
New Palestine	.....	.....	.....	1.12	11.0
Oakfield†	67	— 7	25.6	1.58	9.2
Oak Ridge*[4]	.....	— 4	29.6	3.30	18.0
Olden†	64	— 4	32.4	1.76	8.4
Oregon *a*	70	—12	22.3	0.93	6.3
Oregon *b*	67	—13	21.0	0.83	6.6
Osceola†	.....	.....	.....	1.65	14.0
Oto	.....	.....	.....	1.95	13.3
Palmyra	.....	.....	.....	1.52	12.8
Panacea	75	— 5	31.5	2.15	11.5
Pickering*[3]	.....	—18	17.7	0.53	5.8
Platte River*[3]	64	— 6	20.6	0.85	5.5
Poplar Bluff	68	— 1	34.5	3.08	7.0
Potosi	63	— 8	25.6	2.35	14.0
Princeton*[1]	62	—12	20.8	1.40	7.0
St. Charles	67	— 8	24.5	1.30	6.1
St. Joseph†	.....	.....	.....	0.52	2.8
St. Louis	.....	— 6	23.9	.....	.....
St. Louis (W. B.)	.....	.....	.....	.....	8.1
Sarcoxie*[3]	78	— 6	26.4	2.07	14.3
Shelbina	.....	.....	.....	1.00	12.0
Sikeston	62[m]	— 5[m]	31.6[m]	3.07	12.5
Springfield	.....	.....	.....	.....	16.0
Steffenville	.....	.....	.....	1.50	14.5
Stellada†	70	—15	27.0	0.97	9.5
Sublett	63	—17	18.5	1.07	10.5
Tindall†	.....	.....	.....	1.36	9.0
Unionville†	68	—13	17.8	1.25	9.2
Vera Cruz	.....	.....	.....	2.27	10.2
Vermont*†[1]	67	— 7	23.5	1.67	11.7
Vilas	.....	.....	.....	0.45	4.5
Virgil City	.....	.....	.....	0.75	7.5
Warrensburg*[1]	70	— 5	25.6	0.85	8.2
Warrenton	68	— 8	25.4	1.19	5.0
Wheatland	.....	.....	.....	1.58	14.3
Montana.					
Billings†	51	—32	17.2	1.95	19.5
Boulder†	47	—21	17.2	0.49	.....
Bozeman†	46	—19	19.6	1.33	13.3
Butte†	46	—20	18.4	0.93	13.5
Cascade†	.....	.....	.....	1.52	19.2
Cataract District	48	—29	13.6	3.32	33.3
Choteau†	54	—22	14.0	1.61	16.0
Cokedale*[4]	46	—20	18.6	2.70	27.0
Columbia Falls†	43	—20	20.4	2.05	22.5
Deer Lodge City†	57	—33	18.0	2.06	21.5
Fort Benton†	72	—32	22.9	.....	.....
Fort Custer†	44	—30	9.8	1.67	17.0
Fort Keogh†	47	—30	8.6	0.78	7.8
Fort Logan†	46	—24	15.0	0.32	10.0
Fort Missoula	45	—19	16.4	1.54	17.8
Glasgow†	41	—33	0.2	0.84	4.4
Glendive†	38	—20	4.6	0.60	5.0
Great Falls†	60	—22	19.8	0.74	12.2
Havre	.....	.....	.....	.....	10.7
Helena	.....	.....	.....	.....	19.5
Hogan†	50	—19	16.9	1.62	16.0
Kipp†	47	—35	10.0	1.16	11.5
Martinsdale†	50	—23	18.2	1.62	14.6
Marysville†	50	—13	18.4	1.54	15.5
Miles City	.....	.....	.....	.....	6.4
Mingusville†	52	—26	10.4	0.77	5.7
Pony†	49	—18	21.0	0.60	6.5
Radersburg†	.....	.....	.....	0.53	5.2
Red Lodge	49	—20	19.8	1.65	16.5
Troy†	44	.....	.....	2.59	8.7
Utica†	53	—20	18.8	.....	.....
Virginia City†	45	—15	19.0	0.99	11.5
White Sulphur Springs†	48	—20	18.4	0.51	4.1
Nebraska.					
Agee*[1]	58	—21	12.0	0.40	2.0
Albion†	58	—15	15.8	0.32	3.2
Ansley†	56	—16	18.0	0.05	0.5
Arborville*[1]	50	—12	17.5	0.20	2.0
Arcadia	59[1]	— 9[1]	25.2[1]	.....	.....
Ashland *a*†	62	—14	17.9	0.14	1.2
Ashland *b*[1]	60	—13	19.4	0.05	1.8
Auburn*†[1]	68	—14	20.7	0.83	3.0
Aurora*[1]	63	—10	19.4	.....	.....
Bassett	57	—21	13.8	0.50	5.0
Beatrice†	64	—11	19.7	T.	T.
Beaver City	63	— 5	24.4	0.28	3.0
Benkelman*[1]	60	— 8	25.2	0.55	5.5
Blue Hill*[1]	60	—10	22.5	0.10	1.0
Bratton*[1]	66	—12	19.2	0.49	4.0
Broken Bow*[1]	52	— 8	19.4	0.05	0.5
Burchard*[1]	60	—12	21.1	0.40	4.0
Burwell*[1]	46	—14	19.3	0.42	4.2
Callaway†	58	—12	22.9	0.30	3.0
Central City*[5]	62	—10	19.5	0.10	.....
Chadron*[1]	60	—14	19.8	0.77	8.8
Chester*[1]	63	—12	19.6	0.13	.....
Columbus†	65	—14	19.3	0.15	2.0
Cornlea	.....	.....	.....	0.16	2.0

TABLE II.—*Meteorological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean	Precipitation. Rain and melted snow.	Total depth of snow.
Nebraska—Cont'd.	°	°	°	*Ins.*	*Ins.*
Cortland *1	63	—12	17.6	T.	T.
Creighton†	41	—17	11.2	0.10	1.0
Crete	64	—16	19.0	0.37	3.2
Culbertson	.....	.....	.....	0.55	5.5
Curtis *a*†5	58	—16	24.8	0.30	3.0
Curtis *b*1	70	—18	22.0	0.13	1.3
David City *†3	55	—15	13.8	0.25	3.0
Dunning *1	52	—10	22.0	0.06	0.6
Edgar *1	60	—14	18.6	0.03	0.3
Ericson *†1	50	—20	15.8	0.40	4.0
Ewing†	.....	.....	.....	0.14	0.2
Fairmont *1	58	—13	18.4	T.	T.
Fontanelle	57	—14	16.1	0.44	2.8
Fort Robinson	58	—15	22.4	0.61	6.1
Franklin†	64	— 6	23.2	0.30	3.0
Geneva†	60	—12	19.0	0.20	2.0
Genoa†	55	—14	16.3	0.19	2.0
Gering†	59	—14	23.3	0.75	7.5
Gibbon	61	— 8	20.4	0.40	.....
Glenwood *3	56	—17	10.4	0.30	3.0
Gothenburg	56	— 5	24.4	0.22	5.0
Grand Island *1	72	— 8	22.0	0.25	2.5
Greeley Center *1	54	—13	17.5	T.	T.
Hartington†	45	—17	12.9	0.65	4.5
Harvard *1	58	—10	17.5	0.15	1.5
Hastings *1	56	—11	17.3	0.23	1.5
Hayes Center	.....	.....	.....	0.62	6.2
Hay Springs†	48	—16	17.0	1.00	10.0
Hebron†	66	—11	20.0	0.20	2.0
Hickman *1	68	—12	19.9	0.06	0.5
Holdredge *b*1	53	— 4	20.7	0.30	3.0
Imperial *a*†	53	—17	20.0	0.23	2.3
Indianola *5	60	— 6	24.0	0.20	2.0
Kearney *1	60	— 2	22.9	0.20	2.0
Kennedy *†1	56	— 7	20.7	0.15	1.5
Kimball†	62	—13	24.0	0.95	9.0
Lexington†	60	—18	20.9	1.20	11.0
Lodge Pole†	58	—16	21.8	0.70	7.0
Loup *a*1	54	—13	17.8	0.10	1.0
Loup *b*5	56	—12	18.3	T.	T.
Lynch *†1	55	—22	15.7	0.15	2.6
McCook *1	56	— 4	25.6	0.60	6.0
Madison	.....	.....	.....	0.43	3.5
Madrid *†5	50	—17	20.6	0.70	7.0
Marquette *	60	—10	.....	0.47	4.5
Minden *1	64	— 9	16.9	0.41	2.4
Mullen *1	44	—10	18.4	.....	.....
Nebraska City *a*†1	61	—14	15.8	0.15	1.5
Nebraska City *b*1	66	—10	20.2	0.33	3.3
Nemaha City *1	68	—12	19.9	0.40	4.0
Norfolk†	47	—17	15.5	0.20	2.0
North Loup *†1	56	—13	17.2	.....	.....
North Platte	.....	.....	.....	.....	3.3
Oakdale†	51	—17	13.1	0.20	2.0
Odell *5	64	—12	19.7	0.20	2.0
Omaha *1	52	—17	16.8	0.30	3.0
Omaha (W. B.)	.....	.....	.....	.....	3.5
O'Neill *1	54	—18	13.1	0.25	2.5
Ongh†	.....	.....	.....	0.40	4.0
Palmer *a*1	56	—16	14.2	0.30	3.0
Palmer *b*	.....	.....	.....	0.20	2.0
Plattsmouth *a*†	.....	.....	.....	0.50	5.0
Plattsmouth *b*1	69	—10	20.4	0.35	3.5
Ravenna *a*	61	—11	19.4	0.31	2.2
Ravenna *b*1	60	— 5	23.7	0.20	2.0
Red Cloud *a*	.....	.....	.....	0.32	3.0
Red Cloud *b*1	59	— 7	20.7	0.25	2.5
Republican *1	50	— 9	21.3	.....	.....
Rulo *1	72	— 9	24.6	0.55	5.5
Salem *1	66	— 9	22.0	0.72	7.2
Santee Agency†	50	—17	13.9	0.36	3.6
Seneca *1	58	—12	20.6	0.20	2.0
Seward *3	55	—13	17.6	0.20	2.0
Spencer (near) *1	54	—20	16.0	0.50	5.0
Springview	51	—15	15.6	0.21	1.6
Stanton *1	52	—16	13.3	0.12	0.8
State Farm	68	—12	21.5	.....	.....
Strang *1	60	—12	23.2	0.01	0.1
Superior *5	53	— 8	22.6	0.15	0.5
Sutton	59	—10	18.1	0.06	1.0
Syracuse	.....	.....	.....	0.01	0.1
Tecumseh†	66	—11	19.4	0.00	0
Tekamah	59	—18	16.0	0.39	4.0
Turlington†	65	—14	18.1	0.35	3.5
Wakefield	.....	.....	.....	0.16	1.6
Wallace *1	50	—15	21.6	0.80	8.0
Weeping Water *1	60	—16	15.1	0.71	7.1
West Point†	.....	.....	.....	0.04	0.5
Whitman *1	52	—18	17.7	0.02	0.2
Wilber *1	66	—10	22.5	0.15	1.5
Wilcox	.....	.....	.....	0.25	2.5
Wilsonville *1	60	— 6	23.9	0.15	1.5
York *1	60	—10	18.6	0.05	0.5
Nevada.					
Austin	48	— 7	25.0	1.43	12.0
Battle Mountain *1	45	—12	26.7	0.95	9.5
Belmont	42	— 6	21.1	1.62	17.0

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Nevada—Cont'd.	°	°	°	*Ins.*	*Ins.*
Beowawe *5	48	—21	23.5	0.80	8.0
Carlin *3	52	—24	20.1	0.86	8.6
Carson City	56	— 6	28.1	4.59	23.5
Carson City (W. B.)	.....	.....	.....	.....	17.0
Clover Valley†	.....	.....	.....	1.19	8.0
Cortez†	.....	.....	.....	1.60	16.0
Cranes Ranch	.....	.....	.....	0.76	.....
Downeyville	59	2	34.8	0.15	2.0
Elko *3	40	—20	21.7	1.75	17.5
Elko (near)	61	—26	23.8	1.41	16.9
Ely	48	—19	22.2	2.10	21.0
Empire Ranch†	44	—20	18.6	0.95	9.5
Fenelon *3	37	—22	19.0	2.12	21.2
Genoa	50	— 3	23.8	6.65	29.0
Golconda *1	56	— 3	29.0	1.10	9.5
Gold Hill	58	4	31.4	3.73	43.5
Halleck *1	40	—23	17.9	1.95	19.5
Hawthorne *a*3	50	13	31.1	0.90	6.0
Hawthorne *b*	59	3	32.4	0.61	6.5
Hot Springs *1	50	— 5	29.4	1.02	6.8
Humboldt *3	50	0	27.5	1.08	7.0
Lewers Ranch	58	0	30.2	7.92	39.4
Lovelock *1	60	5	32.9	2.30	8.0
Marlette Lake†	.....	.....	.....	9.10	93.0
Mill City *1	52	— 5	27.8	.....	5.5
Osceola	53	0	26.8	1.97	19.7
Palisade *1	44	—10	19.8	1.20	12.0
Palmetto	53	— 8	25.8	5.64	56.4
Paradise Valley	51	—13	25.4	2.41	17.7
Reno *3	54	0	29.9	1.90	19.0
Reno State University	57	2	28.8	2.81	16.5
Ruby Valley†	.....	.....	.....	1.14	17.5
St. Clair	53	1	28.6	1.06	8.2
Stofiel	52	—30	18.6	3.73	41.0
Sunnyside	52	—10	24.8	1.19	5.5
Tecoma *3	58	—12	23.9	0.92	9.2
Toano *1	43	—10	20.1	0.95	9.5
Tybo	37	1	24.7	0.94	20.0
Verdi *3	52	— 5	28.5	10.06	43.0
Virginia City	.....	.....	.....	4.75	45.0
Wadsworth *3	63	4	28.6	0.75	7.5
Wells *3	48	—23	19.8	2.05	20.5
Winnemucca	.....	.....	.....	.....	13.7
Yerington	55	— 1	32.2	1.11	5.1
New Hampshire.					
Alstead *6	39	—10	17.6	2.88	19.0
Belmont	.....	.....	.....	2.80	.....
Berlin [c]	42	—19	12.2	.....	.....
Berlin Mills	44	—23	14.4	2.86	28.0
Bethlehem	42	—17	17.0	1.06	8.5
Brookline *1	44	—11	21.3	3.54	15.5
Concord	42	— 9	20.3	3.25	18.0
Dublin	45	— 7	19.8	3.48	21.0
Grafton	45	—15	18.0	1.98	19.0
Hanover	40	—14	17.3	1.96	12.6
Keene	42	—13	17.9	2.56	16.8
Lakeport	.....	.....	.....	3.05	.....
Lancaster	45	—21	18.8	1.88	18.5
Littleton	46	—15	17.2	1.51	15.0
Mine Falls	.....	.....	.....	3.24	.....
Nashua	45	— 7	20.0	3.00	17.5
Newton	45	— 2	22.0	3.05	14.5
North Conway	44	—16	17.4	2.00	20.0
Pennichuck Station	.....	.....	.....	2.73	.....
Peterboro	42	—16	18.0	3.04	20.5
Plymouth	40	—18	15.1	2.47	17.3
Sanbornton†	41	— 9	18.2	1.96	15.5
Stratford	48	—16	18.4	0.76	8.0
Weirs Bridge	.....	.....	.....	3.96	.....
West Milan	42	—29	13.4	2.93	21.8
Wolfboro	.....	.....	.....	2.34	.....
New Jersey.					
Allaire	62	8	30.3	.....	.....
Asbury Park	58	9	30.4	4.37	5.0
Barnegat	55	10	30.7	4.45	9.0
Bayonne	52	11	29.0	5.00	9.0
Beach Haven	51	11	31.7	3.66	5.7
Belvidere	47	1	24.2	2.84	10.0
Beverly†	57	7	29.4	4.67	5.7
Billingsport *1	52	11	28.6	3.77	4.5
Blairstown	24	2	25.6	2.48	15.2
Boonton	47	5	25.6	4.52	.....
Bridgeton	59	14	33.0	4.75	7.0
Camden	54	11	29.4	4.58	4.6
Cape May	52	15	33.6	3.51	12.5
Cape May C. H.†	54	9	32.1	4.23	13.0
Charlotteburg	47	2	24.7	4.01	11.0
Chester	45	2	34.0	4.55	10.5
Colesville	45	7	23.4	4.57	12.5
Dover	49[e]	4[e]	26.0[e]	4.04	13.5
Egg Harbor City	62	9	30.4	4.44	7.5
Elizabeth†	51	10	28.3	5.68	13.0
Franklin Furnace	46	— 2	23.0	4.35	19.5
Freehold	55	7	29.6	5.03	.....
Friesburg	.....	.....	.....	4.45	7.5
Gillette	59	7	26.4	4.92	8.0
Hammonton	.....	.....	.....	4.97	.....

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
New Jersey—Cont'd.	°	°	°	*Ins.*	*Ins.*
Hanover	47	6	26.4	4.91	10.0
Hightstown	55	9	28.6	4.09	4.5
Imlaystown	58	8	29.4	3.60	5.0
Junction	.....	.....	.....	4.54	13.2
Lambertville	52	4	28.9	4.77	9.5
Millville	63[e]	9[e]	32.2[e]	4.42	10.0
Moorestown	59	8	29.8	4.80	5.5
Newark *a*	52	11	28.9	5.20	8.0
Newark *b*†	51	10	28.6	5.55	11.2
New Brunswick *a*	52	7	28.0	5.44	7.1
New Brunswick *b*	50	10	29.7	5.13	7.1
Newton	46	2	23.4	3.76	23.0
Ocean City	56	9	31.6	3.66	3.0
Oceanic	61	12	32.4	4.99	6.2
Papakating	48	4	26.8	4.52	20.0
Paterson	51	10	29.2	5.50	13.5
Perth Amboy	52	10	28.6	5.62	.....
Plainfield	51	9	28.6	5.02	9.2
Pochunk Mountain	44[d]	2	21.8[d]	4.10	21.5
Rancocas *	52	8	.....	4.30	5.4
Readington *6	54	10	32.2	.....	.....
Ringoes	.....	.....	.....	4.97	.....
River Vale	49	— 4	26.1	5.01	13.5
Salem	59	12	31.2	4.55	5.0
Somerville	53	1	27.7	3.48	.....
South Orange	50	8	27.2	5.63	13.5
Tenafly	49	— 2	26.1	5.80	12.0
Toms River	63	6	31.4	5.61	7.2
Trenton	56	10	31.2	5.26	.....
Vineland	63	9	31.6	5.53	10.0
Whiting	64	10	33.3	4.70	4.5
Woodbine	62	9	31.8	4.33	9.0
New Mexico.					
Albert†	63	— 3	35.4	0.22	2.2
Albuquerque†	58	8	33.9	1.29	1.5
Alma†	64	13	36.4	1.21	.....
Aztec†	53[f]	0[f]	27.0[f]	0.85	5.2
Bloomfield†	51	— 2	23.8	0.74	6.0
Chama†	55	—17	23.0	5.30	53.0
Deming *3	72	26	49.2	0.50	2.0
East Las Vegas†	59	— 6	32.8	1.00	8.0
Eddy†	72	5	41.9	0.65	6.0
Engle†	.....	.....	.....	0.35	3.5
Estalina Springs	55	0	31.0	0.66	5.5
Fort Bayard	66	12	37.8	1.25	3.0
Fort Stanton†	60	— 3	36.4	0.47	4.7
Fort Wingate	63	— 3	30.2	2.05	14.5
Fresnal	56	5	33.1	0.88	6.5
Gallisteo†	52	4	31.4	1.20	.....
Gallinas Spring†	61	—11	35.1	0.56	7.0
Gila	61	19	42.0	2.14	4.5
Halls Peak [c]†	55	—14	30.6	0.77	7.5
Lordsburg *3	56	23	40.4	0.20	2.0
Los Lunas†	61	7	34.0	0.95	.....
Monero†	44	—15	19.7	1.99	.....
Pecos	.....	.....	.....	1.52	20.0
Pojuaqua	.....	.....	.....	0.34	.....
Raton†	.....	— 7	.....	0.07	0.8
Rincon†	65	9	39.8	0.35	3.5
Roswell†	69	— 1	38.2	0.40	4.0
San Marcial†	63	5	36.5	0.15	1.5
Santa Fe	.....	.....	.....	.....	14.6
Springer	60	—10	32.0	T.	T.
New York.					
Addison	45	—12	19.8	3.11	20.1
Akron	.....	.....	.....	3.37	.....
Albany	.....	.....	.....	.....	13.5
Alfred Center	47[d]	— 5[d]	20.4[d]	3.39	29.0
Angelica†	48	—15	18.8	3.35	25.0
Arcade	44	— 4	18.8	3.79	35.7
Arkwright	44	0	21.5	.....	.....
Atlanta	.....	.....	.....	0.94	.....
Baldwinsville	44	— 7	21.1	3.26	26.0
Bedford	50	1	26.3	4.09	20.5
Big Sandy *10	44	—20	22.4	.....	.....
Binghamton†	45	—15	19.5	3.18	15.7
Boonville	.....	.....	.....	1.52	.....
Bovina Center	.....	.....	.....	3.44	.....
Brentwood	57[d]	6	27.1	6.05	7.4
Brookfield	44	—24	21.7	1.70	11.0
Brooklyn	50	12	28.9	6.18	13.5
Buffalo	.....	.....	.....	.....	33.6
Canton†	45	—24	16.5	2.30	16.5
Charlotte *10	42	5	24.4	.....	.....
Cherry Creek	.....	.....	.....	4.17	.....
Cooperstown†	43	—16	18.8	2.34	18.8
Cortland	41	— 6	19.4	2.95	.....
De Kalb Junction	.....	.....	.....	2.50	.....
Demster	.....	.....	.....	1.80	.....
Deposit	.....	.....	.....	1.90	.....
Easton	.....	.....	.....	1.43	.....
Eden	50	0	20.1	10.20	52.0
Elmira†	43	—11	22.2	2.70	.....
Fort Niagara†	47	2	23.8	1.96	13.0
Friendship	48	—16	18.5	3.03	17.6
Fulton	.....	.....	.....	2.08	.....
Glens Falls	45	—10	18.6	2.52	17.5

TABLE II.—*Meteorological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	*Ins.*	*Ins.*
New York—Cont'd.					
Gloversville	41	—12	18.1	2.86	23.3
Hamilton	48	—24	17.7	2.22	18.0
Hess Road Station†	45	3	22.5	3.01	23.2
Honeymead Brook	47	— 1	21.5	3.11	18.2
Humphrey†	47	— 3	21.2	3.25	34.0
Hyndsville	51	—15	19.8	.....	.....
Ithaca	42	— 5	20.5	2.18	17.1
Jamestown*[6]	45	— 2	22.8	.....	.....
Kings Station	.....	.....	.....	2.16	.....
Lebanon Springs	46	—16	21.5	3.20	21.8
Le Roy	44	— 3	20.0	5.82	52.0
Lockport	43	— 3	20.6	3.52	26.0
Lowville	43	—23	16.8	3.22	37.0
Lyons	44	4	24.8	2.12	19.5
Madison Barracks†	49	—19	20.8	3.96	40.0
Malone	42	—20	16.8	2.18	18.9
Massena	46	—13	18.1	.....	.....
Middletown	44	3	22.7	.....	.....
Minnewaska	46	1	20.8	3.40	.....
Mount Morris	48	— 9	22.1	.....	.....
Newark Valley	.....	.....	.....	2.67	.....
New Lisbon	45	—22	17.3	2.03	22.0
New York	.....	.....	.....	.....	12.3
North Hammond†	42	—16	17.3	3.58	45.2
Number Four†	40	—24	15.9	4.78	40.7
Ogdensburg	45	—18	16.2	.....	.....
Oneonta	52	—10	23.6	3.47	.....
Oswego	.....	.....	.....	.....	21.2
Oxford	44	—18	19.2	3.46	21.0
Palermo†	40	—15	19.7	1.96	14.7
Perry City	44	— 9	18.9	2.82	23.4
Phœnix	.....	.....	.....	3.37	.....
Pine City	.....	.....	.....	1.01	.....
Plattsburg Barracks	50	—18	18.7	2.07	19.2
Port Jervis	44	— 1	21.5	3.77	18.0
Potsdam	43	—19	15.9	4.50	45.0
Poughkeepsie	47	—15	20.7	3.39	7.0
Rochester	.....	.....	.....	.....	26.5
Rome	44	—14	20.2	1.89	.....
Romulus	43	3	22.2	1.81	13.6
Saranac Lake	44	—30	14.6	1.84	19.2
Setauket†	56	12	29.5	5.40	9.5
Skaneateles	.....	.....	.....	2.79	.....
South Canisteo	51	— 9	19.1	3.32	26.1
South Kortright†	48	—20	18.6	1.76	.....
Stillwater	46	—20	20.5	2.69	15.5
Turin	40	—14	16.5	5.51	50.0
Varysburg	45	—14	20.2	2.10	13.4
Wappingers Falls	46	—14	20.8	3.64	20.0
Warwick	.....	.....	.....	2.76	.....
Watertown	46	—18	20.3	3.65	.....
Waverly†	43	—16	19.5	2.56	17.0
Wedgwood	48	— 4	19.6	2.30	17.5
West Chazy	43[c]	—19[c]	17.3[c]	1.80	.....
West Point†	54	4[i]	23.1[e]	5.49	45.9
Willets Point	53	9	28.2	5.37	7.5
North Carolina.					
Asheville†	60	— 1	34.2	4.92	8.0
Bailey*[5]	64	6	39.6	5.69	4.5
Bakersville†	60	—10	33.2	4.60	11.0
Blowing Rock†[5]	48	—18	27.0	6.22	8.0
Bryson City†	.....	.....	.....	7.87	8.0
Chapel Hill†	68	4	37.6	8.90	.....
Charlotte	.....	.....	.....	.....	1.0
Currituck Inlet†	.....	.....	.....	4.57	
Erie Mills	.....	.....	.....	6.51	
Experimental Farm	67[d]	7[d]	39.2[d]	6.61	
Fair Bluff†	.....	.....	.....	9.56	0.2
Falkland*[1]	69	12	41.2	4.82	1.7
Fayetteville†	.....	.....	.....	7.67	T.
Greensboro†	.....	.....	.....	4.38	
Greenville	.....	.....	.....	6.10	3.5
Henderson†	68	4	37.0	7.53	5.5
Highlands	57	—14	32.6	9.00	7.5
Horse Cove†	58	— 8	35.5	9.33	6.7
Lenoir*†[1]	62	1	35.0	6.07	5.9
Linville†	54	—15	27.9	6.62	11.0
Littleton†	67	7	37.8	4.48	2.0
Louisburg†	67	8	38.4	5.70	1.0
Lumberton†	69	8	44.0	9.04	
Lynn*†[2]	69	.....	36.7	7.47	
Marion	63	— 4	36.5	5.05	8.0
Mocksville†	65	1	38.5	5.71	2.0
Moncure†	69	3	38.8	8.61	
Morganton*†[1]	62	0	36.1	3.64	3.5
Mount Airy†	60	— 7	34.1	5.65	11.0
Mount Pleasant	65	4	39.0	6.74	1.0
Newbern†	76	17	46.0	6.30	
Oak Ridge†	61	— 2	35.0	6.31	4.7
Pantego	.....	.....	.....	4.88	
Pittsboro	64	6	36.4	9.21	3.0
Raleigh*†[1]	65	4	41.4	.....	
Raleigh (W. B.)†	.....	.....	.....	.....	T.
Rockingham†	75	4	44.1	9.35	T.
Roxboro†	59[1]	1	37.0[e]	6.26	3.5
Salisbury	62	7	40.0	5.87	1.7
Saxon†	63	— 4	36.5	5.75	7.2
North Carolina—Cont'd.					
Selma	71	9	41.4	5.68	
Skyuka	62	— 1	36.5	9.17	6.0
Sloan†	73	18	45.8	6.05	
Soapstone Mount†	68	2	37.3	6.19	2.0
Southern Pines†	74	7	40.3	7.60	
Southport	72	20	46.2	5.76	
Tarboro	71	11	41.0	4.54	0.2
Waynesville†	62	— 4	35.4	6.97	6.0
Weldon	67	10	38.6	5.26	.....
Willeyton	70[e]	14[e]	39.4[e]	3.91	2.0
North Dakota.					
Ashley†	31	—29	0.0	0.75	7.5
Berlin†	33	—38	—2.5	0.88	8.8
Bismarck	.....	.....	.....	.....	8.9
Bottineau†	23	—30	—6.2	0.75	7.5
Churchs Ferry	29	—34	—7.3	0.60	6.0
Devils Lake	30	—31	—4.4	0.51	6.5
Dickinson†	38	—35	1.8	0.10	1.0
Ellendale	32	—30	1.4	0.33	4.7
Fargo†	25	—36	—4.4	0.36	.....
Forman†	31	—36	—3.4	0.55	7.0
Fort Berthold	34	—46	0.6	0.85	8.5
Fort Yates†	.....	—25	.....	1.11	11.0
Gallatin†	30	—38	—4.8	0.42	4.4
Grafton†	29	—36	—9.1	0.60	6.0
Jamestown†	33	—30	1.4	0.63	6.3
Kelso†[1]	27[e]	—36	—2.7	0.75	7.5
Lakota	31	—31	—2.8	0.31	2.4
Larimore†	38	—27	—0.4	0.00	
Lemert†	30	—32	—5.0	0.20	2.0
McKinney	31	—31	—4.1	0.30	3.0
Milton†	28	—34	—9.3	0.50	5.0
Minto†	32	—30	—5.8	0.36	.....
Napoleon†	30	—28	—2.4	1.20	12.0
New England City†	40	—28	5.2	0.26	2.6
Oakdale†	42	—25	3.4	0.70	5.9
Portal†	28	—30	—4.8	0.30	3.0
Power†	26	—34	—2.8	0.75	7.5
St. John†	29	—27	—5.2	0.80	8.0
Sheyenne	32	—30	—3.2	0.40	4.0
Steele†	32	—33	—2.2	0.45	4.5
University†	26	—26	—1.5	0.31	3.1
Wahpeton†	31	—28	0.1	0.50	5.0
Washburn	34	—33	3.8	0.92	3.5
White Earth*[1]	30	—28	—4.9	0.40	4.0
Wild Rice†[2]	.....	.....	—3.8	0.81	8.1
Williston	.....	.....	.....	.....	5.4
Willow City†	30	—37	—7.1	0.80	8.0
Woodbridge†	27	—38	—8.5	0.19	1.9
Ohio.					
Akron	53	— 6	22.4	3.69	14.4
Annapolis	54	— 8	22.7	2.70	2.0
Arcanum	.....	.....	.....	3.17	12.5
Ashland	52	— 5	21.0	4.83	24.5
Athens	58	—10	27.1	4.14	7.5
Atwater	.....	.....	.....	3.85	19.0
Auburn	51	—11	19.5	3.30	9.3
Bangorville	51	—12	21.1	3.74	18.0
Bellefontaine	54	— 8	22.7	3.72	16.8
Benton Ridge	54	— 8	21.5	2.65	21.0
Bethany	59	—11	23.9	5.70	19.0
Big Prairie	54	— 7	21.3	4.24	22.5
Binola	54	— 6	24.7	4.02	18.5
Bissells	59	— 8	20.0	3.70	19.0
Bladensburg	55	—10	21.3	4.45	15.0
Bloomingburg	57	—11	24.7	5.48	18.0
Bowling Green	52	— 7	19.7	2.11	15.5
Bucyrus	54	— 8	22.8	4.10	15.0
Caledonia†	.....	.....	.....	3.05	24.0
Cambridge	56	— 8	23.3	4.62	13.0
Camp Dennison	59	— 9	25.5	6.01	16.5
Canal Dover	55	— 7	22.8	5.19	11.5
Canton†	58	— 5	23.8	4.15	7.8
Cardington	44	—11	14.3	2.00	16.5
Carrollton	55	— 8	22.5	4.30	12.0
Cedarville	.....	.....	.....	5.20	22.2
Celina	60	— 9	27.4	.....	.....
Cherry Fork	59	—19	25.6	5.01	5.4
Cincinnati†	.....	.....	.....	.....	17.9
Circleville *a*	.....	.....	.....	4.74	13.0
Circleville *b*	59	—10	26.0	4.99	16.5
Clarksville	58	—13	24.6	5.30	13.2
Cleveland	56	— 5	24.0	2.91	13.1
Cleveland (W. B.)	.....	.....	.....	.....	8.5
Clifton	56	—13	22.8	4.15	15.5
Coalton	59	—19	26.2	4.01	15.5
Colebrook	48	—12	18.7	3.54	10.9
Columbus	.....	.....	.....	.....	18.9
Cynthiana	60	—10	27.2	7.36	31.0
Dayton *a*†	.....	.....	.....	4.87	23.6
Dayton *b*	.....	.....	.....	4.08	14.9
Defiance	55	— 9	20.0	1.80	13.8
Demos	53	—11	23.6	4.55	15.4
Dupont	54	— 9	19.8	3.98	22.0
Ellsworth	53	— 7	21.7	3.92	11.2
Elyria	55	— 5	21.7	1.66	2.8
Ohio—Cont'd.					
Fayetteville	56	—12	24.9	6.84	21.4
Findlay	53	— 9	21.5	3.33	20.0
Fostoria	54	— 8	22.8	2.85	18.0
Frankfort	59	— 9	26.2	5.17	16.0
Garrettsville	52	—11	19.9	3.70	13.1
Georgetown	58	—10	27.9	.....	.....
Granville	56[c]	— 9	21.0	4.73	14.3
Gratoit	56	—11	24.5	4.07	17.0
Greenhill	53	—11	20.7	4.43	10.1
Greenville	55	—10	22.9	2.22	10.0
Guysville	57	—12	26.7	4.99	7.0
Hackney	55	— 9	25.5	4.27	6.0
Hanging Rock	59	—13	30.1	4.53	8.5
Harbor	52	— 5	22.9	3.44	17.5
Hebbardsville	58	—12	28.3	3.43	9.0
Hedges	47	—12	21.1	3.22	26.0
Hillhouse	52	— 9	20.7	5.41	37.0
Hillsboro	58	—15	25.3	5.27	16.5
Hiram	45	—10	20.4	3.33	9.5
Jacksonboro	58	—12	24.8	5.10	24.0
Kenton†	56	—10	22.8	2.31	14.5
Kilbourne	54	— 9	23.0	2.00	12.5
Killbuck	52	— 9	22.6	4.13	11.1
Leipsic	56	— 6	22.0	2.67	19.3
Levering	53	—16	17.6	3.17	16.6
Logan	58	—10	26.2	3.80	7.9
Lordstown	55	— 9	21.0	3.84	14.0
Lowell	58	— 7	26.5	1.80	4.0
McArthur	56	—12	26.6	5.05	6.5
McConnellsville	60	— 8	26.7	5.49	10.7
Mansfield†	.....	.....	.....	3.53	20.3
Marietta *a*†	.....	.....	.....	4.97	6.0
Marietta *b*	57[e]	— 4[e]	23.0[e]	5.43	11.5
Marion	54	— 9	22.4	4.07	16.4
Medina	55	— 7	20.5	2.92	12.0
Milfordton	51	—11	20.1	4.90	21.5
Milligan	58	—10	25.4	4.15	12.0
Millport	.....	.....	.....	4.10	8.0
Montpelier	48	— 8	17.9	2.79	13.0
Napoleon	52	— 7	20.4	2.07	15.2
New Alexandria	53	— 9	24.1	6.24	14.0
New Berlin	55	— 7	21.0	3.77	12.7
New Bremen	56	—12	22.2	2.38	9.6
New Comerstown	55	— 9	21.8	4.18	8.5
New Holland	59	—14	23.6	6.83	29.2
New Paris	56	—12	21.4	3.63	14.0
New Waterford	62	—14	23.3	6.90	26.5
North Lewisburg	57	— 8	22.1	4.45	25.0
North Royalton	52	— 8	21.5	3.03	11.0
Northwood	56	—12	23.6	2.32	14.7
Norwalk	56	— 9	20.5	2.85	11.0
Oberlin	54	— 7	21.7	2.82	15.2
Ohio State University	56	— 9	23.2	4.38	18.1
Ottawa	52	— 8	21.4	3.07	22.0
Pataskala	55	—10	22.0	4.87	13.2
Peoli	54	— 1	23.3	4.29	15.5
Plattsburg	55	—11	22.5	3.85	15.0
Point Marblehead*[10]	49	0	20.8	.....	
Pomeroy	57	— 8	26.7	4.20	11.9
Portsmouth *a*	.....	.....	.....	5.04	10.0
Portsmouth *b*	60	— 5	31.5	5.19	12.5
Richwood	.....	.....	.....	4.09	16.2
Ridgeville Corners	52	— 9	19.5	3.07	14.0
Ripley	59	—11	27.2	4.89	13.5
Rittman	54	— 8	20.6	3.65	10.1
Rocky Ridge	53	— 5	22.0	2.11	12.9
Rosewood	55	— 9	22.2	3.84	16.0
Sandusky	.....	.....	.....	.....	13.7
Sharon Center	.....	.....	.....	2.30	9.0
Shenandoah	54	— 9	20.9	2.69	15.2
Sidney *a*†	.....	.....	.....	3.08	11.0
Sidney *b*	48	— 8	22.4	3.28	17.5
Springboro	.....	.....	.....	3.56	.....
Steuben*[1]	56	— 2	23.3	2.00	11.0
Stoutsville	.....	.....	.....	6.12	21.0
Sylvania	50	—10	18.5	2.89	19.0
Thurman	59	—11	28.6	4.41	8.0
Tiffin†	54	— 6	22.6	2.74	17.0
Toledo	.....	.....	.....	.....	22.3
Upper Sandusky	54	— 8	22.3	3.14	16.5
Vanceburg	62	— 8	29.2	4.44	10.0
Van Wert	55	—10	20.4	2.09	13.7
Vermilion	56	— 7	21.3	3.03	19.0
Vickery	55	— 5	21.6	2.85	13.5
Walnut	.....	.....	.....	4.60	15.0
Warren	53	— 7	22.0	4.30	13.6
Warsaw	56	— 9	23.1	3.29	6.0
Wauseon	50	—11	18.8	2.27	18.2
Waverly	60	—12	27.6	5.43	9.4
Waynesville	.....	.....	.....	5.01	16.7
Wellington	55	— 9	22.3	2.65	12.0
Westerville	55	— 6	24.7	4.27	16.0
Wheeler	.....	.....	.....	3.05	29.0
Willoughby	.....	.....	.....	2.65	3.2
Wooster *a*	54	— 6	21.8	3.97	12.5
Youngstown	52	— 4	22.0	3.02	8.5
Zanesville†	.....	.....	.....	3.98	12.5

TABLE II.—*Meteorological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Oklahoma.	°	°	°	*Ins.*	*Ins.*
Anadarko †	76	— 9	36.0	0.95	6.0
Arapaho †	77	—10	31.8	1.01	9.7
Burnett †	72	—15	35.0	1.32	7.2
Clifton †	70	—16	32.0	1.41	12.0
Fort Reno †	73	0	31.4	1.10	6.0
Fort Sill	75	— 6	35.6	0.56	4.7
Guthrie †	73	— 3	33.7	1.05	9.8
Mangum †	74	— 5	38.6	0.40	4.0
Norman †	71	— 4	35.1	0.98	4.1
Oklahoma †	.....	.....	.....	.....	9.0
Ponca †	74	— 4	31.2	0.58	3.0
Pond Creek †	75	— 5	28.8	0.98	10.0
Sac and Fox Agency †	74	— 7	33.2	1.65	16.5
Winnview †	73	— 2	32.8	1.19	11.7
Oregon.					
Albany *a* †	61	24	39.5	12.25	.....
Arlington †	49	7	27.9	2.79	22.5
Ashland *b*	62	20	37.6	2.94	9.2
Astoria	.....	.....	.....	.....	3.5
Aurora *[8]	62	25	41.4	10.54	.....
Aurora (near)	58	21	38.1	9.78	.....
Baker City	.....	.....	.....	.....	25.5
Bandon	58	28	44.3	22.74	
Brownsville *[8]	64	18	40.9	8.85	
Burns †	49	—27	18.8	1.20	12.0
Canyon City †	55	3	32.5	3.13	11.7
Cascade Locks	46	20	33.1	12.71	.....
Comstock *[8]	60	18	38.8	8.60	
Cornelius	56	20	36.9	11.99	22.0
Corvallis *a*	61	23	38.3	11.65	1.0
Corvallis (near)	61	22	38.4	13.96	
Crook	51	— 4	27.7	1.38	13.8
Detroit †	45	12	31.8	14.10	48.5
East Portland	59	20	.....	8.49	.....
Eugene †	62	23	40.2	6.88	
Forest Grove	55	21	35.3	11.87	25.6
Gardiner	60	28	43.4	17.03	
Glenora	55	18	34.8	23.53	21.6
Grants Pass *a* †	60	19	38.4	6.87	T.
Happy Valley †	56	—10	27.8	0.66	5.4
Heppner †	61	7	30.8	1.99	14.8
Hood River (near)	48	7	30.6	10.85	80.5
Hubbard	58	22	37.2	11.08	1.0
Jacksonville	56	19	36.0	4.46	2.2
Joseph †	51	— 4	22.5	3.10	31.0
Junction City *[8]	48	22	34.2	5.98	.....
Lafayette *[8]	58	23	38.9	10.43	14.5
La Grande †	51	7	30.8	0.94	8.0
Lakeview †	45	—19	20.3	5.15	46.0
Langlois	68	29	45.1	24.73	
Lone Rock	55	1	26.2	2.42	28.2
McMinnville *a* †	58	21	37.2	11.42	18.5
McMinnville *b* *[8]	58	24	36.0	8.75	21.8
Merlin *[8]	58	14	35.3	9.63	3.0
Monmouth *[8]	60	27	42.3	9.16	11.5
Mount Angel †	62	22	38.6	11.21	T.
Nehalem	.....	.....	.....	19.47	3.5
Newport	77	28	45.7	13.68	.....
Pendleton	60	5	30.8	2.23	15.1
Portland	.....	.....	.....	.....	27.9
Riddles *[8]	58	18	37.8	4.64	.....
Salem *b* †	60	22	39.0	13.72	.....
Sheridan *[8]	59	23	39.2	13.29	6.5
Silverton *[8]	58	18	37.8	10.87	T.
Siskiyou *[8]	49	22	33.8	10.10	101.0
Sparta	43	1	24.5	3.50	35.0
Springbrook	59	25	38.3	12.32	13.8
Springfield *[8]	58	18	37.6	7.57	.....
The Dalles †	48	8	29.7	4.72	52.7
Toledo	60	18	42.4	.....	.....
Umatilla	.....	.....	.....	1.96	.....
Vale	47	— 3	24.5	1.15	10.1
West Fork *[8]	58	22	38.9	13.04	1.0
Weston	56	6	31.8	2.67	17.5
Williams	60	20	38.4	6.89	2.0
Pennsylvania.					
Altoona	68	9	33.9	3.22	.....
Aqueduct	50	— 1	25.8	3.72	11.8
Beaver Dam †	.....	.....	.....	4.19	6.0
Bethlehem	.....	.....	.....	4.04	.....
Blooming Grove *[1]	46	— 6	21.3	3.92	15.0
Brookville †	.....	.....	.....	3.17	12.0
Browers Lock	.....	.....	.....	4.82	.....
Carlisle *a*	45	2	24.2	3.74	10.5
Cassandra	51	—14	23.4	4.71	27.0
Chambersburg †	46	— 3	24.0	3.00	7.0
Clarion †	.....	.....	.....	4.13	20.4
Coatesville	48	5	27.3	5.08	7.2
Confluence †	.....	.....	.....	2.98	16.3
Coopersburg	46	5	27.0	4.19	7.3
Davis Island Dam †	.....	.....	.....	3.91	.....
Doylestown	.....	.....	.....	3.98	.....
Drifton	49[e]	— 3[e]	25.1[e]	1.69	8.0
Dubois †	.....	.....	.....	4.83	25.9
Dyberry †	47	—15	18.2	2.95	19.0
East Mauch Chunk	43	1	22.8	5.06	13.5
Easton	49	0	25.0	3.56	7.2
Pennsylvania—Cont'd.					
Edinboro *[1]	45	4	19.4	.....	.....
Ellwood Junction †	.....	.....	.....	4.25	10.5
Emporium	43	—17	19.5	4.79	25.9
Erie	.....	.....	.....	.....	22.2
Forks of Neshaminy *[1]	52	14	31.4	4.98	5.0
Frederick	.....	.....	.....	4.19	.....
Freeport †	.....	.....	.....	4.93	17.0
Girardville	.....	.....	.....	3.82	19.0
Grampian	50	—12	18.7	5.19	28.0
Greensboro †	.....	.....	.....	4.34	6.0
Greenville	50	—10	21.0	3.50	15.5
Hamburg	47	2	26.2	5.82	.....
Harrisburg	.....	.....	.....	.....	9.0
Hollidaysburg	47	—11	21.9	5.74	21.0
Honesdale	49	—12	22.5	3.68	16.5
Huntingdon †	45	— 7	24.2	5.16	15.5
Johnstown †	49	— 5	25.0	4.91	15.0
Kennett Square	51	7	28.3	5.30	8.5
Lancaster	57	1	28.1	4.17	7.8
Lansdale	.....	.....	.....	5.09	.....
Lebanon	44	0	23.9	4.70	15.1
Le Roy †	46	— 4	18.9	3.27	21.7
Lewisburg	44	—15	18.9	3.10	14.0
Lock Haven †	49	—13	20.4	4.73	29.0
Lock No. 4 †	.....	.....	.....	3.64	21.0
Lycippus	55	— 9	24.1	4.66	12.8
Mahoning †	.....	.....	.....	4.65	20.1
Oil City †	.....	.....	.....	4.63	14.8
Ottsville	.....	.....	.....	3.93	.....
Parker †	.....	.....	.....	4.16	10.0
Philadelphia *a*	.....	.....	.....	5.55	.....
Philadelphia *b*	53	12	30.8	5.06	4.8
Philadelphia (W. B.)	.....	.....	.....	.....	4.6
Phœnixville	50	5	27.7	5.47	12.0
Pittsburg	.....	.....	.....	.....	8.3
Point Pleasant	.....	.....	.....	4.63	.....
Pottstown	49	6	27.4	5.65	4.5
Quakertown *a*	48	2	25.4	3.73	8.0
Reading[2]	.....	.....	25.4	3.90	.....
Ridgway †	.....	.....	.....	3.84	16.2
Saegerstown	50	—12	21.2	3.92	18.0
Salem Corners	50	— 4	22.6	4.42	24.4
Saltsburg †	.....	.....	.....	4.83	14.2
Seisholtzville	.....	.....	.....	4.40	.....
Selinsgrove	.....	.....	.....	.....	7.7
Shinglehouse	44	—15	16.8	1.83	15.8
Smethport	47	—16	18.9	4.10	20.5
Smiths Corners	.....	.....	.....	4.47	.....
Somerset	48	—13	18.9	6.36	32.0
South Bethlehem	48	5	24.8	.....	6.0
South Eaton	47	—11	21.6	2.35	12.5
State College	46	— 5	21.8	4.18	23.8
Stoyestown †	.....	.....	.....	3.37	16.0
Towanda	44	—16	19.0	1.95	20.5
Uniontown	58	— 7	27.7	4.89	14.0
Warren	.....	.....	.....	3.22	14.0
Wellsboro *† [1]	45	—16	18.6	3.00	25.0
West Chester	49	7	27.9	4.95	6.8
West Newton †	.....	.....	.....	3.96	10.3
Wilkesbarre †	47	— 2	24.4	3.43	13.0
York †	47	1	25.7	4.03	9.5
Rhode Island.					
Block Island	.....	.....	.....	.....	6.8
Bristol	51	7	28.8	3.69	10.5
Kingston	50	3	26.9	5.94	16.0
Lonsdale	.....	.....	.....	5.19	12.5
Narragansett Pier	.....	.....	.....	.....	8.9
Pawtucket	52	4	28.3	5.29	15.2
Providence *a*	54	6	29.4	5.74	13.8
Providence *c*	54	4	27.3	5.91	11.0
South Carolina.					
Anderson †	.....	.....	.....	8.08	
Blackville †	71	12	46.4	7.70	
Blenheim *[3]	.....	12	41.6	5.68	
Branchville	74	16	48.6	6.41	
Camden †	.....	.....	.....	8.09	3.0
Central[2]	.....	.....	38.9	7.95	T.
Cheraw *a* †	70	8	42.4	6.69	
Cheraw *b*	.....	.....	.....	7.90	
Columbia	.....	.....	.....	.....	T.
Conway †	.....	.....	.....	10.10	T.
Darlington *[1]	68	13	43.5	.....	.....
Edisto	.....	.....	.....	9.13	
Effingham †	.....	.....	.....	7.27	T.
Georgetown	75	20	45.3	7.58	
Greenwood †	.....	.....	.....	11.83	
Hardeeville †	73	20	48.8	7.49	.....
Holland †	71	8	41.6	8.07	0.5
Kingstree *b* †	.....	.....	.....	7.57	
Little Mountain	74	5	44.8	6.13	T.
Longshore †	68	9	41.0	8.30	1.0
Mount Carmel †	.....	.....	.....	6.83	
Pinopolis *[1]	67	20	46.6	9.27	
Port Royal †	69	22	49.4	4.23	
Ridgeway †	69	7	43.1	5.00	
St. George †	74	16	48.0	8.59	
St. Stephens †	.....	.....	.....	8.78	.....
South Carolina—Cont'd.					
Santuck	68	6	41.8	7.47	T.
Shaws Fork *[1]	80	17	48.2	5.70	
Society Hill †	70	14	44.0	6.83	
Statesburg †	72	12	45.1	8.44	
Timmonsville *[1]	68	24	46.7	.....	.....
Trenton	68	9	46.6	8.28	T.
Trial †	80	15	49.5	9.16	
Watts *[5]	70	9	42.4	10.20	T.
Yorkville	65	5	41.5	5.88	T.
South Dakota.					
Aberdeen †	38	—34	—2.0	1.92	17.8
Alexandria †	42	—22	6.3	0.40	4.0
Ashcroft †	47	—25	10.4	0.93	9.3
Bowdle *† [1]	36	—24	1.2	0.85	8.5
Brookings †	34	—24	4.4	0.25	2.5
Buffalo Gap *[1]	71	—10	22.3	0.20	2.0
Castlewood †	32	—26	1.9	0.34	3.4
Cheyenne Agency †	34	—25	1.8	1.60	16.0
Cross †	55	—15	19.2	0.24	5.0
De Smet[h]	37	—25	5.1	0.50	5.0
Farmingdale	.....	.....	.....	0.10	2.8
Faulkton †	32	—27	0.8	.....	.....
Flandreau †	33	—23	5.6	0.47	4.8
Forestburg †	39	—25	6.6	0.35	3.6
Fort Meade	54	—11	15.0	0.85	8.5
Gary †	33	—34	—2.2	0.25	1.5
Greenwood	52	—15	13.7	0.34	3.5
Highmore †	56	—26	3.7	0.20	2.0
Hotch City †	41	—21	10.2	0.20	2.0
Hot Springs †	62	—12	19.4	0.33	2.8
Howard †	36	—23	4.8	0.20	2.0
Huron	.....	.....	.....	.....	8.8
Ipswich *[1]	35	—34	2.6	0.70	7.0
Kimball †	39	—22	8.8	0.36	3.0
Millbank †	32	—26	3.0	0.20	2.0
Northville *[1]	34	—33	0.6	0.74	7.4
Oelrichs †	49	—17	15.2	1.50	15.0
Parker †	40	—24	8.4	0.70	7.0
Parkston †	45	—25	6.4	0.24	2.4
Piedmont	.....	.....	.....	0.37	3.0
Pierre	.....	.....	.....	.....	7.0
Plankinton †	44	—20	8.3	0.20	2.0
Rapid City	.....	.....	.....	.....	3.1
Rosebud †	58	—15	17.2	1.20	12.0
Shiloh †	35	—30	6.0	0.12	1.2
Silver City	.....	.....	.....	0.22	2.2
Sioux Falls †	39	—22	7.2	0.50	5.0
Spearfish †	53	—10	18.6	1.50	13.0
Tyndall †	53	—16	13.4	0.05	0.5
Vermillion	40	—17	13.1	0.28	2.8
Watertown †	32	—25	2.4	0.50	5.0
Webster †	32	—34	3.6	0.77	5.0
Wentworth	33	—25	4.6	0.38	3.8
Wessington Springs †	38	—20	8.4	0.47	4.8
Yankton †	49	—16	12.1	0.34	.....
Tennessee.					
Andersonville *[1]	53	— 6	31.9	4.64	14.2
Ashwood *† [1]	62	4	36.5	4.50	12.8
Bolivar	68	7	37.4	5.06	9.5
Bristol †	55	—15	29.5	5.59	15.0
Byrdstown *† [1]	60	— 6	33.7	8.10	19.5
Carthage †	.....	.....	.....	6.30	6.8
Charleston †	.....	.....	.....	8.08	5.0
Chattanooga	.....	.....	.....	.....	3.8
Clarksville	64	4	32.8	5.83	22.0
Clinton †	.....	.....	.....	7.84	19.0
Columbia †	.....	.....	.....	5.66	7.0
Covington *a* †	68	6	34.6	6.96	11.5
Covington *b*[h]	67	8	37.2	.....	.....
Fairmount *[5] †	56	7	34.2	.....	.....
Florence †	62	1	34.5	6.38	9.5
Franklin †	63	— 4	33.6	6.55	18.0
Greeneville †	57	— 8	34.3	4.93	13.0
Harriman †	61	— 3	33.5	5.96	7.4
Hohenwald *[3]	.....	8	34.6	6.03	11.6
Jacksboro *[4]	.....	— 3	32.6	5.60	14.8
Jackson *† [1]	63[d]	8[b]	33.6[c]	4.45	12.0
Johnsonville †	.....	.....	.....	5.89	7.8
Kingston †	.....	.....	.....	7.90	8.4
Knoxville	.....	.....	.....	.....	12.0
Loudon †	.....	.....	.....	7.17	9.0
Lynnville *[1]	71	6	37.3	7.10	19.0
McMinnville †	.....	.....	.....	4.43	4.2
Memphis	.....	.....	.....	.....	6.5
Nashville	.....	.....	.....	.....	14.0
Newport *[3]	60	— 3	33.4	5.69	11.0
Nunnelly *[1]	65	0	36.4	6.24	12.2
Palmetto †	.....	.....	.....	6.74	.....
Parksville *[1]	62	5	33.5	8.91	4.0
Riddleton †	65	— 1	34.8	5.31	5.5
Rockwood †	.....	.....	.....	7.58	8.0
Rogersville *[1]	55	— 5	33.7	4.06	9.0
Rugby *[1]	50	— 6	32.9	8.37	23.8
St. Bethlehem	62	— 4	33.6	5.38	15.0
Springdale *[1]	56	—10	33.2	7.86	26.0
Strawberry Plains †	.....	.....	.....	6.65	11.0
Tullahoma *† [1]	61	— 3	34.2	7.45	12.0

TABLE II.—*Meteorological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Tennessee—Cont'd.	°	°	°	*Ins.*	*Ins.*
Waynesboro *[1]	63	5	37.0	4.54	8.0
Texas.					
Abilene					6.0
Albany *†[1]	70	12	43.4	1.23	12.0
Amarillo					18.0
Arthur City†				2.39	5.0
Aurora *[1]	80	7	43.5	1.62	10.0
Austin *a*†	68	28	43.3	1.30	
Austin *b* *[5]	76	26	49.9		
Bellville *[5]	78	28	55.0		
Boerne *†[3]	72	24	50.2	1.48	
Brady†	77	16	45.4	1.12	2.3
Brazoria†	81	22	56.4	1.53	
Brenham†	81	23[d]	53.6[d]	2.00	
Burnet *†[1]	80	22	51.1	1.29	12.9
Camp Eagle Pass†	85	20	54.4	0.20	
Coldwater †[h]	58	—16	27.7	0.35	3.5
Coleman		14	42.6	1.20	6.0
College Station	79	20	49.2	1.45	
Columbia†	81	23	56.4	2.05	
Corsicana *a*†	81	19[g]	47.6[e]	1.92	3.5
Corsicana *b*†	78	10	41.2	1.58	3.0
Cuero†	85	26	60.4	0.82	
Dallas†	78	10	42.4	2.67	5.0
Durham†				0.80	8.0
Duval *[1]	79	22	50.1	0.70	
El Paso					2.5
Estelle†	78	10	42.1	1.47	9.0
Flower Bluff†	78	21	58.8	0.54	
Forestburg†	78	6	40.4	0.90	9.0
Fort Brown†	84	32	61.0	0.47	
Fort Clark	78	24	52.0	0.17	
Fort Hancock	72	9	42.5	0.70	
Fort McIntosh	85	25	59.0	T.	
Fort Ringgold†	90	26	60.0	0.40	
Fort Stockton†				0.81	0.5
Fort Worth†	76[d]	12[d]	45.1[d]	2.37	10.4
Fredericksburg *†[1]	72	21	45.6	1.30	
Golindo				1.30	13.0
Graham†	80	— 5	39.6	1.02	10.0
Grape Vine†	77	10	41.6	2.93	8.0
Hale Center†	69	7	41.6	0.35	3.5
Hallettsville†	82	23	53.5	1.09	
Happy	70	— 6	34.4	0.51	4.5
Hartley†	65	—14	28.4	0.24	2.5
Haskell				1.20	12.0
Hewitt				1.90	3.3
Houston†	80	24	51.7	1.89	
Huntsville†	80	20	50.2	3.06	
Kent				1.44	12.0
Lampasas *[1]	78	13	46.0	2.21	2.0
Leakey†	75	29	54.2	1.30	
Llano *†[3]	77	25	47.5	1.10	
Longview†	78	16	46.0	7.44	
Luling†	82	23	53.2	0.94	T.
McGregor†	74	15	43.4	1.72	2.5
Marshall†	79	12	47.0	7.66	2.6
Menardville *†[1]	76	15	45.7	0.85	1.0
Midland†	83	4	45.5	0.70	7.0
Mountain Spring†	80	5	42.5	1.25	10.0
Mount Blanco†	75	0	37.2	0.50	5.0
New Braunfels†	79	22	51.4	1.38	
Ochiltree				0.08	
Orange†	77	25	52.7	1.80	
Palestine					3.3
Panter *[1g]	76	11	41.1	1.75	12.2
Roby†	77	— 3	39.2	1.20	12.0
Rockport *[1]	74	30	55.5		
Rock Springs†	85	18	51.4	0.74	T.
Round Rock†	77	32	52.2	1.65	1.5
San Antonio	81	24	54.6	1.18	
San Marcos *a*†				1.30	
Sherman	73	15	43.4	2.64	8.0
Sierra Blanca	70	15	47.9	0.35	3.5
Stafford†	90	20	52.8	2.32	
Sulphur Springs†	80	3	37.8	4.58	2.0
Temple†	78	17	45.4	2.70	
Tyler†	78	15	44.6	0.44	0.5
Victoria†				0.85	
Waco†	79	20	46.6	2.20	
Weatherford†	77	11	42.0	1.81	16.0
Wichita Falls†	75	1	37.0	0.60	6.0
Utah.					
Alpine City†				2.17	21.0
Blue Creek *[8]	42	0	23.6	1.55	13.5
Brigham City				2.63	20.5
Castle Gate†	55	— 5	26.3		
Cisco†	51	3	29.5	0.53	4.0
Corinne *[8]	45	— 6	24.2	1.30	13.0
Deseret†	45	— 8	24.6	0.40	
Emery				3.90	39.0
Fillmore†	55	—16	25.4	1.93	
Fort Duchesne†	43	—25	8.5	0.09	0.9
Glendale *†[1]	48[e]	6	25.8[e]	2.60	26.0
Green River†	34	5	18.2	0.75	0.2
Grouse Creek *†[1]	40	— 9	17.3	1.71	17.3
Grover†	44	—12	20.9	0.40	5.0

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Utah—Cont'd.	°	°	°	*Ins.*	*Ins.*
Heber†	48	—24	18.4	3.22	32.2
Huntsville†				3.85	11.0
Kelton *[8]	42	—12	18.8	0.30	3.0
Koosharem	47	—17	20.2	0.98	8.2
Levan †[2]			21.3	1.60	16.0
Loa†	51	—19	19.5	1.42	14.2
Logan†	42	—23[f]	19.6[e]	2.13	19.5
Manti†	40	—18	17.6	2.00	20.0
Millville†				2.09	
Moab†	58	12	31.2	0.64	5.9
Mount Pleasant *†[1]	44	— 6	24.0	1.90	19.0
Ogden *a* *[8]	45	1	27.9	1.85	18.5
Ogden *b* *†[1]	53	3	29.8	2.61	20.0
Pahreah†	48	2	27.0	1.26	6.6
Parowan†	53	— 9	25.4	1.94	19.5
Promontory *[8]	48	— 3	25.2	0.80	8.0
Provo City †[2]			23.2		
St. George†	60	10	34.1	1.99	5.5
Salt Lake City					13.0
Scipio†				0.58	
Snowville†	41	—12	18.0	2.15	19.0
Soldier Summit†	39	—14	13.1	3.50	35.0
Terrace *[8]	46	—12	21.2	0.40	4.0
Thistle†	48	0	26.6	0.82	8.2
Vernal†	56	—10	21.0	1.00	8.5
Virgin City†				2.21	7.0
Vermont.					
Brattleboro	42	—24	19.0	2.73	21.0
Burlington†	43	— 9	22.1	1.31	16.0
Cornwall	52	—11	20.3	1.45	10.0
Enosburg Falls†	45	—20	18.8	1.70	8.5
Hartland†	41	—20	15.4	2.26	13.8
Irasburg†	42	—18	14.6	2.48	22.5
Jacksonville	42	—20	17.2	4.10	26.3
Northfield					16.8
Norwich *[6]	44	—14	17.2	1.53	12.5
St. Johnsbury	43	—18	15.7	1.89	16.0
Simonsville	45	— 5	16.4	1.80	
Strafford *†[1]	38	—12	18.3	1.90	22.0
Vernon *[6]	39	—16	17.5	3.18	
Wells	45	—15	20.6	1.38	9.5
Woodstock	43	—24	14.9	2.21	16.0
Virginia.					
Abingdon†				3.86	20.4
Alexandria	62	6	33.2	5.12	7.5
Ashland†	60	3	33.7		11.5
Avon†	60	— 4	32.0	5.00	25.0
Bedford City†	57	— 6	33.2	3.62	27.0
Big Stone Gap†	56	—17	29.0	6.83	17.0
Birdsnest *†[1]	65	19	37.6	3.95	1.6
Blacksburg	56	—13	28.5	6.29	21.3
Buchanan†				7.88	21.0
Buckingham†	61	— 1	32.3	5.37	14.0
Callaville†	67	6	37.9	3.56	6.0
Cape Charles†	64	19	39.0	3.10	
Cape Henry					T.
Christiansburg†				4.96	24.0
Dale Enterprise†	56	—12	26.3	4.40	25.0
Grahams Forge				6.88	21.2
Hampton	65	15	39.5	3.87	2.0
Hot Springs	47	—18	26.6	4.59	28.2
Irwin†	62	3	33.2		10.5
Lexington†	50	—12	30.4	7.25	17.8
Lynchburg					20.2
Marion†	54	—12	31.1[e]	4.68	21.0
Monterey†	50			4.02	34.0
Norfolk					2.7
Nottoway	67	— 1	35.8	4.60	3.0
Petersburg†	68	5	37.2	3.99	4.1
Richmond (near)†	70	3	36.6	5.14	7.5
Richmond *b*†				5.09	5.6
Rocky Mount†	59	— 5	35.8	4.89	19.0
Salem†	60	— 6	34.7	6.73	20.0
Saltville	53	—12	30.2		
Smithville†	60	0	34.4	5.38	5.7
Spottsville†	66	12	36.7	4.03	5.2
Stanardsville†	53	— 1	30.3	5.72	16.0
Staunton†	58	—13	29.3	5.97	23.0
Stephens City†	55	— 4	27.2	4.53	19.0
Sunbeam†	69	12	39.4	3.85	0.5
Warsaw†	65	8	34.4	4.83	9.5
Whittles Depot	61	3	35.0	6.98	10.0
Wytheville	53	—11	29.5	4.70	27.2
Washington.					
Aberdeen†	57	25	38.6	10.89	11.5
Anacortes				2.82	5.5
Ashford				7.05	28.8
Blaine†	59	16	33.1	6.97	11.0
Bridgeport†	50	1	22.5	1.75	5.0
Cascade Tunnel	41	11	25.6	13.04	123.0
Centerville†	45	— 5	26.0	3.85	38.5
Chehalis	55	21	36.3	4.00	2.0
Colfax†	46	3	29.0	3.31	24.0
Conconully†	46	— 2	24.0	0.75	4.5
East Clallam					15.0
East Sound†	59	21	37.8	3.36	11.0
Ellensburg†	41	— 6	22.0	2.37	22.7

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Washington—Cont'd.	°	°	°	*Ins.*	*Ins.*
Ellensburg (near)	46	2	24.6	2.75	21.0
Everett	54	23	36.8	4.48	8.2
Ferry†	55	19	36.2	8.09	14.0
Fort Canby					T.
Fort Simcoe	52	12	30.0	6.15	48.0
Fort Spokane	50	1	23.9	1.52	14.5
Fort Townsend	55	27	36.6	1.77	11.0
Grand Mound†	56	25	38.4	8.83	24.6
Hunters†	44	2	22.5	3.33	22.0
Index†	48	28	36.6	13.91	23.0
Kennewick†	62	11	31.2	1.35	10.6
Lakeside†	45	7	24.6	2.40	14.5
Lapush†	58	27	39.4	9.50	6.0
Madrone *†[1]	57	26	38.4	6.61	21.5
Moxee Valley†	52	5	26.5	4.89	43.2
Neah Bay					10.5
Oak Harbor				0.60	6.0
Olga†	58	23	39.1	2.89	7.5
Olympia†					17.0
Pine Hill *[1]	47	5	30.8	7.21	69.5
Port Angeles					15.0
Port Crescent					23.2
Pullman	44	4	27.4	4.06	29.0
Pysht					16.9
Rosalia†	47	4	26.2	2.57	14.8
Seattle					11.0
Silver Creek *[1]	52	23	36.8	7.73	19.5
Snohomish†	57	23	38.0	5.38	3.0
Spokane					19.5
Stampede†	48	14	30.0	9.62	74.5
Stillaguamish†	54	18	36.0	4.38	11.0
Sulphur	64	21	43.3	0.08	0.0
Sunnyside†	52	4	27.3	2.11	16.5
Tacoma†	60	23	38.2	7.36	0.4
Tatoosh Island					5.7
Union City†	56	30	38.4	12.25	27.0
Vashon†	56			5.30	12.5
Walla Walla					16.0
Waterville†	44	— 2	21.0	2.56	18.0
Wenatchee Lake†	47	1	24.4		24.0
West Ferndale†	60	23	35.5	3.34	3.2
West Virginia.					
Beverly†	58	—20	29.7	4.61	24.0
Bloomery†	42	— 7	23.1	3.70	15.8
Bluefield†	54	—17	28.6	5.75	28.0
Buckhannon *a*†				4.14	17.2
Burlington†	48	— 7	24.1	2.40	11.5
Charleston†				5.19	1.0
Cloverdale†				4.20	16.5
Elkhorn†	58	—10	32.5	4.64	20.0
Fairmont†				5.81	11.0
Forest Hill	52	—10	31.9		15.0
Glenville†	58	—10	28.4	4.90	8.0
Grafton†	57	—13	28.2	4.67	17.0
Green Sulphur	52	—20	29.6	3.30	14.0
Harpers Ferry†				4.33	15.0
Hinton *a*†				5.06	15.0
Hinton *b*† [1]	52	—11	30.3		
Huntington	61	— 8	30.1		
Lake	58	— 4	32.5	4.39	11.6
Leachtown†				5.65	9.5
Madison†	61	—11	30.9	6.08	16.9
Martinsburg†	49	— 2	26.4	2.45	10.5
Monarch *†[1]	60	— 6	32.2	6.53	19.0
Morgantown *a*†				4.74	
Morgantown *b*†	69	—11	29.5		8.8
New Cumberland†	57	— 4	26.5		
New Martinsville†	54	— 6	27.5	4.76	8.5
Nuttallburg†	60	—21	28.5	4.44	14.0
Parkersburg					12.1
Pennsboro	64[d]	—12[d]	27.7[d]	2.65	7.0
Philippi†				3.36	13.0
Pleasant Hill *[3]	55	—15	23.4		
Point Pleasant†	59	— 6	29.2	4.98	13.0
Powellton†	56	— 5	28.5	5.18	26.5
Raleigh	50	—19	26.9	2.37	7.5
Rowlesburg†				2.98	11.0
Sandyville†	59	—13	28.3	4.90	11.0
Tannery *[1]	57	—12	26.6		13.8
Weston *a*†				5.86	12.4
Weston *b* *[1]	60	— 6	32.4	6.06	11.0
Wheeling *a*†				4.56	13.0
Wheeling *b*†	58	— 1	29.4	4.94	14.0
Wisconsin.					
Amherst	35	—17	10.0	1.97	19.7
Antigo†	33	—24	8.7	1.79	14.3
Apollonia *[1]	46	—26	8.8	1.35	7.5
Barron †[f]	35	—29	3.4	0.83	8.2
Bayfield	34	—23	7.1	2.30	23.0
Beaver Dam	42	—20	14.5	2.10	21.2
Belleville	42	—22	9.3	1.45	9.0
Beloit	46	—15	13.0	1.83	14.8
Berlin	40	—16	16.6	1.21	
Black River Falls†	35	—30	9.0	0.80	8.2
Butternut†	33	—26	6.9	1.37	13.6
Centralia	35	—22	9.9	1.40	8.0
Chilton	41	—15	12.2	3.47	34.7

TABLE II.—*Meteorological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	*Ins.*	*Ins.*
Wisconsin—Cont'd.					
Chippewa Falls†	.....	.....	.....	1.17	15.0
City Point	35	—27	7.2	1.15	12.0
Columbus	40	—17	10.1	2.35	18.5
Crandon†	35	.....	.....	2.75	27.5
Delavan†	44	—18	11.4	1.00	.....
Depere†	36	—15	12.5	2.70	23.4
Eau Claire	35	—22	8.5	0.98	10.0
Florence†	.....	.....	.....	2.19	.....
Fond du Lac†	42	—17	10.8	1.34	7.8
Grantsburg†	.....	.....	.....	0.99	10.0
Green Bay	.....	.....	.....	.....	14.3
Hartford†	.....	.....	.....	2.58	14.0
Harvey†	42	—18	13.2	1.46	8.0
Hayward†	31	—36	5.2	0.92	5.2
Hillsboro	38	—28	10.6	2.30	22.0
Janesville	42	—15	12.6	1.30	6.0
Koepenick*†[1]	38	—22	8.4	1.50	12.5
La Crosse	.....	.....	.....	.....	16.2
Lancaster†	44	—20	9.3	1.83	17.5
Lincoln[2]	.....	.....	15.8	2.16	13.0
Madison†	42	—14	11.0	1.12	.....
Manitowoc†	41	—12	14.2	1.64	18.5
Meadow Valley†	35	—22	7.7	0.72	11.0
Medford†	35	—27	7.8	1.47	14.8
Menomonie	32	—28	2.5	1.23	9.3
Milwaukee	.....	.....	.....	.....	15.1
Neillsville†	36	—30	9.2	1.10	7.0
New Holstein†	40	—14	11.9	2.15	21.4
Oconomowoc†	43	—18	10.2	1.11	8.0
Oconto	37	—15	14.4	1.00	.....
Osceola†	34	—35	2.6	0.86	13.0
Oshkosh†	48[d]	—12*	13.8[e]	2.42	24.2
Pepin	33	—34	4.2	0.65	9.0
Pine River†	37	—21	10.4	0.90	10.9
Portage†	.....	.....	.....	2.04	16.5
Port Washington	50	—14	16.4	1.41	8.0
Prairie du Chien	44[g]	—24[g]	12.3[g]	1.45	17.5
Racine*[10]	37	—15	13.8	.....	
Rhinelander†	35	—25	8.6	0.14	.....
Royalton	36	—21	5.6	1.50	10.5
Sharon†	45	—16	12.1	1.90	12.0
Shawano	39	—16	15.3	1.13	10.5
Sheboygan*[9]	36	—15	14.6	.....	.....
Spooner†	38	—29	6.2	1.50	15.0
Stevens Point†	34	—24	10.0	1.09	18.3
Wisconsin—Cont'd.					
Sturgeon Bay Canal*[9]	40	0	16.1	.....	
Valley Junction†	37	—23	9.0	0.85	7.2
Viroqua	38	—20	9.0	1.55	13.0
Watertown†	38	—16	13.8	1.77	14.7
Waukesha[3]	42	—14*	11.4	1.55	9.2
West Bend	44	—10	17.6	2.00	10.2
Westfield†	37	—21	10.6	1.40	13.0
Weston*†[3]	.....	—18	8.4	0.63	8.5
Whitehall	37	—30	6.4	.....	.....
Wyoming.					
Big Horn Ranch†	51	—30	19.3	0.45	4.5
Cheyenne	.....	.....	.....	.....	2.9
Fort Laramie†	59	—18	24.8	0.62	6.3
Fort Washakie	55	—25	19.2	0.18	1.8
Fort Yellowstone†	41	—28	18.6	4.76	47.6
La Barge†[1]	50	—40*	17.4	0.36	3.0
Lander	54	—24	19.8	0.80	8.0
Lander (W. B.)	.....	.....	.....	.....	6.8
Laramie	49	—14	20.5	0.08	.....
Saratoga†	45	—28	17.2	0.70	7.0
Sheridan	53	—27	14.4	1.60	16.0
Sundance	43	—14	17.7	1.20	12.0
Mexico.					
Ciudad P. Diaz	85	28	57.2	0.22	
Leon de Aldamas	74	32	56.4	0.00	
Mexico	72	33	54.2	0.00	
Puebla	74	39	55.4	0.00	
Topolobampo*[1]	84	55	66.6	0.68	
New Brunswick.					
St. John	44	— 5	22.8	4.36	27.0
Reports received too late to be used in general discussion of weather for January, 1895.					
Arizona.					
Walnut Ranch*[1]	60	20	41.6	0.87	5.0
California.					
Tecarte Dam	.....	.....	.....	19.24	.....
Nebraska.					
Lincoln	65	—12	19.6	0.20	2.0

EXPLANATION OF SIGNS.

* Extremes of temperature from observed readings of dry thermometer.

† Weather Bureau instruments.

‡ Record furnished by the Arrowhead Reservoir Company, in the San Bernardino Mountains, San Bernardino County, Cal., at elevations varying from 4,900 to 6,900 feet.

A numeral following the name of a station indicates the hours of observation from which the mean temperature was obtained, thus:

[1] Mean of 7 a. m. + 2 p. m. + 9 p. m. + 9 p. m. ÷ 4.
[2] Mean of 8 a. m. + 8 p. m. ÷ 2.
[3] Mean of 7 a. m. + 7 p. m. ÷ 2.
[4] Mean of 6 a. m. + 6 p. m. ÷ 2.
[5] Mean of 7 a. m. + 2 p. m. ÷ 2.
[6] Mean of readings at various hours reduced to true daily mean by special tables.
[7] Mean from hourly readings of thermograph.
[8] Mean of 7 a. m. + 2 p. m. + 9 p. m. ÷ 3.
[9] Mean of sunrise and noon.
[10] Mean of sunrise, noon, sunset, and midnight.

The absence of a numeral indicates that the mean temperature has been obtained from daily readings of the maximum and minimum thermometers.

An italic letter following the name of a station, as "Livingston *a*," "Livingston *b*," indicates that two or more observers, as the case may be, are reporting from the same station. A small roman letter following the name of a station, or in figure columns, indicates the number of days missing from the record; for instance, "n" denotes 14 days missing.

No note is made of breaks in the continuity of temperature records when the same do not exceed two days. All known breaks, of whatever duration, in the precipitation record receive appropriate notice.

Corrections: California. Dunsmuir, December, 1894, make total precipitation 29.30 instead of 15.80. California, Martinez, November, 1894, make mean temperature 52.0 instead of 62.0. April, 1894, page 169, in table of thunderstorms, make total for the District of Columbia 3 instead of 8.

NOTE.—The following changes have been made in the names of stations: New Jersey, Deckertown, changed to Pochunk Mountain. Washington, Elbe, changed to Ashford.

TABLE III.—*Data from Canadian stations for the month of January*, 1895.

Stations.	Pressure. Mean not reduced.	Mean reduced.	Departure from normal.	Temperature. Mean.	Departure from normal.	Precipitation. Total.	Departure from normal.	Prevailing direction of wind.
	Inches.	*Inches.*	*Inches.*	°	°	*Inches*	*Inches.*	
St. John, N. F	29.82	29.97	+ .13	28.1	+ 4.5	3.23	.....	n.
Sydney, C. B. I	29.90	29.96	+ .06	25.6	+ 6.1	5.85	+ 1.04	nw.
Halifax, N. S	29.85	29.99	+ .03	25.9	+ 4.9	10.12	+ 4.43	w.
Grand Manan, N. B	29.92	29.97	.....	26.7	.....	5.10	— 0.27	w.
Yarmouth, N. S	29.90	29.98	— .04	28.8	+ 3.3	5.93	+ 0.71	nw.
St. Andrews, N. B	29.90	29.95	.....	22.1	.....	5.40	+ 2.10	nw.
Charlottetown, P. E. I.	29.92	29.96	.....	20.5	.....	3.86	+ 0.45	w.
Chatham, N. B	29.94	29.96	— .06	11.1	+ 5.1	3.07	— 0.21	w.
Father Point, Que	29.93	29.96	— .06	12.2	+ 6.2	2.55	— 0.15	w.
Quebec, Que	29.62	29.98	— .08	12.4	+ 5.4	2.47	— 1.20	w.
Montreal, Que	29.76	29.99	— .09	14.2	+ 4.2	3.76	+ 0.48	sw.
Rockliffe, Ont	29.38	29.93	— .13	5.2	+ 1.7	3.20	+ 1.19	se.
Kingston, Ont	29.64	29.98	— .10	17.1	+ 2.1	3.04	— 0.22	w.
Toronto, Ont	29.57	29.98	— .11	20.9	+ 1.9	4.65	+ 2.14	sw.
White River, Ont	28.53	30.02	.....	— 4.2	— 2.8	3.00	+ 1.67	n.
Port Stanley, Ont	29.32	30.00	— .10	19.6	.....	4.67	+ 1.99	w.
Saugeen, Ont	29.18	29.94	— .12	20.2	+ 1.7	7.29	+ 3.83	w.
Parry Sound, Ont	29.18	29.93	— .15	13.5	+ 2.0	7.75	+ 4.60	e.
Port Arthur, Ont	29.22	29.98	— .12	3.5	+ 3.0	0.71	— 0.10	w.
Winnipeg, Man	29.20	30.09	— .09	— 9.2	+ 1.8	1.54	+ 0.88	nw.
Minnedosa, Man	28.10	30.11	— .05	— 8.8	+ 2.7	0.77	+ 0.14	nw.
Qu'Appelle, Assin	27.62	30.13	— .03	—10.2	— 2.2	0.88	+ 0.50	nw.
Medicine Hat, Assin	27.62	30.15	— .03	— 1.3	— 2.8	0.88	+ 0.55	w.
Swift Current, Assin	27.31	30.15	— .03	— 3.9	— 1.9	1.29	+ 0.68	w.
Calgary, Alberta	26.25	30.07	— .11	2.1	— 1.4	0.96	+ 0.39	nw.
Prince Albert, Sask	28.46	30.15	.....	—11.6	.....	1.72	.....	nw.
Edmonton, Alberta	27.60	30.16	+ .04	— 1.8	— 3.0	0.83	+ 0.10	nw.
Battleford, Sask	28.22	30.16	.....	—11.2	.....	0.23	.....	nw.
Spences Bridge, B. C	29.12	30.00	.....	22.4	.....	1.79	.....	e.
Hamilton, Bermuda	30.00	30.16	+ .03	63.3	.....	3.35	.....	s.
Esquimault, B. C	29.82	29.85	.....	37.4	.....	6.85	.....	n.
Banff, Alberta	25.14	30.07	.....	8.1	.....	1.07	.....	w.

TABLE IV.—*Mean temperature for each hour of seventy-fifth meridian time, January*, 1895.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.
Abilene, Tex	38.3	37.6	37.2	36.2	35.5	34.6	34.3	33.9	33.7	35.1	38.6	41.7	44.7	47.0	48.4	50.0	51.0	50.6	48.7	45.8	43.1	41.0	40.1	39.0	41.1
Albany, N. Y	20.8	19.9	19.6	19.2	19.0	18.7	18.5	19.7	20.9	23.8	25.1	26.5	28.0	28.5	28.8	28.3	27.0	25.7	24.6	23.7	23.0	22.4	22.0	21.2	23.1
Alpena, Mich	15.9	15.6	15.2	15.1	15.2	15.1	14.9	14.5	15.1	16.4	18.4	19.8	20.8	21.5	22.2	22.2	21.8	21.2	20.6	19.3	18.7	18.1	17.2	16.7	18.0
Amarillo, Tex	28.7	28.4	27.3	26.6	26.5	26.1	25.3	25.4	24.5	26.2	30.0	33.4	36.4	39.6	41.8	43.2	43.7	42.4	39.1	36.4	34.0	32.0	30.5	28.8	32.3
Atlanta, Ga	38.8	38.3	38.1	37.6	37.2	37.1	36.8	36.7	36.9	37.3	39.0	41.0	42.0	43.3	44.4	45.0	45.0	44.5	43.4	42.5	41.7	41.0	40.4	39.9	40.3
Augusta, Ga	42.7	41.8	41.1	40.7	40.3	40.1	40.1	40.2	41.0	42.7	45.1	47.7	49.5	50.4	51.9	52.2	51.5	50.1	48.9	47.7	46.4	45.8	45.1	44.2	45.3
Baker City, Oreg	24.6	24.1	23.5	23.2	23.1	22.5	22.6	21.7	21.5	20.8	21.4	23.7	26.1	28.7	30.0	30.4	30.5	30.5	29.1	27.5	26.2	25.8	25.5	25.0	25.3
Baltimore, Md	30.0	29.4	29.1	28.8	28.9	28.8	28.6	28.5	29.0	30.0	31.3	32.6	33.5	34.1	34.3	34.3	33.9	33.3	32.8	32.1	31.8	31.3	31.1	30.8	31.2
Bismarck, N Dak	—2.8	—3.6	—4.6	—5.2	—5.9	—6.5	—6.6	—6.4	—6.7	—5.7	—3.5	—0.5	2.0	3.9	5.5	6.5	6.8	5.6	3.1	1.9	0.4	—0.5	—1.5	—2.5	—1.1
Boston, Mass	26.0	25.8	25.6	25.4	25.1	24.8	25.1	26.2	26.9	28.4	29.9	32.0	33.1	33.9	33.9	33.1	32.3	31.3	30.2	29.3	28.5	27.8	27.3	26.5	28.7
Buffalo, N. Y	23.5	23.4	23.4	23.2	23.3	23.9	22.4	22.6	22.9	22.8	23.6	24.1	24.5	24.6	25.1	25.4	25.1	24.7	24.5	23.9	23.8	23.8	23.5	23.5	23.8
Charleston, S. C	46.9	46.7	46.5	46.8	46.0	45.2	44.8	44.7	45.8	47.5	49.5	51.3	52.6	53.6	53.8	53.7	52.5	50.5	49.6	49.1	48.9	48.5	48.2	47.6	48.7
Charlotte, N. C	36.5	36.0	35.5	35.0	34.6	34.5	34.1	34.3	35.2	36.8	38.6	40.6	41.9	43.1	43.8	44.3	43.9	42.5	41.5	40.5	39.5	38.8	38.0	37.4	38.6
Cheyenne, Wyo	21.9	21.7	21.6	21.5	21.9	21.5	21.5	21.4	21.6	21.9	24.3	27.4	29.1	30.0	30.9	31.8	30.5	29.8	27.3	25.5	24.0	23.3	22.7	21.9	24.8
Chicago, Ill	17.7	17.3	17.2	16.8	16.2	15.8	15.6	15.6	15.3	15.7	16.5	17.7	18.8	19.4	20.3	21.3	21.6	21.0	20.5	20.1	19.5	19.1	18.7	18.2	18.2
Cincinnati, Ohio	25.9	25.4	25.0	24.5	24.0	23.5	23.4	23.6	23.9	24.8	26.0	27.2	28.1	28.9	29.5	29.9	30.1	29.9	29.7	29.3	28.9	28.2	27.4	26.8	26.8
Cleveland, Ohio	22.0	21.6	21.3	20.8	20.5	20.3	19.9	20.0	20.2	20.6	21.4	22.4	23.4	24.3	24.8	25.2	25.0	24.4	23.9	23.7	23.4	23.1	22.7	22.5	22.4
Columbus, Ohio	23.6	22.9	22.3	21.6	21.2	21.0	20.8	20.8	21.4	22.4	24.0	25.4	26.5	27.8	28.3	28.4	28.2	27.4	27.1	26.6	26.3	25.5	24.8	24.3	24.5
Denver, Colo	26.8	26.3	25.6	24.5	24.3	24.4	24.3	24.0	23.6	23.9	25.7	29.6	32.4	34.1	35.2	35.5	35.6	34.5	32.3	30.7	29.4	27.8	27.1	26.8	28.5
Des Moines, Iowa	15.2	14.4	13.8	13.2	12.6	12.2	11.8	11.6	11.0	12.2	14.4	16.6	19.2	21.3	23.0	23.7	24.0	23.0	21.6	20.2	18.9	17.9	16.9	15.5	16.8
Detroit, Mich	18.8	18.5	18.4	18.2	17.7	17.4	17.4	17.5	17.7	18.7	20.5	22.2	22.9	23.5	24.0	23.0	22.4	21.7	21.3	20.8	20.2	19.8	19.1	18.8	20.0
Dodge City, Kans	23.8	23.8	23.3	22.9	21.9	21.5	20.7	19.9	19.5	20.7	23.9	27.5	29.3	30.9	32.5	33.9	34.2	33.4	31.4	29.0	27.1	25.9	25.1	24.2	26.1
Duluth, Minn	8.2	7.8	7.3	6.8	6.1	5.6	4.7	4.0	3.7	4.3	5.9	7.6	9.4	10.7	11.9	12.7	12.6	11.8	10.8	10.0	9.2	8.7	8.1	7.6	8.2
Eastport, Me	23.4	22.8	22.3	21.8	21.4	21.2	21.3	21.5	22.3	23.2	24.3	25.4	26.1	26.8	27.2	27.3	27.1	27.0	26.6	26.5	25.9	25.2	24.8	24.0	24.4
El Paso, Tex	43.4	42.6	41.3	40.3	39.3	38.0	37.1	36.6	36.1	36.3	38.5	42.2	46.1	49.2	51.4	53.1	54.4	54.7	54.1	50.5	48.5	46.6	45.1	43.7	44.6
Fort Smith, Ark	32.9	32.0	31.6	31.1	30.2	29.7	29.0	29.4	29.5	30.5	32.9	35.6	38.3	40.2	41.2	42.0	41.9	40.9	39.3	38.4	36.9	36.0	34.8	33.9	34.9
Galveston, Tex	52.4	52.2	52.2	52.1	52.1	51.6	51.2	50.7	50.7	51.5	52.7	53.7	54.6	55.2	55.5	55.6	55.5	55.2	54.7	54.5	54.4	53.7	53.4	52.8	53.3
Grand Haven, Mich	19.1	18.9	18.8	18.9	18.4	18.2	18.0	18.1	18.3	19.0	20.1	21.0	21.5	22.4	22.8	22.9	22.7	22.1	21.6	21.1	20.7	20.2	19.8	19.3	20.2
Havre, Mont	0.7	—0.4	—0.7	—1.0	—1.1	—1.5	—1.4	—1.0	—1.6	—1.9	—0.5	1.6	4.1	5.1	6.1	6.9	7.3	6.9	5.5	4.0	2.8	1.8	1.0	0.3	1.8
Helena, Mont	17.0	16.3	16.0	15.4	15.4	15.0	14.9	14.6	14.6	14.5	15.3	16.0	16.8	17.9	19.2	20.1	20.5	20.4	19.5	18.8	18.7	18.4	17.6	17.5	17.1
Huron, S. Dak	3.4	2.4	1.9	1.4	1.1	0.8	0.6	—0.1	0.3	1.0	3.1	6.0	8.0	9.6	10.9	11.4	11.2	10.3	8.6	7.2	5.7	4.8	3.7	2.9	4.8
Independence, Cal	34.8	34.5	33.9	33.6	33.2	33.6	33.6	33.5	33.1	33.3	33.3	36.2	38.3	40.6	42.7	44.5	45.2	45.1	43.5	40.7	38.8	37.6	37.4	36.4	37.4
Indianapolis, Ind	21.7	21.1	20.6	20.3	20.3	20.8	20.2	20.3	20.9	21.9	23.8	25.1	26.1	27.3	28.0	28.5	27.9	27.1	26.3	25.5	24.5	23.9	23.5	22.8	23.7
Jacksonville, Fla	52.0	51.5	51.4	50.9	50.7	50.3	50.3	50.4	51.6	53.7	56.2	58.1	59.9	60.9	61.5	61.3	60.1	58.0	56.9	56.1	55.0	54.3	53.7	53.1	54.9
Kansas City, Mo	23.6	22.6	21.4	20.7	20.1	19.5	19.0	19.0	18.6	19.1	21.0	23.7	26.2	28.1	29.6	30.6	30.7	30.1	28.8	27.7	26.4	25.4	24.5	23.8	24.2
Key West, Fla	67.3	67.4	67.4	67.2	67.1	66.9	66.9	67.7	68.8	69.9	71.3	72.0	72.2	71.9	72.0	71.6	70.6	69.2	68.7	68.5	68.4	68.1	68.0	67.8	69.0
Knoxville, Tenn	35.0	34.8	34.4	33.8	33.1	32.6	31.5	31.4	31.9	33.1	34.3	36.0	37.2	38.1	38.6	39.1	39.3	38.8	38.2	37.6	37.3	36.7	36.3	35.8	35.6
Lander, Wyo	13.6	12.4	11.6	10.7	10.5	9.6	8.9	8.0	8.1	8.2	11.5	18.6	23.9	27.0	28.0	28.9	28.9	27.6	24.8	21.0	19.2	16.9	15.4	14.3	17.0
Little Rock, Ark	35.2	34.6	34.5	33.9	33.5	32.9	32.6	32.5	32.8	33.7	35.8	37.9	39.1	40.5	41.9	42.6	42.7	42.1	41.0	40.4	39.2	38.2	37.2	36.2	37.1
Louisville, Ky	28.5	28.2	27.5	27.0	26.6	26.3	26.1	26.3	26.5	27.1	28.6	30.2	31.6	32.6	33.3	33.8	33.5	33.1	32.3	32.1	31.5	31.1	30.3	29.4	29.7
Lynchburg, Va	31.9	31.3	31.1	30.9	30.4	30.3	30.1	30.5	31.4	32.9	34.7	36.3	37.6	38.7	39.5	39.9	39.1	37.9	36.8	35.6	34.6	33.6	32.9	32.2	34.2
Marquette, Mich	13.9	13.4	13.3	13.1	12.6	12.3	12.2	12.2	12.1	12.7	14.0	15.7	17.3	18.5	19.1	19.2	18.8	17.3	16.2	15.0	14.4	14.0	13.7	13.4	14.8
Memphis, Tenn	36.6	36.1	35.5	35.2	34.8	34.6	34.4	33.9	34.1	35.0	36.4	38.4	39.8	40.8	41.4	41.8	41.9	41.5	40.7	39.8	39.3	38.8	38.1	37.4	37.8
Milwaukee, Wis	14.4	14.0	13.8	13.4	13.1	12.8	12.8	12.5	12.6	14.2	16.0	17.5	18.4	19.5	20.0	20.1	19.5	18.5	18.0	17.4	16.7	15.8	15.2	14.4	15.9
Montgomery, Ala	44.1	43.4	42.7	42.5	41.9	41.4	41.1	41.2	42.1	43.6	45.5	47.5	49.1	50.4	51.3	51.5	51.8	50.8	49.5	48.7	47.3	46.5	45.7	45.0	46.0
Moorhead, Minn	—2.3	—2.8	—3.3	—4.1	—4.5	—4.8	—5.4	—5.8	—6.5	—6.5	—4.5	—2.0	0.5	2.1	3.3	4.2	4.5	3.5	2.1	1.0	0.0	—1.2	—2.0	—2.7	—1.6
Nantucket, Mass	31.2	31.3	30.9	30.8	30.9	30.7	30.8	31.4	32.1	32.7	33.3	33.8	33.8	33.8	33.6	33.3	32.6	32.4	32.2	32.1	31.7	31.2	31.2	31.3	32.0
Nashville, Tenn	33.9	33.2	32.6	32.1	31.3	31.2	31.1	31.1	31.4	32.4	33.9	35.4	36.9	38.0	38.9	39.3	39.4	38.7	38.1	37.6	36.8	36.3	35.6	35.0	35.0
New Haven, Conn	25.1	24.7	24.7	24.7	24.5	24.2	24.2	24.7	25.3	26.9	28.5	29.5	30.3	30.8	31.0	30.6	29.6	28.8	28.0	27.2	26.6	26.3	25.8	25.4	27.0
New Orleans, La	49.9	49.6	49.2	48.9	48.5	48.5	48.6	48.5	48.4	49.7	52.4	54.5	55.6	56.2	56.1	56.7	56.6	55.9	54.5	53.2	52.3	51.6	51.0	50.5	52.0
New York, N. Y	27.8	27.8	27.8	27.6	27.6	27.8	28.3	28.3	28.9	29.8	30.9	31.6	32.0	32.1	31.1	31.8	31.2	30.4	30.1	29.4	29.0	28.9	28.6	28.5	29.5
Norfolk, Va	37.9	37.7	37.4	37.2	37.1	37.0	36.8	37.0	38.0	39.4	41.2	42.2	43.1	43.4	43.4	43.5	42.6	41.0	40.5	40.3	39.5	39.0	38.6	38.4	39.7
North Platte, Nebr	16.6	16.0	16.3	15.7	15.4	14.5	14.1	13.5	12.9	13.5	17.0	20.9	24.6	27.2	29.0	30.1	30.3	29.1	25.4	22.8	20.9	19.4	18.0	16.8	20.0
Omaha, Nebr	16.5	15.7	15.0	14.4	14.1	13.4	13.0	12.5	12.5	13.3	15.3	17.3	19.6	21.4	23.3	24.1	24.3	23.7	22.4	21.4	19.6	18.5	17.8	16.6	17.7
Parkersburg, W. Va	27.9	27.5	27.1	26.6	26.4	26.3	26.3	26.0	26.1	27.5	28.8	30.1	31.3	32.4	33.2	33.2	32.9	32.3	31.2	30.6	29.6	29.3	28.8	28.3	29.2
Philadelphia, Pa	29.3	29.2	28.9	28.9	28.7	28.4	28.3	28.8	29.5	30.1	31.4	32.3	32.9	33.3	33.4	33.3	32.7	31.9	31.3	31.0	30.5	30.2	29.9	29.6	30.6
Pittsburg, Pa	26.6	26.5	26.3	25.9	25.5	25.5	25.7	25.7	25.8	26.3	27.9	29.0	30.1	30.9	30.9	30.7	30.3	30.0	29.3	28.8	28.3	27.9	27.4	27.0	27.8
Portland, Oreg.*	37.5	37.2	36.6	36.8	36.5	36.2	35.8	35.8	35.6	35.5	35.5	35.8	36.5	37.2	38.0	38.9	38.9	39.2	39.0	38.8	38.4	38.4	38.1	38.0	37.3
Rapid City, S. Dak	14.7	14.1	13.2	12.5	11.7	11.5	11.7	12.4	12.2	13.4	15.4	18.4	21.0	22.0	22.9	23.4	23.0	21.5	19.8	18.9	17.5	17.0	16.2	14.8	16.6
Red Bluff, Cal	42.5	41.9	41.1	40.8	40.6	40.2	40.1	39.7	39.4	39.2	39.5	41.0	42.5	44.3	45.7	46.8	47.5	48.0	47.9	47.2	45.7	44.8	43.9	43.4	43.1
Rochester, N. Y	22.2	22.2	22.2	22.3	22.4	22.4	22.4	22.6	22.8	23.6	23.9	24.9	25.4	25.5	25.8	25.6	25.3	24.5	24.0	23.5	23.1	22.8	22.6	22.2	23.5
Roseburg, Oreg	38.1	37.7	37.3	37.4	36.8	36.5	36.4	36.1	35.9	35.9	35.7	36.1	37.9	39.5	41.2	42.8	44.1	44.5	44.3	43.7	41.6	40.5	39.5	38.5	39.1
St. Louis, Mo	25.6	25.3	24.6	24.0	23.9	23.4	22.7	22.1	22.0	22.6	24.0	26.0	27.6	29.4	30.5	31.0	30.8	30.2	28.9	28.0	27.5	26.9	26.4	26.0	26.2
St. Paul, Minn	6.2	6.0	5.4	4.9	4.2	3.8	3.2	3.0	2.5	2.2	3.2	4.8	6.7	8.5	9.7	10.5	10.7	10.4	9.6	8.7	7.8	7.0	6.5	6.0	6.3
Salt Lake City, Utah	27.2	26.8	26.5	26.4	26.3	26.3	25.7	26.3	25.7	25.8	26.3	28.1	30.1	31.6	32.3	32.7	33.3	33.2	31.8	30.0	29.5	28.6	27.8	27.5	28.6
San Diego, Cal	50.8	50.5	49.9	49.5	49.2	48.7	48.7	48.3	48.3	47.9	49.0	52.1	55.3	56.6	57.4	57.9	58.4	58.5	57.5	56.5	54.7	53.6	52.5	51.7	52.6
San Francisco, Cal	48.2	47.7	47.3	47.2	46.8	46.4	46.0	45.9	45.5	46.0	46.5	47.7	48.2	49.0	49.9	50.6	51.3	51.5	51.2	50.8	50.1	49.8	49.2	48.6	48.4
Santa Fe, N. Mex	25.5	25.0	24.5	23.8	23.5	23.1	23.4	23.1	22.6	23.2	27.0	29.2	31.4	32.3	33.3	33.6	34.5	34.0	32.5	29.7	28.0	26.7	26.2	25.8	27.6
Sault Ste. Marie, Mich	12.3	11.8	11.3	10.6	10.1	9.6	9.3	8.8	9.0	10.0	11.5	13.5	14.9	15.7	16.3	16.5	16.5	16.3	15.6	15.1	14.5	13.9	13.4	12.7	12.9
Savannah, Ga	47.3	47.2	46.9	46.7	46.1	45.6	45.1	44.8	46.2	48.6	51.1	52.9	54.3	55.6	56.3	56.0	54.9	52.8	51.4	50.9	50.3	49.7	49.0	48.3	49.9
Seattle, Wash	38.7	38.7	38.4	38.3	37.9	37.7	37.4	37.6	37.3	37.2	37.0	37.3	38.0	38.6	40.0	40.8	41.5	41.5	41.4	40.8	40.2	39.8	39.4	39.1	38.9
Shreveport, La	43.2	42.8	42.4	41.9	41.5	40.8	40.4	40.5	40.5	41.4	43.2	44.7	46.2	47.8	48.8	49.7	49.8	49.4	48.2	47.0	46.1	45.6	44.7	44.2	44.6
Spokane, Wash	26.6	26.4	25.8	25.5	25.3	24.9	24.7	24.8	24.5	24.4	24.6	25.5	26.9	28.8	29.6	30.9	31.4	31.5	31.0	30.3	29.3	28.5	27.5	27.2	27.3
Titusville, Fla	56.6	56.1	55.6	55.4	55.3	55.2	54.9	55.5	59.0	61.9	64.4	65.6	66.0	67.3	67.3	66.9	65.6	63.7	62.0	61.0	60.1	59.8	58.8	58.1	60.5
Toledo, Ohio	20.0	19.5	19.3	18.8	18.3	17.8	17.6	17.3	17.4	18.5	20.2	21.6	22.5	23.1	23.1	23.3	23.1	22.5	22.1	21.6	21.3	21.0	20.8	20.2	20.5
Tucson, Ariz	46.7	45.6	44.6	44.0	43.3	42.5	41.9	41.2	41.1	41.7	44.5	50.3	54.5	57.2	59.2	60.5	60.9	60.5	58.7	55.1	52.5	50.7	49.0	47.3	49.7
Vicksburg, Miss	45.1	44.5	44.3	43.7	43.0	42.5	42.5	42.0	42.3	43.5	44.5	45.9	47.9	49.1	50.4	51.5	51.7	50.8	49.4	48.6	47.7	46.8	46.1	45.8	46.2
Washington, D. C	30.3	29.7	29.2	28.8	28.5	28.1	28.0	28.5	29.7	31.3	32.6	33.8	34.7	35.4	36.0	35.8	35.4	34.5	33.8	33.1	32.5	32.3	31.6	31.0	31.9
Williston, N. Dak	—3.2	—3.8	—3.6	—3.6	—3.8	—3.6	—4.2	—4.5	—4.5	—4.2	—2.9	0.2	2.2	4.0	5.4	5.8	6.0	4.2	1.7	—0.1	—1.0	—1.9	—2.7	—3.4	—0.9
Wilmington, N. C	43.6	43.1	42.7	42.7	42.5	42.2	41.8	41.8	42.8	44.1	45.6	47.1	48.7	49.6	49.9	49.9	48.8	47.8	46.6	45.8	45.5	44.5	44.5	44.4	45.3
Winnemucca, Nev	23.7	23.2	22.4	21.6	21.5	20.2	19.6	19.5	19.0	18.5	18.6	20.5	23.6	26.5	28.9	30.5	31.5	31.7	31.3	29.9	27.7	26.3	25.3	24.5	24.4
Yuma, Ariz	51.0	50.3	49.4	48.1	47.9	47.5	47.5	47.4	46.8	46.9	50.2	54.4	57.4	59.7	61.4	62.7	63.3	63.3	62.7	59.9	56.9	54.7	52.9	51.8	53.9

* Record for 29 days.

TABLE V.—*Mean pressure for each hour of seventy-fifth meridian time, January*, 1895.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.
Abilene, Tex	28.236	.232	.233	.238	.240	.242	.244	.251	.260	.266	.272	.274	.253	.222	.198	.186	.178	.178	.181	.183	.198	.205	.224	.224	.226
Albany, N. Y	29.945	.953	.956	.951	.943	.945	.952	.959	.968	.968	.952	.932	.913	.910	.917	.923	.930	.941	.949	.955	.958	.957	.953	.948	.945
Alpena, Mich	29.223	.227	.235	.235	.231	.232	.240	.246	.253	.258	.254	.235	.217	.203	.206	.210	.217	.222	.225	.225	.238	.235	.233	.228	.230
Atlanta, Ga	28.871	.871	.874	.875	.872	.874	.883	.895	.909	.922	.929	.914	.888	.863	.854	.859	.861	.861	.868	.873	.875	.878	.877	.872	.880
Augusta, Ga	29.896	.903	.907	.906	.905	.909	.916	.927	.938	.946	.939	.921	.895	.879	.872	.875	.880	.883	.892	.900	.901	.905	.902	.899	.904
Baltimore, Md	29.846	.853	.853	.847	.846	.849	.860	.873	.883	.887	.876	.854	.837	.832	.835	.841	.848	.855	.865	.865	.868	.869	.862	.855	.857
Bismarck, N. Dak	28.198	.196	.200	.205	.205	.201	.198	.198	.205	.214	.216	.215	.202	.181	.166	.163	.166	.174	.182	.187	.189	.188	.192	.197	.198
Boston, Mass	29.881	.892	.891	.886	.882	.888	.894	.902	.908	.902	.882	.860	.842	.844	.849	.854	.864	.874	.885	.884	.891	.893	.887	.887	.880
Buffalo, N. Y	29.191	.195	.205	.198	.188	.189	.199	.211	.220	.228	.225	.212	.194	.188	.191	.197	.198	.204	.209	.214	.213	.212	.206	.197	.204
Charleston, N. C	30.068	.068	.068	.064	.065	.070	.081	.096	.113	.124	.125	.094	.074	.056	.047	.047	.050	.059	.066	.071	.075	.078	.078	.074	.076
Chicago, Ill	29.085	.084	.096	.097	.091	.087	.095	.102	.114	.120	.125	.114	.087	.074	.070	.075	.082	.085	.091	.096	.101	.100	.100	.098	.095
Cincinnati, Ohio	29.359	.361	.369	.369	.365	.369	.377	.389	.403	.411	.405	.385	.360	.349	.350	.350	.351	.355	.361	.366	.366	.364	.363	.361	.369
Cleveland, Ohio	29.169	.177	.185	.185	.183	.183	.186	.191	.198	.206	.202	.187	.169	.157	.158	.163	.169	.180	.183	.183	.175	.170	.166	.167	.179
Columbus, Ohio	29.143	.144	.150	.151	.148	.148	.159	.165	.175	.182	.182	.163	.142	.126	.131	.133	.140	.142	.147	.148	.149	.149	.145	.143	.150
Denver, Colo	24.623	.612	.607	.611	.613	.608	.603	.603	.611	.619	.633	.639	.636	.614	.594	.589	.591	.596	.605	.611	.619	.621	.621	.623	.613
Des Moines, Iowa	29.124	.125	.131	.134	.132	.125	.125	.130	.137	.149	.156	.154	.134	.112	.103	.105	.111	.113	.115	.124	.128	.130	.129	.130	.127
Detroit, Mich	29.158	.162	.170	.167	.167	.169	.175	.185	.194	.201	.200	.183	.161	.146	.145	.156	.162	.167	.171	.172	.171	.167	.164	.160	.170
Dodge City, Kans	27.369	.363	.365	.372	.370	.367	.362	.370	.381	.398	.406	.410	.395	.365	.346	.339	.340	.343	.347	.355	.364	.372	.378	.375	.369
Duluth, Minn	29.207	.210	.217	.222	.222	.218	.221	.226	.232	.231	.229	.223	.202	.188	.186	.193	.198	.204	.211	.217	.220	.216	.215	.215	.213
Eastport, Me	29.862	.870	.875	.874	.877	.888	.905	.921	.927	.923	.903	.883	.866	.862	.861	.859	.862	.863	.868	.868	.869	.866	.865	.860	.878
El Paso, Tex	26.204	.199	.196	.199	.200	.195	.192	.197	.207	.221	.230	.237	.222	.186	.159	.143	.138	.140	.144	.155	.169	.183	.193	.198	.188
Galveston, Tex	30.053	.046	.044	.043	.038	.039	.048	.061	.076	.092	.102	.095	.070	.042	.025	.016	.015	.017	.021	.031	.040	.047	.054	.049	.049
Grand Haven, Mich	29.240	.242	.251	.257	.256	.245	.250	.260	.266	.270	.271	.264	.240	.225	.224	.228	.233	.240	.242	.244	.247	.243	.243	.241	.247
Havre, Mont	27.316	.312	.309	.305	.306	.299	.289	.287	.307	.324	.339	.342	.337	.322	.307	.301	.300	.299	.295	.298	.297	.304	.305	.309	.309
Helena, Mont	25.688	.690	.689	.694	.705	.705	.705	.702	.709	.715	.723	.731	.727	.715	.696	.686	.686	.686	.688	.687	.689	.687	.687	.688	.699
Huron, S. Dak	28.627	.628	.629	.641	.642	.639	.636	.637	.633	.641	.650	.652	.634	.618	.605	.606	.610	.614	.617	.624	.623	.623	.625	.630	.628
Independence, Cal	25.988	.987	.978	.978	.983	.976	.967	.961	.967	.980	.991	.007	.019	.009	.978	.958	.946	.950	.948	.954	.959	.968	.976	.981	.975
Indianapolis, Ind	29.184	.185	.191	.193	.191	.191	.199	.211	.224	.232	.229	.222	.202	.186	.180	.178	.178	.181	.188	.189	.190	.191	.191	.187	.195
Jacksonville, Fla	30.049	.050	.050	.050	.049	.056	.073	.088	.103	.112	.100	.080	.043	.020	.023	.022	.030	.037	.049	.058	.064	.065	.060	.052	.058
Kansas City, Mo	29.050	.047	.049	.051	.052	.045	.045	.052	.061	.081	.089	.089	.065	.041	.024	.027	.030	.033	.038	.049	.055	.057	.056	.056	.052
Key West, Fla	30.098	.092	.084	.081	.079	.082	.093	.114	.133	.141	.137	.120	.093	.073	.065	.064	.069	.075	.085	.096	.104	.107	.107	.100	.096
Knoxville, Tenn	29.026	.022	.027	.029	.025	.023	.025	.035	.051	.066	.067	.056	.030	.010	.008	.004	.007	.012	.016	.022	.028	.032	.031	.026	.028
Little Rock, Ark	29.772	.766	.770	.772	.769	.764	.765	.777	.788	.802	.810	.800	.769	.745	.736	.734	.735	.741	.747	.755	.763	.769	.773	.771	.766
Louisville, Ky	29.478	.476	.484	.487	.485	.485	.496	.505	.521	.528	.526	.511	.485	.465	.460	.462	.464	.467	.475	.475	.478	.480	.482	.481	.486
Lynchburg, Va	29.314	.319	.323	.320	.317	.322	.330	.334	.345	.351	.342	.319	.298	.286	.288	.291	.296	.307	.317	.325	.326	.324	.323	.316	.318
Marquette, Mich	29.097	.100	.107	.107	.098	.094	.096	.099	.101	.102	.103	.096	.080	.068	.071	.080	.090	.093	.100	.105	.110	.111	.106	.105	.097
Memphis, Tenn	29.753	.754	.756	.755	.751	.751	.757	.766	.776	.785	.789	.782	.753	.729	.719	.720	.723	.729	.738	.743	.747	.751	.752	.750	.751
Milwaukee, Wis	29.231	.230	.243	.250	.245	.240	.245	.252	.258	.266	.268	.257	.237	.226	.223	.228	.231	.234	.233	.238	.237	.236	.233	.230	.240
Moorhead, Minn	29.009	.009	.012	.020	.021	.015	.015	.015	.017	.025	.033	.036	.024	.005	.998	.001	.008	.008	.008	.012	.009	.006	.010	.011	.014
Nantucket, Mass	30.009	.016	.023	.019	.015	.015	.022	.033	.033	.030	.013	.986	.974	.971	.972	.974	.977	.987	.997	.012	.014	.016	.018	.017	.006
Nashville, Tenn	29.477	.481	.489	.490	.492	.494	.503	.511	.517	.524	.524	.505	.472	.456	.448	.448	.455	.460	.468	.478	.480	.490	.479	.476	.484
New Haven, Conn	29.916	.923	.923	.915	.909	.914	.921	.933	.936	.934	.919	.895	.878	.876	.882	.886	.896	.907	.919	.927	.933	.932	.930	.925	.914
New Orleans, La	30.033	.030	.027	.023	.016	.015	.021	.033	.052	.066	.066	.051	.029	.008	.997	.996	.001	.006	.015	.028	.037	.042	.039	.032	.028
New York, N. Y	29.848	.850	.847	.838	.833	.839	.847	.857	.865	.867	.853	.833	.819	.817	.822	.830	.839	.848	.859	.867	.870	.867	.863	.857	.847
Norfolk, Va	30.003	.007	.008	.004	.000	.007	.022	.036	.047	.052	.041	.015	.993	.983	.983	.985	.995	.000	.010	.016	.023	.023	.021	.009	.012
Omaha, Nebr	28.868	.870	.875	.879	.878	.875	.874	.883	.891	.898	.905	.902	.886	.861	.848	.849	.853	.854	.862	.871	.873	.875	.877	.878	.874
Parkersburg, W.Va	29.358	.360	.368	.371	.365	.364	.373	.385	.400	.409	.409	.392	.363	.353	.349	.350	.351	.355	.363	.366	.365	.368	.365	.359	.369
Philadelphia, Pa	29.926	.926	.928	.923	.918	.924	.933	.947	.959	.962	.948	.926	.911	.910	.915	.919	.930	.939	.947	.952	.955	.951	.945	.936	.935
Pittsburg, Pa	29.105	.107	.115	.116	.115	.114	.121	.126	.129	.133	.126	.118	.095	.081	.080	.087	.091	.098	.108	.116	.118	.117	.112	.108	.110
Portland, Oreg	29.753	.755	.752	.751	.762	.766	.765	.758	.758	.758	.769	.779	.786	.778	.768	.758	.756	.755	.750	.747	.748	.749	.749	.749	.759
Rochester, N. Y	29.387	.390	.395	.394	.389	.386	.393	.393	.404	.407	.407	.392	.384	.381	.382	.388	.392	.399	.401	.398	.397	.395	.394	.387	.394
Roseburg, Oreg	29.315	.324	.328	.328	.333	.336	.335	.327	.321	.318	.321	.331	.340	.339	.330	.317	.306	.299	.296	.290	.293	.297	.300	.309	.318
St. Louis, Mo	29.471	.472	.479	.480	.474	.469	.472	.484	.497	.509	.504	.491	.466	.443	.438	.444	.447	.452	.464	.472	.475	.477	.478	.474	.472
St. Paul, Minn	29.102	.099	.102	.110	.109	.104	.100	.107	.111	.124	.131	.133	.115	.097	.088	.093	.096	.104	.107	.115	.117	.116	.113	.113	.109
Salt Lake City, Utah	25.606	.605	.599	.599	.606	.600	.591	.589	.592	.600	.607	.617	.616	.603	.578	.573	.578	.581	.587	.588	.594	.602	.604	.604	.597
San Diego, Cal	29.948	.948	.943	.942	.941	.935	.930	.927	.934	.942	.960	.973	.981	.968	.944	.927	.919	.918	.921	.923	.928	.935	.943	.944	.941
San Francisco, Cal	29.862	.863	.859	.859	.861	.860	.851	.845	.845	.854	.864	.879	.887	.877	.854	.836	.827	.827	.825	.825	.828	.833	.840	.851	.850
Santa Fe, N. Mex	23.180	.177	.175	.176	.178	.173	.166	.165	.166	.172	.179	.190	.184	.167	.149	.140	.139	.144	.146	.155	.160	.165	.171	.174	.166
S'lt Ste. Marie, Mich	29.138	.140	.150	.155	.156	.157	.168	.179	.189	.194	.193	.178	.149	.138	.133	.133	.135	.142	.151	.152	.153	.152	.150	.146	.155
Savannah, Ga	29.995	.997	.000	.001	.998	.006	.019	.036	.049	.058	.053	.031	.002	.983	.973	.972	.974	.980	.991	.997	.002	.005	.002	.996	.005
Seattle, Wash	29.736	.733	.732	.735	.745	.745	.743	.742	.741	.745	.752	.757	.757	.751	.744	.739	.736	.737	.736	.733	.732	.731	.731	.733	.740
Spokane, Wash	27.890	.891	.886	.886	.894	.891	.883	.878	.877	.881	.890	.899	.899	.892	.876	.871	.870	.877	.880	.881	.879	.880	.881	.884	.884
Toledo, Ohio	29.237	.239	.245	.246	.244	.245	.252	.262	.278	.285	.284	.268	.248	.237	.243	.248	.251	.255	.258	.257	.254	.251	.247	.239	.253
Vicksburg, Miss	29.809	.806	.807	.807	.799	.794	.803	.817	.831	.842	.849	.832	.808	.786	.778	.778	.780	.784	.790	.797	.802	.808	.808	.807	.805
Washington, D. C	29.937	.940	.943	.940	.937	.940	.949	.963	.977	.986	.980	.961	.941	.931	.932	.937	.941	.946	.956	.957	.959	.960	.952	.944	.950
Wilmington, N. C	30.001	.003	.003	.000	.003	.015	.031	.040	.050	.056	.040	.019	.993	.987	.986	.989	.993	.999	.003	.011	.012	.014	.009	.003	.011
Yuma, Ariz	29.881	.879	.876	.878	.876	.874	.871	.870	.882	.891	.909	.919	.918	.899	.870	.853	.845	.845	.845	.849	.858	.865	.872	.876	.875

TABLE VI.—*Average wind movement for each hour of seventy-fifth meridian time, January,* 1895.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.
Abilene, Tex	8.2	8.8	8.5	8.9	9.0	8.8	7.9	7.9	8.0	8.1	9.8	10.3	9.9	10.1	10.5	9.8	9.8	9.7	8.6	7.2	6.3	6.5	7.3	8.1	8.7
Albany, N. Y	6.7	6.8	6.6	6.0	6.3	6.8	6.4	6.3	7.1	7.9	8.9	8.8	9.0	8.7	8.9	8.2	7.9	6.5	6.4	6.3	6.6	6.5	6.7	6.5	7.2
Alpena, Mich	10.3	10.5	10.6	10.7	10.4	10.5	10.5	10.0	10.4	11.1	12.3	12.5	12.8	13.5	12.9	12.7	12.3	11.1	10.9	11.0	10.9	11.0	10.8	10.5	11.3
Amarillo, Tex	16.1	16.2	16.3	15.6	14.6	15.4	15.6	14.5	14.6	14.3	14.7	16.6	18.2	18.5	20.0	19.5	19.1	19.0	17.7	16.8	17.3	17.4	17.0	15.8	16.7
Atlanta, Ga	11.1	11.5	11.3	10.6	10.0	9.8	10.6	10.3	11.5	11.7	12.0	11.5	11.9	12.0	11.4	11.5	11.1	10.0	9.6	10.0	10.0	10.2	10.1	10.6	10.8
Augusta, Ga	4.0	4.4	4.6	4.5	4.5	4.6	4.8	4.5	5.2	5.7	6.3	6.5	7.0	6.5	6.9	7.4	7.0	6.1	5.3	4.4	4.1	3.5	3.8	4.2	5.2
Baker City, Oreg	6.8	6.8	6.1	6.3	6.4	6.9	6.7	5.8	6.0	6.1	6.2	6.3	6.1	5.2	5.7	5.9	6.0	6.0	5.7	5.3	5.2	6.0	6.1	6.8	6.1
Baltimore, Md	6.7	6.7	6.6	6.5	6.4	6.3	6.9	6.3	7.5	8.5	9.6	9.9	10.9	11.2	11.4	10.5	9.5	8.2	7.9	7.7	7.7	7.5	7.1	6.5	8.1
Bismarck, N. Dak	8.0	8.3	8.1	7.7	7.9	7.7	6.7	7.4	7.1	7.4	8.0	9.1	11.1	11.6	12.2	12.5	12.0	10.5	8.8	7.4	7.8	8.7	9.3	8.4	8.9
Block Island, R. I	17.4	18.3	19.0	18.8	18.4	17.5	17.6	18.3	17.4	17.2	17.0	17.2	17.2	17.2	17.7	17.6	17.4	17.7	17.5	17.7	18.7	18.3	17.0	16.2	17.7
Boston, Mass	10.5	10.1	9.8	9.5	9.8	10.3	10.9	11.3	11.5	11.7	12.2	11.4	12.0	12.3	12.7	12.4	11.6	10.9	11.2	10.7	11.2	11.0	11.1	10.6	11.1
Buffalo, N. Y	16.4	15.6	15.5	15.5	15.6	15.0	15.5	15.1	15.4	15.7	16.5	17.1	16.8	16.4	16.9	17.6	16.7	17.1	17.0	16.4	15.7	16.0	16.3	15.9	16.2
Cairo, Ill	10.3	10.6	9.9	10.2	9.5	10.2	9.8	9.9	9.9	10.6	11.1	11.4	11.2	12.5	11.7	12.2	11.9	10.8	9.6	11.0	10.5	10.5	10.4	10.3	10.7
Cape Henry, Va	13.3	13.8	13.9	14.3	14.0	14.3	14.2	14.5	15.1	15.5	14.7	15.1	15.6	15.4	15.5	15.8	14.5	13.1	13.2	13.1	13.8	14.2	12.7	12.9	14.3
Charleston, S. C	6.7	7.2	6.9	7.4	7.2	7.7	7.5	7.5	7.8	8.6	9.0	9.4	9.4	9.5	9.3	9.1	8.6	7.4	7.1	6.8	6.3	7.0	6.8	6.6	7.8
Charlotte, N. C	6.6	6.8	6.2	6.0	6.4	6.6	7.0	7.0	7.3	7.9	8.9	9.3	9.5	10.4	10.0	9.7	8.4	7.3	7.1	7.2	7.4	7.4	7.3	7.2	7.7
Chattanooga, Tenn	7.3	7.3	6.9	7.2	7.1	7.7	8.3	7.4	7.4	8.2	9.1	8.7	9.3	9.2	9.4	10.5	10.6	9.2	8.7	8.5	7.3	7.3	7.3	7.1	8.2
Cheyenne, Wyo	9.3	10.5	10.6	10.6	10.9	11.5	12.2	13.4	14.2	13.6	12.7	14.2	16.2	17.5	17.2	17.8	18.5	17.0	13.8	11.1	11.3	12.1	11.0	10.5	13.2
Chicago, Ill	16.8	16.7	17.1	17.1	17.6	17.2	17.0	16.6	16.8	17.4	17.7	17.7	19.7	18.9	19.2	19.3	20.4	19.6	19.1	19.4	19.3	18.6	17.2	17.1	18.1
Cincinnati, Ohio	8.9	8.6	8.6	8.2	8.5	8.4	8.2	8.2	8.4	9.0	8.8	9.4	10.1	10.0	10.4	9.7	9.4	9.1	9.1	8.7	8.6	8.9	8.5	8.8	8.9
Cleveland, Ohio	14.4	14.3	14.1	13.1	14.0	13.9	14.5	15.0	15.1	15.5	16.3	15.7	16.3	16.3	15.5	15.1	15.2	15.2	14.7	14.7	14.3	14.5	14.4	14.5	14.9
Columbia, Mo	6.8	7.0	6.7	7.1	7.3	7.2	6.8	6.5	6.7	7.4	8.2	8.9	9.2	9.1	9.8	9.5	9.2	7.9	6.7	6.7	6.9	6.9	6.9	7.0	7.6
Columbus, Ohio	7.6	7.7	8.2	8.8	8.8	8.8	8.0	8.3	8.8	8.9	9.3	9.1	9.3	9.3	9.2	9.0	8.2	8.0	7.6	8.1	8.0	7.8	7.8	7.5	8.4
Concordia, Kans	5.9	5.6	5.8	6.3	5.9	6.2	6.1	6.0	6.2	6.5	7.5	8.9	9.5	10.4	11.0	10.8	10.8	8.9	6.8	6.4	6.5	6.1	6.4	6.2	7.4
Corpus Christi, Tex	11.6	11.5	11.5	11.7	11.5	11.0	11.2	10.5	9.6	9.8	10.9	12.2	12.8	13.1	12.8	13.1	14.1	13.2	11.8	11.0	10.5	11.4	12.0	11.5	11.7
Davenport, Iowa	9.0	8.6	8.9	8.5	8.2	8.1	8.9	9.1	9.3	9.5	10.7	11.2	11.9	12.7	13.2	13.4	13.6	12.6	11.1	10.2	10.2	9.8	10.1	9.6	10.3
Denver, Colo	7.8	7.6	7.4	6.4	6.8	7.1	6.8	6.7	7.7	7.6	7.5	7.1	7.8	8.2	8.6	9.4	9.8	10.0	9.2	7.5	7.5	7.0	7.1	8.2	7.8
Des Moines, Iowa	6.7	7.5	7.4	7.3	7.5	7.2	7.1	7.2	7.6	8.0	8.9	9.6	10.2	11.1	11.2	11.4	10.7	10.0	8.7	8.5	8.4	8.0	7.6	7.4	8.5
Detroit, Mich	11.5	11.7	10.8	10.6	11.1	11.5	11.4	11.7	11.7	12.5	13.5	15.4	15.5	15.6	15.7	15.1	14.0	13.3	12.7	12.1	13.0	12.7	12.1	11.8	12.8
Dodge City, Kans	8.7	8.8	8.7	8.9	9.1	8.5	8.3	7.6	8.5	9.2	10.5	12.4	13.3	13.7	13.5	13.5	12.7	11.8	10.6	10.1	9.9	9.5	9.2	9.0	10.2
Duluth, Minn	6.2	6.1	6.0	6.3	6.6	7.5	7.2	7.1	7.5	8.1	8.9	9.1	9.6	9.7	9.6	8.8	8.5	8.0	7.7	8.6	8.3	8.0	7.7	7.5	7.9
Eastport, Me	12.5	12.0	11.5	12.0	12.3	12.5	11.8	12.2	12.5	12.7	13.2	13.5	12.8	12.7	12.6	12.4	12.3	12.7	11.4	11.8	11.8	11.5	11.8	12.2	12.3
El Paso, Tex	11.6	11.2	11.3	10.9	10.4	9.1	8.4	8.7	9.0	9.5	8.8	9.2	11.1	12.7	14.2	15.6	16.5	16.5	14.6	13.1	12.8	12.4	11.2	10.5	11.6
Erie, Pa	13.5	13.3	12.6	13.8	13.7	13.1	13.7	13.1	13.5	13.9	14.0	13.6	14.5	14.5	13.9	13.2	12.1	11.8	12.0	12.3	13.2	13.3	14.3	13.9	13.4
Eureka, Cal	6.0	5.9	5.9	6.3	6.9	7.0	5.9	5.8	6.3	6.8	7.2	7.8	7.5	7.8	8.6	8.8	9.4	9.2	9.5	9.9	8.3	7.9	7.1	5.8	7.4
Fort Canby, Wash	18.9	18.3	19.0	19.5	19.0	19.0	18.6	18.7	19.1	19.5	19.8	18.9	19.4	18.2	17.6	17.5	17.0	16.5	17.0	17.0	17.7	19.3	19.2	20.4	18.5
Fort Smith, Ark	6.9	7.6	7.7	7.2	6.7	6.7	5.4	6.6	6.7	7.5	8.5	8.0	7.9	8.9	9.0	8.6	9.0	8.1	7.5	7.9	7.5	7.5	7.5	7.8	7.7
Fresno, Cal	5.1	5.1	5.1	5.0	5.2	5.2	4.6	4.4	4.7	4.7	4.1	3.4	4.1	4.8	5.5	6.1	6.4	6.2	6.1	5.8	5.5	5.7	5.5	5.1	5.1
Galveston, Tex	13.7	13.5	13.1	12.1	12.0	12.5	13.2	13.5	13.5	13.2	12.9	13.1	13.4	13.5	13.3	13.2	13.4	12.8	12.2	12.6	13.2	14.0	14.5	14.5	13.2
Grand Haven, Mich	12.7	12.2	12.1	11.9	11.6	11.7	11.8	11.4	11.1	11.2	11.8	12.7	13.4	13.7	13.6	13.5	14.2	13.6	13.5	13.3	13.3	13.5	13.1	13.0	12.7
Green Bay, Wis	10.2	9.4	9.5	9.0	9.1	9.2	8.7	8.3	8.0	8.3	9.2	9.8	9.8	10.1	10.5	10.5	10.7	11.0	10.2	10.6	10.3	10.3	10.9	10.6	9.8
Hannibal, Mo	9.1	9.0	9.0	8.0	8.4	8.9	8.6	8.4	8.5	8.5	9.7	10.5	10.9	11.4	11.1	11.5	11.1	9.3	7.6	7.7	8.6	8.6	8.9	9.1	9.3
Harrisburg, Pa	6.4	6.5	6.8	6.3	6.3	6.1	6.3	6.2	6.3	7.0	7.8	9.2	9.8	10.2	9.9	9.5	8.9	7.8	7.9	7.8	7.0	6.7	6.3	6.6	7.5
Hatteras, N. C	15.5	15.7	15.2	15.5	15.2	15.3	15.6	15.2	15.3	15.3	15.9	15.1	15.0	16.0	15.9	15.8	15.5	14.9	14.0	14.2	14.4	14.5	14.9	15.4	15.2
Havre, Mont	7.6	7.8	7.5	8.1	8.1	7.8	7.6	7.3	7.3	7.5	7.3	7.1	8.3	9.3	10.5	10.2	9.2	8.7	7.7	7.7	7.6	7.7	8.0	8.2	8.1
Helena, Mont	4.5	3.7	3.6	3.4	4.4	4.3	4.9	5.0	4.4	4.2	3.7	4.5	6.1	5.9	5.9	6.1	5.4	5.6	4.2	4.4	4.4	4.7	4.3	4.9	4.7
Huron, S. Dak	10.7	11.3	11.7	11.6	12.9	13.5	12.7	12.6	11.9	12.7	13.3	14.7	15.3	15.5	15.3	14.5	13.5	11.9	10.5	10.5	10.4	10.5	10.3	11.2	12.5
Idaho Falls, Idaho	8.4	7.7	8.1	7.9	7.2	6.3	6.8	7.1	7.2	7.4	6.8	7.3	7.1	7.6	8.2	8.1	7.7	7.3	7.6	7.6	8.4	8.1	8.5	8.2	7.6
Independence, Cal	8.0	7.9	8.3	8.1	8.5	8.3	8.3	9.1	9.7	9.3	9.3	9.0	9.2	9.6	9.9	9.9	9.6	8.5	7.8	7.1	8.4	8.0	7.3	8.5	8.6
Indianapolis, Ind	7.7	7.7	7.8	8.0	7.6	7.4	7.1	7.5	7.6	8.1	8.1	7.9	8.1	7.8	8.1	8.0	7.9	7.5	7.2	7.4	7.4	7.5	7.7	7.9	7.7
Jacksonville, Fla	5.9	5.9	6.3	7.1	6.8	6.2	6.4	6.3	6.2	7.3	7.8	8.4	8.6	9.0	9.4	9.2	8.9	8.5	7.5	7.4	6.9	5.8	6.1	6.1	7.3
Jupiter, Fla	7.9	8.3	7.8	8.0	7.6	7.7	7.5	7.8	8.3	10.1	11.1	12.0	12.6	13.3	13.3	12.8	11.3	9.0	8.0	7.5	7.3	7.0	7.0	7.3	9.2
Kansas City, Mo	8.1	7.8	7.8	8.0	7.4	7.4	7.0	7.4	7.8	7.9	8.5	8.9	9.4	9.4	9.6	9.8	9.3	8.7	7.8	8.3	8.6	8.5	8.4	8.2	8.3
Keokuk, Iowa	7.8	7.7	7.8	8.0	7.7	7.8	8.0	8.1	8.0	8.1	8.3	8.7	9.7	10.3	10.6	11.0	10.4	9.1	7.5	7.0	6.9	7.5	7.7	7.7	8.4
Key West, Fla	7.8	8.0	8.2	8.3	8.0	8.0	7.3	7.5	8.1	8.6	9.0	9.2	9.0	8.6	8.5	8.3	8.6	8.6	7.4	7.1	7.8	8.3	8.0	7.5	8.2
Kittyhawk, N. C	15.9	14.5	14.9	14.4	14.5	14.5	14.3	15.4	15.7	16.3	16.4	16.1	17.6	17.5	17.8	17.2	16.4	15.4	15.3	15.5	15.5	15.1	15.2	15.7	15.7
Knoxville, Tenn	5.3	5.5	5.7	5.5	5.5	6.0	6.1	6.0	6.2	7.2	7.6	7.5	7.5	8.2	7.7	8.3	7.4	6.7	5.9	5.5	5.6	5.6	5.0	4.6	6.3
La Crosse, Wis	7.0	6.8	6.4	6.5	6.8	6.7	6.9	6.8	6.5	7.0	7.1	7.9	8.2	9.1	9.1	9.3	9.9	8.0	7.7	8.1	7.7	7.7	7.6	6.9	7.5
Lander, Wyo	4.1	4.0	3.9	3.5	3.5	3.4	2.5	2.5	2.7	2.6	2.8	3.0	4.3	5.4	5.5	5.9	5.6	5.5	5.5	4.3	3.8	3.7	4.1	3.6	4.0
Lexington, Ky	14.9	15.7	15.8	15.3	15.0	15.2	13.9	14.6	14.5	14.7	15.3	15.4	14.3	15.7	16.9	15.5	15.1	14.5	13.4	14.6	15.0	14.8	15.3	15.3	15.0
Little Rock, Ark	6.7	7.4	7.8	7.2	7.5	7.7	7.3	7.1	7.1	7.6	8.4	8.1	9.6	10.2	10.1	9.6	9.4	9.2	8.2	7.8	8.1	7.9	7.4	7.2	8.1
Los Angeles, Cal	3.3	3.5	3.7	3.7	3.9	4.3	4.2	3.9	4.3	3.9	4.4	4.8	4.6	4.5	4.3	4.1	4.5	4.3	4.2	3.9	2.7	2.5	2.3	2.7	3.9
Louisville, Ky	9.5	9.5	10.1	9.7	9.3	9.2	8.6	8.8	9.3	9.9	10.4	10.4	10.7	11.0	10.6	10.7	10.9	10.4	10.8	9.9	10.6	10.7	10.7	9.9	10.1
Lynchburg, Va	3.2	2.9	3.0	3.3	3.4	3.6	4.0	4.2	4.6	4.8	5.5	5.9	6.5	6.7	6.7	6.5	5.8	5.1	4.4	4.0	3.7	3.3	2.6	2.9	4.4
Marquette, Mich	12.9	13.0	12.4	12.4	13.2	12.6	12.2	12.4	12.4	11.7	11.9	11.9	11.6	11.1	12.0	11.9	11.3	9.9	9.9	10.6	11.7	12.8	13.3	13.9	12.0
Memphis, Tenn	8.4	7.7	8.2	8.3	8.4	7.7	7.7	7.7	7.7	8.7	9.1	9.3	9.7	9.3	9.8	9.4	8.9	8.8	8.0	7.9	8.4	8.1	7.9	8.4	8.5
Meridian, Miss	8.1	8.1	7.7	8.3	8.2	7.3	6.3	6.5	6.3	6.1	7.0	6.8	7.1	6.5	6.3	5.5	5.8	6.1	6.4	6.6	6.7	7.3	8.0	7.8	6.9
Miles City, Mont	5.0	4.8	5.3	5.1	5.3	5.5	5.5	4.6	4.8	4.8	4.8	5.2	6.1	6.4	6.4	6.6	7.0	6.2	5.5	4.9	5.3	5.7	5.6	4.7	5.5
Milwaukee, Wis	12.2	11.5	10.8	10.2	9.9	10.3	10.5	10.5	10.3	10.8	12.4	12.9	14.0	14.1	14.0	13.8	13.5	12.3	12.6	12.6	13.4	13.0	12.2	12.1	12.1
Mobile, Ala	7.9	8.2	8.4	8.3	7.6	7.6	7.8	8.1	8.1	9.0	9.1	9.8	10.2	11.0	11.2	11.5	10.8	9.6	8.6	8.4	8.2	8.0	8.0	7.9	8.9
Montgomery, Ala	6.5	7.2	6.8	6.4	6.1	6.5	6.0	6.1	6.4	6.8	7.7	7.5	7.6	7.6	7.7	7.7	7.8	7.1	6.9	6.2	6.4	6.1	6.0	6.5	6.8
Moorhead, Minn	8.9	9.5	9.5	9.5	9.4	9.5	9.9	10.1	10.5	10.5	10.9	12.0	12.6	12.5	12.4	11.9	11.1	10.3	9.1	9.0	8.8	8.8	8.3	8.8	10.2
Nantucket, Mass	11.7	12.1	11.9	12.2	12.4	12.2	11.8	11.7	11.5	11.4	12.2	12.9	12.9	12.7	12.3	11.5	11.4	11.2	11.7	12.2	12.5	12.1	12.5	11.9	12.0
Nashville, Tenn	7.7	7.8	7.9	8.0	7.1	6.8	7.5	7.4	7.7	8.4	8.6	8.6	9.2	9.3	9.3	9.5	9.7	9.2	8.9	8.1	8.0	7.7	7.9	7.8	8.2
New Haven, Conn	7.8	7.4	8.3	8.7	8.8	8.4	8.1	8.2	9.0	9.5	10.1	10.8	11.6	11.9	12.0	11.2	10.2	8.9	9.4	8.8	8.2	7.9	8.3	8.3	9.2
New London, Conn	6.0	6.5	6.4	6.3	7.1	7.3	7.0	7.3	7.6	8.8	8.9	9.2	9.7	9.7	9.5	9.1	8.8	7.8	7.5	7.6	7.2	6.7	5.8	6.2	7.7
New Orleans, La	9.0	9.7	9.5	8.9	8.9	8.5	8.8	9.5	9.6	9.7	10.0	10.9	11.2	12.1	11.4	10.5	10.0	9.4	8.4	8.7	9.0	9.1	8.8	9.0	9.6
New York, N. Y	9.8	10.1	10.4	9.9	9.9	9.5	9.6	9.8	10.3	11.1	11.5	11.6	11.5	11.8	11.4	11.6	11.9	11.0	10.4	10.5	10.4	10.1	9.9	9.7	10.6
Norfolk, Va	9.3	9.0	9.1	8.9	8.4	8.8	8.9	9.1	9.3	10.6	11.6	12.4	13.0	13.1	12.4	12.3	12.2	10.3	9.6	8.9	8.7	8.5	8.7	8.9	10.1
Northfield, Vt	8.4	8.5	8.1	7.1	6.9	6.8	6.7	6.6	6.1	6.7	7.3	8.7	10.0	9.7	9.7	9.9	8.1	7.7	8.1	8.6	8.7	8.9	8.6	8.5	8.1
North Platte, Nebr	7.0	7.3	7.2	7.1	7.3	7.4	7.8	8.3	7.9	7.6	8.1	9.4	10.0	12.3	12.1	12.3	11.3	10.7	9.0	8.3	8.2	7.5	7.2	7.3	8.7
Oklahoma, Okla	9.0	8.5	8.5	8.6	8.7	8.7	8.4	8.4	7.9	8.2	8.5	9.1	10.1	10.6	10.7	10.6	10.9	10.3	8.7	8.3	8.8	8.9	9.0	9.0	9.1
Omaha, Nebr	7.1	6.6	6.9	6.5	6.7	7.1	6.7	6.8	7.4	7.5	8.7	9.6	10.3	10.4	10.5	10.7	10.4	9.0	7.7	7.8	7.8	7.5	7.7	7.1	8.1
Oswego, N. Y	15.2	15.0	14.2	14.0	14.4	13.3	12.7	13.0	13.4	14.0	14.4	14.1	14.7	14.8	14.7	14.7	14.6	14.7	14.0	14.2	14.7	15.4	15.5	15.5	14.4
Palestine, Tex	6.7	6.8	6.8	6.6	6.6	6.3	6.0	6.4	6.0	6.4	7.4	7.5	7.9	8.4	8.8	8.2	8.5	8.0	6.5	6.1	7.1	7.8	7.9	7.3	7.2

TABLE VI.—*Average wind movement, etc.*—Continued.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.
Parkersburg, W. Va..	7.3	7.0	6.6	6.4	5.8	6.5	6.6	6.6	7.2	7.4	8.1	8.0	8.8	8.8	8.2	8.1	6.8	6.4	6.3	6.1	6.4	5.9	6.3	6.9	7.0
Pensacola, Fla.....	9.1	9.8	9.8	9.7	9.3	9.4	9.5	9.6	9.9	10.3	10.5	10.3	10.4	10.5	10.8	11.8	11.1	9.9	8.8	8.1	8.2	8.6	8.7	8.4	9.7
Philadelphia, Pa.....	10.5	10.2	9.9	10.1	9.6	9.7	9.9	10.2	10.6	11.8	12.6	12.3	12.5	12.9	12.8	12.4	11.8	11.0	11.0	11.0	9.9	9.9	10.1	10.5	11.0
Pierre, S. Dak.....	6.7	8.0	8.6	8.2	8.2	7.8	7.8	7.8	7.3	7.6	8.1	8.9	9.6	10.0	10.2	10.0	9.7	9.8	9.4	8.0	6.8	6.6	7.2	7.0	8.3
Pittsburg, Pa.....	7.6	7.3	7.4	7.4	7.7	7.5	7.3	7.7	8.9	9.1	9.5	9.5	9.7	9.7	9.8	9.2	9.0	7.8	7.7	7.5	7.9	7.9	8.1	7.8	8.3
Port Angeles, Wash..	5.1	5.1	4.9	6.1	6.1	5.4	5.7	5.1	5.3	5.1	5.9	5.4	4.8	4.3	3.8	4.0	4.3	4.5	4.3	4.0	3.8	4.0	4.0	4.4	4.8
Port Huron, Mich....	11.2	11.6	11.7	11.1	11.2	11.4	11.6	11.0	11.8	12.7	14.2	15.1	15.8	16.2	16.3	15.9	15.0	14.5	13.0	13.5	14.4	14.0	12.3	12.0	13.2
Portland, Me.....	7.3	7.1	6.5	6.6	6.2	6.5	6.4	6.4	6.6	6.9	7.3	6.7	7.1	7.0	7.0	7.1	6.3	6.6	6.3	6.3	6.3	7.2	7.2	7.1	6.7
Portland, Oreg.....	7.5	7.3	7.5	7.0	7.1	6.9	6.2	6.4	6.7	7.1	6.6	7.6	7.3	7.1	6.6	7.0	7.4	7.2	7.6	7.4	6.5	6.6	6.5	6.3	7.0
Pueblo, Colo.....	4.4	5.9	5.5	6.2	7.0	7.5	7.4	6.5	6.1	6.5	6.8	7.2	9.0	10.2	11.3	11.9	11.3	10.9	9.1	8.1	7.3	6.5	6.0	4.6	7.6
Raleigh, N. C.....	6.1	5.8	5.8	6.0	6.0	5.9	6.0	5.9	6.2	7.2	7.7	8.4	8.7	8.6	9.0	8.9	7.9	6.7	6.3	6.8	6.6	7.0	6.7	5.8	6.9
Rapid City, S. Dak...	7.0	7.3	7.2	7.0	6.9	7.2	7.9	7.9	7.5	6.7	6.3	6.8	7.4	8.9	9.6	9.9	10.4	9.0	7.1	6.9	6.6	6.6	6.0	6.7	7.5
Red Bluff, Cal.....	8.4	8.6	8.3	8.2	8.4	8.1	8.0	8.3	8.0	8.2	8.4	8.3	9.5	10.5	10.8	11.3	11.5	11.2	10.6	10.1	9.5	9.2	8.5	8.5	9.2
Rochester, N. Y.....	10.3	10.3	10.5	10.1	9.7	9.1	9.1	9.7	10.2	10.8	10.7	12.2	12.9	12.3	11.5	11.1	10.9	10.1	10.5	10.3	10.4	10.4	10.0	10.2	10.5
Roseburg, Oreg.....	3.1	3.2	3.7	3.6	3.7	3.4	3.0	3.7	3.1	3.0	3.2	2.9	3.1	3.5	4.2	4.3	4.7	5.3	4.9	3.8	3.2	3.0	3.3	3.2	3.6
Sacramento, Cal.....	11.4	11.6	10.6	10.4	10.1	9.7	9.6	10.3	10.4	11.0	10.9	11.2	11.1	12.1	13.4	13.6	13.3	12.4	11.8	10.9	10.4	11.0	11.6	11.8	11.3
St. Louis, Mo.....	12.8	12.9	12.0	12.3	11.9	11.8	11.8	12.1	12.9	13.3	13.3	12.4	13.0	13.5	14.1	13.6	13.5	12.7	12.4	12.9	13.0	13.5	13.0	12.8	12.8
St. Paul, Minn.....	6.9	6.7	6.9	7.0	7.3	7.5	7.3	7.0	7.1	7.7	8.2	9.0	9.1	10.0	10.4	11.0	10.3	9.7	8.6	8.8	7.7	7.6	7.2	7.4	8.2
St. Vincent, Minn....	8.5	8.5	8.7	8.8	9.1	9.2	9.0	9.5	9.1	9.5	9.9	11.2	11.3	11.6	11.3	10.8	10.0	8.6	7.9	7.8	7.9	8.5	8.7	8.8	9.3
Salt Lake City, Utah.	5.3	5.2	5.3	5.7	6.2	5.8	5.5	5.5	5.3	5.7	5.5	5.9	6.9	7.0	7.5	7.8	8.3	7.1	6.9	5.8	5.7	5.7	6.2	5.5	6.1
San Antonio, Tex.....	6.0	5.5	4.7	4.8	5.5	5.8	5.3	5.5	5.8	6.1	7.5	7.6	8.1	8.3	8.5	8.2	8.4	8.2	7.2	6.5	6.1	7.0	6.5	6.4	6.6
San Diego, Cal.....	5.3	4.6	4.2	4.6	4.8	5.0	5.2	5.5	5.8	5.6	5.3	4.5	4.3	5.2	6.3	6.7	7.3	7.4	7.5	6.6	4.9	4.6	4.6	4.6	5.4
Sandusky, Ohio	9.9	9.5	9.8	10.7	10.2	9.8	10.0	10.0	10.4	10.6	10.7	11.3	12.0	12.1	11.6	11.4	10.5	10.1	9.9	9.5	9.1	8.9	8.7	9.6	10.3
San Francisco, Cal...	8.2	7.5	7.6	7.4	7.9	7.4	7.8	8.1	8.4	8.6	8.5	10.3	10.5	11.7	12.0	12.1	12.2	11.7	10.5	9.9	10.4	10.1	10.0	9.2	9.5
San Luis Obispo, Cal.	5.1	5.3	5.9	4.9	4.7	4.4	4.1	4.3	3.6	3.6	3.3	3.6	3.8	4.0	5.5	6.0	6.9	7.0	7.1	7.1	6.1	5.6	4.8	5.4	5.1
Santa Fe, N. Mex.....	5.3	5.5	5.6	5.2	5.3	5.9	6.3	6.3	5.8	6.4	6.4	7.9	9.4	11.1	10.9	10.7	9.5	9.2	8.6	6.8	5.5	5.7	5.4	5.3	7.1
Sault Ste Marie, Mich.	8.5	8.0	8.3	8.7	9.0	7.9	7.6	7.1	6.8	6.4	6.6	6.8	7.3	8.1	8.1	8.7	8.6	8.5	9.4	9.4	9.0	8.5	9.1	8.6	8.1
Savannah, Ga.....	6.5	6.5	7.0	7.2	7.7	7.7	7.9	7.5	7.5	8.3	9.3	10.0	10.3	9.9	10.1	10.1	9.1	8.7	7.9	7.4	7.2	7.2	6.8	7.0	8.1
Seattle, Wash.....	5.2	6.6	6.5	5.4	5.2	5.2	4.7	4.5	4.9	5.3	4.6	4.1	4.7	4.3	4.8	5.1	5.7	6.0	6.0	5.4	5.3	5.4	5.1	5.4	5.2
Shreveport, La.....	8.1	7.7	7.2	7.3	7.3	7.2	7.2	7.7	7.4	8.0	7.7	8.5	8.4	8.3	8.5	8.6	9.2	9.4	8.0	7.6	8.0	8.0	8.7	8.7	8.0
Sioux City, Iowa.....	9.1	9.5	9.7	10.0	10.7	10.8	10.6	11.0	11.0	12.1	13.1	13.3	13.8	15.1	15.7	15.7	15.5	14.1	11.7	11.2	10.7	10.9	10.8	9.5	12.0
Spokane, Wash.....	4.6	4.5	5.0	4.8	4.7	4.6	4.7	4.8	5.0	5.7	5.5	5.8	6.6	6.5	6.1	6.0	5.9	6.2	6.3	5.5	5.7	5.7	5.5	4.6	5.4
Springfield, Ill.....	10.5	10.8	10.4	10.6	10.5	10.5	10.4	10.5	10.3	11.1	11.0	11.6	12.2	12.3	12.5	12.3	11.5	10.6	10.1	10.1	10.4	10.4	11.0	10.0	10.9
Springfield, Mo.....	9.5	10.1	10.3	10.5	10.4	10.5	9.5	9.8	9.3	9.9	10.4	10.9	11.3	11.5	11.0	11.6	11.4	10.9	9.6	9.8	9.8	9.6	10.0	10.1	10.3
Tampa, Fla.....	5.3	5.5	4.8	4.7	5.2	5.2	5.8	5.9	5.9	6.8	7.2	7.8	9.0	9.4	9.9	9.3	8.3	7.4	6.7	5.6	5.2	5.5	5.4	5.1	6.5
Tatoosh Island, Wash.	16.8	18.3	18.1	17.9	18.6	19.0	18.5	19.6	19.3	19.0	19.1	18.1	18.3	18.9	18.7	17.2	17.2	17.2	15.8	16.6	16.7	17.2	16.8	16.7	17.9
Titusville, Fla.....	9.0	9.1	9.0	9.3	9.6	9.4	9.7	10.1	10.1	10.8	11.8	12.4	14.5	15.1	15.0	14.8	14.0	11.2	10.5	10.7	9.3	9.5	9.0	8.7	10.9
Toledo, Ohio.....	10.7	10.7	10.6	11.0	11.3	11.4	11.3	10.8	11.7	11.8	12.4	13.3	14.3	13.8	13.9	13.5	12.8	12.6	12.3	11.7	11.7	11.1	10.8	10.8	11.9
Tucson, Ariz.....	3.3	3.1	3.8	4.3	4.1	3.9	3.9	3.7	3.4	3.9	4.5	4.1	4.8	5.1	5.2	5.4	5.8	6.9	6.8	5.4	4.4	3.9	3.4	3.7	4.5
Vicksburg, Miss.....	8.5	8.5	8.3	8.4	8.8	8.8	9.0	8.7	8.9	9.4	9.0	8.6	9.0	8.6	8.3	8.2	8.0	7.7	6.9	7.3	8.4	8.6	8.8	8.0	8.4
Vineyard Haven, Mass	9.3	9.6	9.7	9.8	9.6	10.3	9.8	9.4	9.8	10.1	10.4	11.0	10.5	10.7	10.3	10.0	9.6	9.4	9.6	9.5	9.5	9.7	9.7	9.1	9.8
Walla Walla, Wash...	5.2	5.0	5.1	5.1	5.3	5.3	5.4	6.3	6.5	6.0	5.9	6.0	6.1	6.9	6.9	6.7	6.8	6.5	5.6	5.5	5.5	5.4	4.9	5.3	5.8
Washington, D. C.....	5.7	6.0	5.5	5.1	5.1	5.0	5.3	5.7	6.4	7.0	7.7	7.8	8.7	8.9	9.3	9.6	8.7	6.6	6.9	6.4	6.3	6.5	6.0	5.7	6.7
Wichita, Kans.....	7.7	8.4	8.0	7.7	8.0	7.8	8.0	8.3	8.5	8.8	10.0	10.4	11.3	11.0	10.8	10.5	10.1	9.3	8.4	7.5	7.9	7.7	8.4	8.6	8.9
Williston, N. Dak.....	7.6	7.2	7.7	7.4	7.6	8.7	9.0	8.9	9.4	8.5	8.2	9.1	10.9	12.4	12.7	12.4	12.4	11.5	9.6	8.8	8.9	8.3	8.6	8.2	9.3
Wilmington, N. C.....	8.3	8.5	8.4	8.5	8.8	8.7	8.6	8.4	9.3	10.0	10.5	10.8	11.5	11.2	11.0	10.2	9.3	8.0	8.2	7.8	7.5	7.9	8.7	7.9	9.1
Winnemucca, Nev....	9.2	10.0	9.8	10.4	10.6	10.1	9.9	10.3	10.7	10.3	10.2	10.1	11.3	11.6	12.3	12.4	12.9	12.4	11.6	11.3	10.4	10.0	9.6	8.6	10.7
Woods Holl, Mass....	16.2	15.6	14.7	15.3	15.0	14.6	14.6	15.2	15.0	16.3	16.4	15.7	15.9	15.9	16.6	16.3	16.6	16.2	16.8	17.6	17.8	18.4	17.8	16.8	16.1
Yuma, Ariz.....	4.7	5.0	5.1	4.9	5.4	5.8	5.7	6.5	6.5	6.3	7.4	8.8	11.3	12.0	11.6	10.7	10.7	10.6	9.5	7.4	6.5	5.8	5.1	4.8	7.4

TABLE VII.—*Heights of rivers above low-water mark, January*, 1895.

Stations.	Distance to mouth of river.	Danger-point on gauge.	Highest water.		Lowest water.		Mean stage.	Monthly range.
			Height.	Date.	Height.	Date.		
	Miles.	*Feet.*	*Feet.*		*Feet.*		*Feet.*	*Feet*
Mississippi River.								
St. Paul, Minn.‡.....	2,057	14.0	.....	.....	.....	.....	.....	.....
La Crosse, Wis.‡.....	1,867	10.0	.....	.....	.....	.....	.....	.....
Dubuque, Iowa‡	1,759	15.0	.....	.....	.....	.....	.....	.....
Davenport, Iowa‡....	1,663	15.0	.....	.....	.....	.....	.....	.....
Keokuk, Iowa‡.....	1,523	14.0	.....	.....	.....	.....	.....	.....
Hannibal, Mo.‡.....	1,462	17.0	.....	.....	.....	.....	.....	.....
St. Louis, Mo.§	1,321	30.0	3.0	18,29	— 0.7	27	0.6	3.7
Memphis, Tenn	910	33.0	24.0	24,25	1.9	10	12.6	22.1
Helena, Ark	834	37.0	30.9	26	3.0	12	16.2	27.9
Arkansas City, Ark...	702	42.0	30.9	27,28	3.4	13	15.6	27.5
Greenville, Miss	662	40.0	26.3	27	3.0	14	12.9	23.3
Vicksburg, Miss	541	41.0	29.1	29-31	1.0	14,15	11.5	28.1
New Orleans, La	108	13.0	8.7	31	2.3	17	4.4	6.4
Illinois River.								
Beardstown, Ill.‡	76	12.0	.....	.....	.....	.....	.....	.....
Missouri River.								
Pierre, S. Dak.‡	1,132	13.0	.....	.....	.....	.....	.....	.....
Sioux City, Iowa‡ ...	802	18.7	.....	.....	.....	.....	.....	.....
Omaha, Nebr.‡.....	667	18.0	.....	.....	.....	.....	.....	.....
Kansas City, Mo.‡....	386	21.0	.....	.....	.....	.....	.....	.....
Ohio River.								
Parkersburg, W. Va..	786	38.0	37.0	11	4.4	5	15.5	32.6
Catlettsburg, Ky.....	652	50.0	48.6	12	6.0	5	24.5	42.6
Cincinnati, Ohio.....	500	45.0	48.4	14	8.2	6	28.3	40.2
Louisville, Ky.‖	368	24.0	21.3	15	4.9	6	11.6	16.4
Evansville, Ind.....	184	30.0	35.5	17,18	5.8	4	22.9	29.7
Paducah, Ky.....	47	40.0	32.8	20,21	5.7	1,6,7	20.5	27.1
Cairo, Ill.....	1,140*	40.0	33.1	22	6.6	7	20.8	26.5
Monongahela River.								
Pittsburg, Pa	966†	22.0	25.7	8	2.6	1,2	8.3	23.1
Great Kanawha River.								
Charleston, W. Va....	61	30.0	18.3	12	2.6	3,4	8.1	15.7
Scioto River.								
Circleville, Ohio‡.....	65	13.0	.....	.....	.....	.....	.....	.....
Big Sandy River.								
Louisa, Ky	26	.....	27.0	11	5.8	5	11.9	21.2
Wabash River.								
Mount Carmel, Ill.¶..	50	15.0	7.5	25	1.8	7	5.0	5.7
Cumberland River.								
Burnside, Ky.....	404	50.0	33.0	12	2.8	6	13.3	30.2
Nashville, Tenn	145	40.0	30.3	17	5.4	6	19.1	24.9
Tennessee River.								
Knoxville, Tenn.....	640	29.0	18.5	11	2.0	2	16.8	16.5
Chattanooga, Tenn...	455	33.0	32.1	12	3.1	5,6	11.5	29.0
Johnsonville, Tenn...	94	31.0	25.5	19	3.9	7	14.6	21.6
Arkansas River.								
Fort Smith, Ark	351	22.0	1.6	6-8	0.6	1	1.1	1.0
Little Rock, Ark.....	176	23.0	5.6	28,29	2.5	3-6	3.3	3.1
Red River.								
Shreveport, La.....	449	29.2	4.9	6,7	0.1	30	3.8	4.8
James River.								
Lynchburg, Va.....	251	18.0	10.0	11	0.3	5-7	3.2	9.7
Congaree River.								
Columbia, S. C...	.....	15.0	17.4	11,12	0.9	8	5.3	16.5
Savannah River.								
Augusta, Ga	140	32.6	30.2	11	7.7	8	13.4	22.5
Alabama River.								
Montgomery, Ala.....	215	48.0	31.0	12	4.4	8	17.1	26.6
Willamette River.								
Portland, Oreg.....	.....	15.0	15.9	14	3.0	1,2	7.8	12.9
Sacramento River.								
Red Bluff, Cal.....	.....	22.0	22.4	22	4.8	31	10.6	17.6
Sacramento, Cal.....	.....	25.0	26.6	27	19.8	3	23.7	6.8

* To mouth of Mississippi River. † To mouth of Ohio River. ‡ River frozen. § Record for 28 days. ‖ Record for 29 days. ¶ Record for 24 days.

TABLE VIII.—*Temperature of the wet-bulb thermometer, January, 1895.*

Stations.	Local time faster or slower than 75th meridian time.	8 A. M.			8 P. M.		
		Max.	Min.	Mean.	Max.	Min.	Mean.
New England.	h. m.	°	°	°	°	°	°
Eastport, Me	32 F.	38	— 5	20	44	2	24
Portland, Me	19 F.	35	— 3	18	41	11	22
Northfield, Vt	9 F.	34	—15	11	36	— 2	16
Boston, Mass	16 F.	45	2	24	48	13	27
Nantucket, Mass	20 F.	47	9	30	46	15	30
Woods Holl, Mass	17 F.	.....	.....	.....	48	14	29
Block Island, R. I	14 F.	47	9	29	47	17	29
New Haven, Conn	8 F.	42	5	23	42	14	25
New London, Conn	12 F	46	6	26	44	16	27
Middle Atlantic States.							
Albany, N Y	5 F.	42	— 2	19	41	6	22
New York, N. Y	4 F.	48	11	27	48	10	27
Harrisburg, Pa	7 S.	42	6	23	42	1	26
Philadelphia, Pa	0	51	12	27	49	10	28
Baltimore, Md	6 S.	47	8	26	48	10	29
Washington, D. C	8 S.	47	5	27	50	12	30
Lynchburg, Va	16 S.	46	— 2	28	53	16	32
Norfolk, Va	5 S.	58	16	35	55	16	37
South Atlantic States.							
Charlotte, N. C	23 S.	56	4	33	55	20	38
Hatteras, N. C	2 S.	63	25	43	59	24	44
Kittyhawk, N. C	3 S.	60	20	39	54	19	40
Raleigh, N. C	14 S.	55	6	33	56	17	37
Wilmington, N. C	12 S.	60	19	39	59	20	42
Charleston, S. C	20 S.	58	19	42	60	25	46
Augusta, Ga	27 S.	56	10	38	61	26	43
Savannah, Ga	24 S.	59	20	43	62	27	47
Jacksonville, Fla	26 S.	64	26	48	64	31	51
Florida Peninsula.							
Jupiter, Fla	20 S.	70	40	59	70	49	62
Key West, Fla	27 S.	72	51	64	72	54	65
Tampa, Fla	30 S.	68	32	54	69	39	58
Titusville, Fla	23 S.	69	33	54	68	40	58
Eastern Gulf States.							
Atlanta, Ga	37 S.	55	6	35	57	16	39
Pensacola, Fla	49 S.	62	21	44	64	29	49
Mobile, Ala	52 S.	64	18	42	62	31	47
Montgomery, Ala	45 S.	60	15	39	63	24	45
Meridian, Miss	55 S.	63	14	38	64	24	43
Vicksburg, Miss	1 03 S.	64	20	40	64	27	45
New Orleans, La	1 00 S.	66	27	47	68	29	49
Western Gulf States.							
Shreveport, La	1 14 S.	63	21	38	66	25	42
Fort Smith, Ark	1 17 S.	51	7	28	62	17	35
Little Rock, Ark	1 08 S.	61	11	30	62	18	36
Corpus Christi, Tex	1 30 S.	66	29	50	69	41	57
Galveston, Tex	1 19 S.	63	28	49	65	32	51
Palestine, Tex	1 22 S.	65	17	39	65	27	44
San Antonio, Tex	1 34 S.	69	21	42	65	30	48
Ohio Valley and Tenn.							
Chattanooga, Tenn	41 S.	52	10	32	54	11	36
Knoxville, Tenn	36 S.	51	4	30	52	1	34
Memphis, Tenn	1 00 S.	62	8	32	62	12	36
Nashville, Tenn	47 S.	58	— 2	30	59	4	34
Lexington, Ky	38 S.	54	—10	24	52	8	28
Louisville, Ky	43 S.	56	—10	24	57	— 1	29
Indianapolis, Ind	44 S.	52	—13	19	42	— 1	20
Cincinnati, Ohio	38 S.	54	— 9	22	51	— 7	27
Columbus, Ohio	32 S.	48	— 5	20	47	— 4	25
Pittsburg, Pa	20 S.	50	— 4	25	50	0	28
Parkersburg, W. Va	26 S.	51	— 4	25	51	— 4	29
Lower Lake Region.							
Buffalo, N. Y	15 S.	43	4	21	42	7	22
Oswego, N. Y	6 S.	39	— 4	19	40	4	22
Rochester, N. Y	11 S.	40	5	21	42	5	22
Erie, Pa	20 S.	41	— 3	20	45	9	22
Cleveland, Ohio	27 S.	42	— 6	19	45	— 5	23
Sandusky, Ohio	30 S.	45	— 1	19	41	— 2	22
Toledo, Ohio	34 S.	43	— 3	17	39	— 4	21
Detroit, Mich	32 S.	42	— 4	16	37	— 2	20
Upper Lake Region.							
Alpena, Mich	34 S.	32	— 2	14	30	5	18
Grand Haven, Mich	45 S.	45	— 2	17	38	8	20
Marquette, Mich	49 S.	33	—10	12	32	— 2	14
Port Huron, Mich	30 S.	38	— 7	16	36	4	20
Sault Ste. Marie, Mich	37 S.	34	— 8	8	30	2	15
Chicago, Ill	50 S.	51	— 8	14	41	— 3	19
Up. Lake Region—Con.	h. m.	°	°	°	°	°	°
Milwaukee, Wis	51 S.	37	—11	11	34	— 5	16
Green Bay, Wis	52 S.	36	—15	8	33	— 8	14
Duluth, Minn	1 08 S.	26	—19	4	30	—15	9
North Dakota.							
Moorhead, Minn	1 27 S.	23	—27	— 6	24	—21	0
St. Vincent, Minn	1 29 S.	22	—30	—11	24	—24	— 4
Bismarck, N. Dak	1 42 S.	26	—28	— 7	26	—22	1
Williston, N. Dak	1 54 S.	26	—34	— 5	28	—20	— 1
Upper Mississippi Valley.							
St. Paul, Minn	1 12 S.	22	—20	2	32	—10	8
La Crosse, Wis	1 05 S.	34	—17	6	38	— 7	12
Davenport, Iowa	1 02 S.	37	—12	10	48	—10	17
Des Moines, Iowa	1 14 S.	48	—12	11	51	— 8	18
Keokuk, Iowa	1 06 S.	41	—10	13	47	— 8	20
Cairo, Ill	56 S.	59	— 1	26	61	10	32
Springfield, Ill	58 S.	37	— 6	15	46	— 5	21
Hannibal, Mo	1 05 S.	44	— 8	15	56	— 5	22
St. Louis, Mo	1 01 S.	40	— 6	21	53	4	25
Missouri Valley.							
Columbia, Mo	1 09 S.	.....	.....	.....	56	0	22
Kansas City, Mo	1 18 S.	54	— 8	18	56	— 2	25
Springfield, Mo	1 13 S.	50	—13	21	57	9	27
Omaha, Nebr	1 24 S.	47	—12	11	44	—10	19
Sioux City, Iowa	1 26 S.	37	—15	8	39	—10	14
Pierre, S. Dak	1 41 S.	27	—14	3	29	—11	11
Huron, S. Dak	1 32 S.	28	—23	0	30	—16	6
Northern Slope.							
Havre, Mont	2 19 S.	35	—24	— 2	35	—14	3
Miles City, Mont	2 03 S.	28	—19	3	36	— 9	10
Helena, Mont	2 28 S.	40	—14	13	38	—10	17
Rapid City, S. Dak	1 53 S.	37	— 4	10	40	— 5	16
Cheyenne, Wyo	1 59 S.	37	—11	19	36	— 3	21
Lander, Wyo	2 15 S.	30	—27	6	40	—11	17
North Platte, Nebr	1 43 S.	31	— 9	12	36	0	20
Middle Slope.							
Denver, Colo	2 00 S.	37	— 6	20	43	0	26
Pueblo, Colo	1 58 S.	38	— 4	18	40	4	27
Concordia, Kans	1 31 S.	41	7	15	49	2	22
Dodge City, Kans	1 40 S.	36	2	18	44	7	26
Wichita, Kans	1 29 S.	52	— 1	20	53	8	27
Oklahoma, Okla	1 30 S.	50	5	24	60	9	32
Southern Slope.							
Abilene, Tex	1 39 S.	55	5	30	58	14	37
Amarillo, Tex	1 47 S.	37	0	22	44	6	29
Southern Plateau.							
El Paso, Tex	2 06 S.	44	20	32	49	26	40
Santa Fe, N. Mex	2 04 S.	32	0	20	39	11	24
Tucson, Ariz	2 24 S.	52	28	38	52	37	46
Yuma, Ariz	2 38 S.	57	33	42	57	40	48
Independence, Cal	2 53 S.	52	17	30	43	25	34
Middle Plateau.							
Carson City, Nev	2 59 S.	40	— 1	22	41	19	30
Winnemucca, Nev	2 51 S.	38	— 9	18	36	10	26
Salt Lake City, Utah	2 27 S.	37	0	4	42	14	28
Northern Plateau.							
Baker City, Oreg	2 51 S.	42	— 1	20	37	8	25
Idaho Falls, Idaho	2 28 S.	37	—20	13	35	—10	18
Spokane, Wash	2 49 S.	42	12	24	43	17	28
Walla Walla, Wash	2 53 S.	56	12	30	55	18	31
N. Pac. Coast Region.							
Fort Canby, Wash	3 16 S.	52	31	38	51	34	40
Port Angeles, Wash	3 14 S.	46	28	34	44	29	36
Seattle, Wash	3 09 S.	56	29	36	53	31	38
Tatoosh Island, Wash	3 19 S.	50	31	39	52	34	40
Portland, Oreg	3 11 S.	53	26	34	52	28	36
Roseburg, Oreg	3 13 S.	53	22	35	53	35	41
Mid. Pac. Coast Region.							
Eureka, Cal	3 17 S.	58	32	41	57	39	46
Red Bluff, Cal	3 09 S.	51	29	39	51	37	44
Sacramento, Cal	3 06 S.	52	32	42	52	39	45
San Francisco, Cal	3 10 S.	55	36	44	55	39	46
S. Pac. Coast Region.							
Fresno, Cal	2 59 S.	51	31	41	55	38	46
Los Angeles, Cal	2 53 S.	54	35	44	59	43	50
San Diego, Cal	2 49 S.	58	35	46	58	46	52
San Luis Obispo, Cal	3 06 S.	52	33	42	56	40	48

TABLE IX.—*Resultant winds from observations at 8 a. m. and 8 p. m., daily, during January, 1895.*

Stations.	Component direction from—				Resultant.	
	N.	S.	E.	W.	Direction from—	Duration.
New England.	*Hours.*	*Hours.*	*Hours.*	*Hours.*	°	*Hours.*
Eastport, Me	22	11	13	33	n. 61 w.	23
Portland, Me	19	10	5	40	n. 76 w.	36
Northfield, Vt	12	39	6	19	s. 26 w.	30
Boston, Mass	13	11	5	41	n. 87 w.	36
Nantucket, Mass	36	5	16	17	n. 2 w.	31
Woods Holl, Mass	8	6	5	18	n. 81 w.	13
Block Island, R. I	24	6	12	35	n. 52 w.	29
New Haven, Conn	23	15	2	30	n. 74 w.	29
New London, Conn	26	10	9	33	n. 56 w.	29
Middle Atlantic States.						
Albany, N. Y	14	36	4	17	s. 30 w.	26
New York, N. Y	23	12	10	33	n. 64 w.	26
Harrisburg, Pa	11	9	21	26	n. 68 w.	5
Philadelphia, Pa	25	15	11	28	n. 60 w.	20
Baltimore, Md	18	13	14	29	n. 72 w.	16
Washington, D. C	24	19	8	22	n. 70 w.	15
Lynchburg, Va	15	20	14	30	s. 73 w.	17
Norfolk, Va	18	15	13	25	n. 76 w.	12
South Atlantic States.						
Charlotte, N. C	10	28	21	25	s. 13 w.	18
Hatteras, N. C	25	16	7	24	n. 62 w.	19
Kittyhawk, N. C	25	13	14	25	n. 43 w.	16
Raleigh, N. C	20	25	11	18	s. 54 w.	9
Wilmington, N. C	23	15	14	26	n. 56 w.	14
Charleston, S. C	25	14	13	22	n. 39 w.	14
Augusta, Ga	16	16	18	24	w.	6
Savannah, Ga	23	16	12	25	n. 65 w.	14
Jacksonville, Fla	20	19	16	21	n. 79 w.	5
Florida Peninsula.						
Jupiter, Fla	18	25	11	21	s. 55 w.	12
Key West, Fla	23	14	35	2	n. 75 e.	34
Tampa, Fla	25	19	16	16	n.	6
Titusville, Fla	17	19	10	26	s. 83 w.	16
Eastern Gulf States.						
Atlanta, Ga	15	12	19	28	n. 72 w.	10
Pensacola, Fla	26	15	19	16	n. 15 e.	11
Mobile, Ala	29	18	9	16	n. 32 w.	13
Montgomery, Ala	14	14	18	22	w.	4
Meridian, Miss	29	20	15	17	n. 13 w.	9
Vicksburg, Miss	23	19	23	12	n. 70 e.	12
New Orleans, La	26	18	22	10	n. 56 e.	14
Western Gulf States.						
Shreveport, La	18	20	22	15	s. 74 e.	7
Fort Smith, Ark	17	9	31	16	n. 62 e.	17
Little Rock, Ark	23	13	16	20	n. 22 w.	11
Corpus Christi, Tex	27	13	25	9	n. 49 e.	21
Galveston, Tex	23	23	23	7	e.	15
Palestine, Tex	18	26	11	22	s. 54 w.	14
San Antonio, Tex	27	15	22	7	n. 51 e.	19
Ohio Valley and Tennessee.						
Chattanooga, Tenn	20	13	13	24	n. 58 w.	13
Knoxville, Tenn	24	6	19	24	n. 16 w.	19
Memphis, Tenn	20	18	18	19	n. 27 w.	2
Nashville, Tenn	22	18	12	22	n. 68 w.	11
Lexington, Ky	12	25	13	23	s. 38 w.	16
Louisville, Ky	18	26	8	21	s. 58 w.	15
Indianapolis, Ind	15	22	12	28	s. 66 w.	18
Cincinnati, Ohio	13	27	18	24	s. 23 w.	15
Columbus, Ohio	10	27	16	22	s. 19 w.	18
Pittsburg, Pa	9	22	12	30	s. 54 w.	22
Parkersburg, W. Va	9	23	14	24	s. 36 w.	17
Lower Lake Region.						
Buffalo, N. Y	11	18	10	37	s. 75 w.	28
Oswego, N. Y	7	37	13	21	s. 15 w.	31
Rochester, N. Y	5	34	8	34	s. 42 w.	39
Erie, Pa	6	30	6	34	s. 49 w.	37
Cleveland, Ohio	6	36	15	22	s. 13 w.	31
Sandusky, Ohio	7	22	9	38	s. 62 w.	33
Toledo, Ohio	8	20	7	38	s. 69 w.	33
Detroit, Mich	11	21	10	37	s. 70 w.	29
Upper Lake Region.						
Alpena, Mich	14	14	10	36	w.	26
Grand Haven, Mich	22	15	21	23	n. 16 w.	7
Marquette, Mich	20	16	3	35	n. 83 w.	32
Port Huron, Mich	5	37	10	22	s. 21 w.	34
Sault Ste. Marie, Mich	13	24	25	18	s. 32 e.	13
Chicago, Ill	19	18	8	33	n. 88 w.	25
Upper Lake Region—Cont'd.	*Hours.*	*Hours.*	*Hours.*	*Hours.*	°	*Hours.*
Milwaukee, Wis	10	15	6	41	s. 82 w.	35
Green Bay, Wis	17	25	5	24	s. 67 w.	21
Duluth, Minn	19	15	7	36	n. 82 w.	29
North Dakota.						
Moorhead, Minn	28	17	6	25	n. 60 w.	22
St. Vincent, Minn	27	16	7	23	n. 56 w.	19
Bismarck, N. Dak	32	9	14	21	n. 17 w.	24
Williston, N. Dak	17	13	9	37	n. 82 w.	28
Upper Mississippi Valley.						
St. Paul, Minn	12	20	16	32	s. 63 w.	18
La Crosse, Wis	17	23	5	25	s. 73 w.	21
Davenport, Iowa	10	19	12	33	s. 67 w.	23
Des Moines, Iowa	26	15	10	24	n. 52 w.	18
Keokuk, Iowa	22	17	12	28	n. 73 w.	17
Cairo, Ill	23	20	10	19	n. 72 w.	10
Springfield, Ill	23	16	9	25	n. 65 w.	16
Hannibal, Mo	17	17	11	28	w.	17
St. Louis, Mo	21	17	13	22	n. 66 w.	10
Missouri Valley.						
Columbia, Mo	8	9	9	10	s. 45 w.	1
Kansas City, Mo	23	23	19	17	e.	2
Springfield, Mo	19	19	22	16	e.	6
Omaha, Nebr	30	17	10	20	n. 38 w.	16
Sioux City, Iowa	32	15	9	19	n. 30 w.	20
Pierre, S. Dak	22	14	20	23	n. 21 w.	8
Huron, S. Dak	20	16	16	28	n. 72 w.	13
Northern Slope.						
Havre, Mont	26	5	16	30	n. 34 w.	25
Miles City, Mont	21	18	14	20	n. 63 w.	7
Helena, Mont	12	18	2	44	s. 82 w.	42
Rapid City, S. Dak	26	14	13	20	n. 30 w.	14
Cheyenne, Wyo	21	17	0	39	n. 84 w.	39
Lander, Wyo	17	25	10	26	s. 63 w.	18
North Platte, Nebr	18	19	9	30	s. 87 w.	21
Middle Slope.						
Denver, Colo	18	29	12	19	s. 33 w.	13
Pueblo, Colo	25	12	16	24	n. 32 w.	15
Concordia, Kans	24	24	11	13	w.	2
Dodge City, Kans	25	17	18	15	n. 21 e.	8
Wichita, Kans	26	23	13	13	n.	3
Oklahoma, Okla	27	24	13	12	n. 18 e.	3
Southern Slope.						
Abilene, Tex	23	25	14	16	s. 34 w.	4
Amarillo, Tex	19	29	5	16	s. 48 w.	15
Southern Plateau.						
El Paso, Tex	26	3	12	38	n. 48 w.	35
Santa Fe, N. Mex	26	19	17	15	n. 16 e.	7
Tucson, Ariz	14	23	17	21	s. 24 w.	10
Yuma, Ariz	40	9	9	10	n. 2 w.	31
Independence, Cal	27	14	5	29	n. 62 w.	27
Middle Plateau.						
Carson City, Nev	13	27	16	18	s. 8 w.	14
Winnemucca, Nev	15	19	23	20	s. 37 e.	5
Salt Lake City, Utah	8	30	17	21	s. 10 w.	22
Northern Plateau.						
Baker City, Oreg	10	34	25	10	s. 32 e.	28
Idaho Falls, Idaho	22	25	2	22	s. 81 w.	20
Spokane, Wash	11	24	27	15	s. 43 e.	18
Walla Walla, Wash	5	40	15	10	s. 8 e.	35
North Pacific Coast Region.						
Fort Canby, Wash	9	11	35	15	s. 84 e.	20
Port Angeles, Wash	2	43	15	10	s. 7 e.	41
Seattle, Wash	17	27	17	7	s. 45 e.	14
Tatoosh Island, Wash	0	19	40	8	s. 59 e.	37
Portland, Oreg	16	31	19	13	s. 22 e.	16
Roseburg, Oreg	16	27	17	19	s. 10 w.	11
Middle Pacific Coast Region.						
Eureka, Cal	13	20	31	12	s. 70 e.	20
Red Bluff, Cal	22	24	17	17	s.	2
Sacramento, Cal	20	33	15	5	s. 38 e.	16
San Francisco, Cal	16	25	21	20	s. 6 e.	9
South Pacific Coast Region.						
Fresno, Cal	15	19	27	19	s. 63 e.	9
Los Angeles, Cal	26	7	23	17	n. 18 e.	20
San Diego, Cal	29	10	16	22	n. 18 w.	20
San Luis Obispo, Cal	29	17	14	18	n. 18 w.	13

TABLE X.—*Thunderstorms and auroras, January, 1895.*

States.	No. of stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total. No.	Total. Days.	
Alabama	51	T.							1	2								3					2											8	4	T.
		A.																																0	0	A.
Arizona	46	T.																												1				1	1	T.
		A.																																0	0	A.
Arkansas	44	T.						5	1								1					3	5			3	1							19	7	T.
		A.																																0	0	A.
Colorado	71	T.																																0	0	T.
		A.													1			1	1								1		1	1	1		1	8	8	A.
California	208	T.															4	6	4															14	3	T.
		A.																																0	0	A.
Connecticut	25	T.																																0	0	T.
		A.														1																		1	1	A.
Delaware	7	T.																1																1	1	T.
		A.																			1			1		1								3	3	A.
Dist. of Columbia	4	T.																																0	0	T.
		A.																																0	0	A.
Florida	36	T.			1					2	3	1			1	1	1	7	1						1	1	1	3					1	25	14	T.
		A.																																0	0	A.
Georgia	48	T.									3							3					2				2	1						11	5	T.
		A.																																0	0	A.
Idaho	27	T.																																0	0	T.
		A.																																0	0	A.
Illinois	64	T.						4														4	21											29	3	T.
		A.													1																			1	1	A.
Indiana	47	T.					1	3	1														5				2							12	5	T.
		A.												1													2		1					4	3	A.
Indian Territory	6	T.																			1													1	1	T.
		A.																																0	0	A.
Iowa	83	T.																				13	9											22	2	T.
		A.																										1						1	1	A.
Kansas	77	T.																				2												2	1	T.
		A.																																0	0	A.
Kentucky	41	T.						3	2														1				1							7	4	T.
		A.																																0	0	A.
Louisiana	48	T.			1		1	1	12	7						2	3	4			1	1	6	1	1	3	8							52	15	T.
		A.																																0	0	A.
Maine	17	T.																																0	0	T.
		A.	2																	1	1	1												5	4	A.
Maryland	40	T.																5		1														6	2	T.
		A.																																0	0	A.
Massachusetts	84	T.																																0	0	T.
		A.	6																		3													9	2	A.
Michigan	74	T.	1																			1	5											7	3	T.
		A.	1																														1	2	2	A.
Minnesota	65	T.																					1											1	1	T.
		A.	3			1		1			2				1		1	3							1			1			1			15	10	A.
Mississippi	48	T.							7			1					7	1			2		4			1	4							27	8	T.
		A.																																0	0	A.
Missouri	102	T.						1									1					11	17			1	1							32	6	T.
		A.																													1			1	1	A.
Montana	33	T.																																0	0	T.
		A.												1							1													2	2	A.
Nebraska	113	T.																																0	0	T.
		A.																				1												1	1	A.
Nevada	43	T.																																0	0	T.
		A.	1	1								2	1	1																				6	5	A.
New Hampshire	26	T.																																0	0	T.
		A.	2																		3					1								6	3	A.
New Jersey	58	T.							1				1																					2	2	T.
		A.								1											3													4	2	A.
New Mexico	26	T.																																0	0	T.
		A.																																0	0	A.
New York	89	T.																																0	0	T.
		A.	1	1															1															3	3	A.
North Carolina	52	T.								7			1	3	1			2			5						1							20	7	T.
		A.																												1				1	1	A.
North Dakota	37	T.																																0	0	T.
		A.															1	9						1						1	2			14	5	A.
Ohio	153	T.					15	6				1			1	1	1	1					4				2							32	9	T.
		A.		1								1											1					2			1			6	5	A.
Oklahoma	14	T.																																0	0	T.
		A.																																0	0	A.
Oregon	60	T.																																0	0	T.
		A.																																0	0	A.
Pennsylvania	80	T.					2	5																				2						9	3	T.
		A.											1								2							1						4	3	A.
Rhode Island	8	T.																																0	0	T.
		A.																																0	0	A.
South Carolina	35	T.								5	3	1																		2			1	12	5	T.
		A.																																0	0	A.
South Dakota	41	T.																																0	0	T.
		A.																										1	1					2	2	A.
Tennessee	42	T.						2	6													1	5											14	4	T.
		A.																																0	0	A.
Texas	79	T.																									2		2	4				8	3	T.
		A.																																0	0	A.
Utah	39	T.																1																1	1	T.
		A.																																0	0	A.
Vermont	14	T.																																0	0	T.
		A.	1			1					1										2													5	4	A.
Virginia	39	T.												3				1																4	2	T.
		A.				1								1																				2	2	A.
Washington	54	T.														2																	1	3	2	T.
		A.																		1														1	1	A.
West Virginia	41	T.																																0	0	T.
		A.																																0	0	A.
Wisconsin	66	T.																		1		2	4											7	3	T.
		A.	1												1		1	2	2	1				1	1			1	1	1				13	11	A.
Wyoming	12	T.																					1											1	1	T.
		A.																										1	1					2	2	A.
Sums	2,622	T.	1	0	2	0	19	30	31	23	9	4	2	6	3	6	18	35	5	2	9	38	92	1	2	9	25	6	2	7	0	0	3	390		T.
		A.	18	3	0	3	0	1	0	1	3	3	2	4	4	1	3	15	4	3	16	2	1	3	2	2	3	8	5	4	6	0	2	122		A.

TABLE XI.—*Hourly sunshine as deduced from sunshine recorders, January*, 1895.

Stations.	Instrument.	Percentages for each hour of local mean time ending with the respective hour. A. M. 5	6	7	8	9	10	11	Noon	P. M. 1	2	3	4	5	6	7	8	Monthly summary. Instrumental record. Actual.	Possible.	Per cent of possible.	Personal estimate.
																		Hours.	*Hours.*		
Atlanta, Ga.	T.	.....	.....	.....	19	26	35	51	52	53	50	52	49	39	33	.....	.....	134.2	317.1	42	39
Baltimore, Md.	T.	.....	.....	.....	27	49	53	65	74	69	60	56	45	39	39	.....	.....	162.4	308.1	54	44
Bismarck, N. Dak.	P.	.....	.....	.....	40	42	58	55	55	48	57	52	47	44	30	.....	.....	141.6	280.1	51	40
Boston, Mass.	T.	.....	.....	.....	38	42	45	47	50	49	55	59	54	48	33	.....	.....	142.3	295.4	49	40
Buffalo, N. Y.	T.	.....	.....	.....	1	8	21	33	40	41	40	36	36	21	11	.....	.....	85.3	294.0	29	20
Chicago, Ill.	T.	.....	.....	.....	29	24	47	54	58	58	55	49	35	41	9	.....	.....	135.5	296.4	46	42
Cincinnati, Ohio	P.	.....	.....	.....	32	38	37	47	46	47	47	49	40	35	47	.....	.....	128.5	304.1	42	38
Cleveland, Ohio	P.	.....	.....	.....	7	14	24	30	28	30	34	33	22	14	5	.....	.....	72.6	297.0	24	26
Columbus, Ohio	T.	.....	.....	.....	0	13	31	39	50	47	42	40	29	21	46	.....	.....	97.5	301.6	32	28
Denver, Colo.	P.	.....	.....	.....	64	69	80	84	79	76	84	80	68	44	2	.....	.....	219.6	301.9	73	55
Des Moines, Iowa	T.	.....	.....	.....	41	47	47	62	67	75	68	61	51	55	47	.....	.....	172.2	297.0	58	52
Detroit, Mich.	T.	.....	.....	.....	22	19	38	43	60	68	64	61	41	31	42	.....	.....	135.0	294.1	46	37
Dodge City, Kans.	P.	.....	.....	.....	37	49	52	48	44	60	69	64	49	41	30	.....	.....	157.6	307.2	51	50
Eastport, Me.	P.	.....	.....	.....	40	41	50	48	42	45	47	47	39	37	67	.....	.....	126.0	286.1	44	36
Galveston, Tex.	P.	.....	.....	29	32	47	54	57	59	55	57	56	52	40	18	.....	.....	161.5	326.2	50	51
Helena, Mont.	P.	.....	.....	.....	12	14	34	41	36	33	41	45	30	21	0	.....	.....	90.9	281.0	32	33
Kansas City, Mo.	P.	.....	.....	.....	62	52	55	62	60	64	61	47	46	58	73	.....	.....	173.2	308.5	57	55
Key West, Fla.	T.	.....	.....	59	63	69	75	86	89	90	93	91	80	68	64	.....	.....	264.8	334.1	79	65
Little Rock, Ark.	T.	.....	.....	.....	33	34	39	38	41	43	40	41	34	29	35	.....	.....	117.1	314.8	37	29
Louisville, Ky.	T.	.....	.....	.....	32	38	38	40	45	45	43	40	46	48	58	.....	.....	128.1	305.9	42	33
Marquette, Mich.	T.	.....	.....	.....	7	16	38	61	73	82	73	55	42	22	0	.....	.....	142.4	280.9	51	27
Memphis, Tenn.	P.	.....	.....	.....	45	48	51	45	42	39	37	29	32	28	41	.....	.....	124.3	314.6	40	40
New Haven, Conn.	T.	.....	.....	.....	43	41	52	60	65	74	73	62	53	41	12	.....	.....	168.8	297.6	57	50
New Orleans, La.	T.	.....	.....	8	10	27	48	52	54	51	47	45	45	35	32	.....	.....	138.6	326.0	42	41
New York, N. Y.	T.	.....	.....	.....	32	50	60	71	77	80	80	81	70	47	47	.....	.....	198.0	298.5	66	38
Norfolk, Va.	T.	.....	.....	.....	41	59	66	77	75	74	70	68	68	56	35	.....	.....	202.5	309.2	65	55
Philadelphia, Pa.	T.	.....	.....	.....	33	44	55	59	64	67	65	50	52	42	29	.....	.....	161.4	301.2	54	38
Portland, Me.	T.	.....	.....	.....	19	43	57	61	64	66	62	60	51	22	14	.....	.....	158.0	290.8	53	45
Portland, Oreg.	T.	.....	.....	.....	4	5	15	28	37	37	35	29	16	13	0	.....	.....	66.7	287.3	23	25
Do	P.	.....	.....	.....	4	4	15	21	24	16	18	13	7	6	0	.....	.....	38.5	287.3	13	25
Rochester, N. Y.	T.	.....	.....	.....	7	7	25	29	42	45	47	43	32	31	78	.....	.....	93.6	293.8	32	28
St. Louis, Mo.	T.	.....	.....	.....	36	39	56	63	65	74	70	70	67	67	82	.....	.....	187.7	304.5	62	59
Salt Lake City, Utah	T.	.....	.....	.....	13	14	35	55	68	58	62	49	35	26	5	.....	.....	126.3	296.9	43	20
San Diego, Cal.	P.	.....	.....	40	52	61	74	72	68	68	68	73	67	57	53	.....	.....	210.3	318.2	66	58
San Francisco, Cal.	T.	.....	.....	.....	26	56	65	75	71	76	75	72	55	36	43	.....	.....	188.3	307.0	61	44
Santa Fe, N. Mex.	P.	.....	.....	.....	49	63	72	72	71	75	66	70	64	62	56	.....	.....	207.1	312.3	66	55
Savannah, Ga.	P.	.....	.....	25	39	44	54	51	54	52	54	54	52	39	39	.....	.....	156.5	320.5	49	41
Seattle, Wash.	T.	.....	.....	.....	10	10	16	22	42	42	40	27	21	15	.....	.....	.....	71.9	277.3	26	18
Spokane, Wash.	P.	.....	.....	.....	10	18	20	27	29	24	30	29	28	2	.....	.....	.....	67.2	275.3	24	18
Tucson, Ariz.	P.	.....	.....	71	64	67	66	60	59	65	73	73	68	63	60	.....	.....	210.5	319.8	66	50
Vicksburg, Miss.	T.	.....	.....	25	16	20	29	30	39	43	52	53	51	52	53	.....	.....	124.3	319.8	39	37
Washington, D. C.	P.	.....	.....	.....	28	39	44	48	38	30	33	41	44	42	47	.....	.....	118.4	304.3	39	36
Wilmington, N. C.	T.	.....	.....	.....	32	48	54	61	61	61	59	49	49	38	29	.....	.....	160.0	315.5	51	47

TABLE XII.—*Hourly precipitation, January*, 1895.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Total.
Atlanta, Ga.*	0.02	0.04	0.05	0.49	0.27	0.12	0.21	0.15	0.04	0.07	0.12	0.29	0.18	0.55	0.32	0.43	0.63	0.48	0.28	0.07	0.01	0.01	0.02	0.04	5.58
Baltimore, Md.*	0.19	0.21	0.22	0.50	0.13	0.14	0.06	0.05	0.07	0.14	0.08	0.15	0.22	0.15	0.16	0.14	0.12	0.13	0.14	0.38	0.26	0.51	0.25	0.18	4.67
Boston, Mass.	0.12	0.06	0.10	0.21	0.37	0.14	0.14	0.15	0.22	0.24	0.15	0.16	0.16	0.15	0.16	0.25	0.19	0.13	0.11	0.16	0.12	0.12	0.11	0.11	3.83
Buffalo, N. Y.	0.12	0.13	0.14	0.16	0.14	0.17	0.16	0.15	0.25	0.29	0.28	0.31	0.22	0.17	0.21	0.21	0.20	0.13	0.14	0.20	0.12	0.16	0.23	0.15	4.44
Cincinnati, Ohio*	0.45	0.26	0.22	0.26	0.16	0.14	0.09	0.04	0.05	0.08	0.12	0.07	0.14	0.23	0.30	0.36	0.39	0.50	0.22	0.29	0.31	0.35	0.61	0.42	6.06
Cleveland, Ohio*	0.08	0.13	0.12	0.10	0.10	0.08	0.05	0.08	0.03	0.05	0.20	0.10	0.05	0.06	0.11	0.09	0.06	0.08	0.12	0.12	0.09	0.12	0.14	0.10	2.34
Detroit, Mich.*	0.13	0.11	0.07	0.08	0.09	0.08	0.09	0.11	0.15	0.12	0.07	0.08	0.06	0.07	0.06	0.17	0.08	0.09	0.08	0.15	0.17	0.22	0.21	0.22	2.76
Eastport, Me.	0.03	0.02	0.02	T.	0.00	0.02	0.07	0.10	0.06	0.12	0.07	0.09	0.09	0.05	0.10	0.14	0.14	0.06	0.06	0.07	0.06	0.07	0.08	0.08	2.62
Galveston, Tex.	T.	T.	T.	0.01	T.	0.55	0.01	0.25	0.08	0.10	T.	T.	T.	T.	T.	T.	T.	T.	0.17	T.	0.02	0.05	T.	T.	1.19
Jacksonville, Fla.	0.29	0.04	0.15	0.15	0.66	0.10	0.10	0.10	0.05	0.04	0.11	0.06	0.07	1.23	0.20	0.19	0.19	0.16	0.02	0.09	0.15	0.18	0.13	0.17	4.63
Jupiter, Fla.	0.04	T.	0.28	0.09	0.24	0.02	0.02	0.03	0.02	T.	0.07	0.45	0.87	0.36	0.00	T.	0.08	0.00	0.00	T.	0.00	0.26	0.35	0.12	3.25
Key West, Fla.	0.22	0.00	0.00	0.00	0.00	0.21	0.00	T.	T.	0.01	0.01	0.02	0.51	0.26	T.	0.11	0.01	0.00	T.	0.00	0.13	1.16	0.42	0.19	3.26
Little Rock, Ark.	0.89	0.61	0.48	0.50	0.38	0.06	0.06	0.17	0.12	0.14	0.09	0.12	0.11	0.20	0.28	0.12	0.05	0.13	0.17	0.07	0.35	0.85	0.86	0.26	7.04
Louisville, Ky.*	0.46	0.20	0.14	0.17	0.11	0.12	0.13	0.13	0.15	0.11	0.26	0.18	0.19	0.26	0.17	0.19	0.12	0.15	0.12	0.11	0.13	0.18	0.38	0.38	4.54
Memphis, Tenn.	0.16	0.16	0.56	0.35	0.54	0.25	0.19	0.83	0.51	0.18	0.20	0.28	0.13	0.06	0.05	0.26	0.42	0.19	0.28	0.09	0.12	0.04	0.02	0.07	5.94
Nantucket, Mass.*	0.09	0.12	0.10	0.07	0.09	0.13	0.40	0.38	0.19	0.28	0.29	0.18	0.20	0.20	0.12	0.08	0.06	0.08	0.07	0.16	0.17	0.20	0.14	0.09	3.39
New Orleans, La.*	0.04	0.04	0.11	0.03	0.02	T.	T.	0.11	T.	0.01	0.06	0.04	0.15	0.33	0.53	0.50	0.65	0.35	0.04	0.06	0.03	0.18	1.07	0.23	7.16
New York, N. Y.	0.30	0.33	0.21	0.36	0.53	0.73	0.12	0.20	0.14	0.11	0.28	0.19	0.15	0.09	0.35	0.19	0.14	0.12	0.11	0.07	0.09	0.12	0.31	0.42	5.66
Norfolk, Va.	0.18	0.06	0.05	0.03	0.30	0.14	0.15	0.10	0.17	0.12	0.19	0.14	0.63	0.32	0.11	0.03	0.07	0.09	0.11	0.25	0.31	0.33	0.26	0.25	4.39
Philadelphia, Pa.*	0.10	0.11	0.19	0.42	0.22	0.08	0.09	0.13	0.21	0.25	0.21	0.11	0.14	0.15	0.13	0.15	0.15	0.17	0.25	0.09	0.06	0.24	0.25	0.16	4.06
Portland, Oreg.*	0.26	0.25	0.27	0.28	0.27	0.26	0.31	0.26	0.43	0.45	0.49	0.39	0.41	0.48	0.57	0.43	0.32	0.34	0.34	0.35	0.39	0.33	0.32	0.34	8.54
St. Louis, Mo.‡	0.02	0.01	0.02	0.01	0.03	0.08	0.01	0.01	0.04	0.04	0.05	0.05	0.05	T.	0.01	0.07	0.02	T.	T.	0.03	0.03	0.03	0.01	T.	0.63
St. Paul, Minn.	0.07	0.05	0.04	0.04	0.08	0.01	0.02	0.03	0.01	0.12	0.10	0.12	0.08	0.05	0.02	0.01	0.02	0.02	0.01	0.01	0.02	T.	0.08	0.04	1.06
San Diego, Cal.*	0.11	0.56	0.22	0.16	0.19	0.13	0.22	0.17	0.46	0.42	0.30	0.11	0.09	0.17	0.56	0.36	0.31	0.25	0.14	0.07	0.22	0.45	0.16	0.09	7.18
San Francisco, Cal.	0.35	0.16	0.36	0.45	0.14	0.26	0.33	0.40	0.33	0.21	0.14	0.13	0.35	0.39	0.46	0.28	0.34	0.52	0.39	0.33	0.15	0.07	0.04	0.25	6.33
Savannah, Ga.	0.28	0.55	0.60	0.17	0.15	0.22	0.32	0.46	0.32	0.31	0.22	0.18	0.18	0.10	0.11	0.18	0.18	0.05	0.05	0.04	0.04	0.06	0.10	0.11	5.02
Seattle, Wash.	0.23	0.25	0.12	0.21	0.46	0.38	0.26	0.31	0.18	0.22	0.35	0.36	0.39	0.29	0.18	0.13	0.08	0.09	0.04	0.11	0.20	0.19	0.17	0.21	5.97
Vicksburg, Miss.	1.24	0.16	0.15	0.14	0.00	0.00	T.	0.34	0.39	0.85	0.34	0.13	0.56	0.07	0.06	0.02	0.07	0.21	0.48	0.46	0.36	0.17	0.15	0.21	6.56
Washington, D. C.	0.51	0.27	0.16	0.13	0.10	0.06	0.04	0.10	0.12	0.09	0.06	0.23	0.20	0.11	0.11	0.07	0.07	0.14	0.21	0.32	0.24	0.39	0.29	0.34	4.36
Wilmington, N. C.	0.12	0.08	0.08	0.11	0.12	0.08	0.14	0.27	0.11	0.20	0.16	0.19	0.14	0.10	0.16	0.14	0.09	0.19	0.16	0.24	0.20	0.30	0.44	0.80	4.80

* Record incomplete. ‡ Record for 26 days.

TABLE XIII.—*Excessive precipitation, by stations, for January*, 1895.

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		
		Amt.	Day.	Amt.	Time.	Day.
Alabama.	*Inches.*	*Inches.*		*Ins.*	*h.m.*	
Cordova		3.20	7-8			
Daphne		2.82	15-16			
Demopolis		3.27	8			
Elba		2.70	15	2.70	1 00	15
Do		2.75	24			
Florence *a*		4.08	7-8			
Florence *b*		2.77	7			
Greensboro		4.00	7	4.00	4 00	7
Livingston		3.83	7-8			
Maple Grove	10.90	2.50	7-8			
Marion		2.60	7-8			
Oxanna		3.55	7			
Scottsboro	10.76	2.62	8			
Do		2.64	19-20			
Union		3.90	8			
Wilsonville		3.40	6-7			
Arizona.						
Flagstaff	12.60	2.80	16			
Arkansas.						
Arkadelphia		2.50	20			
Helena *a*		2.99	15			
Do		3.45	19-20			
Hot Springs *b*		2.75	6-7			
Little Rock		3.13	6-7	1.00	0 52	6
New Gascony		2.80	19-20			
Stuttgart		3.75	19-20			
California.						
Berkeley	10.88					
Bear Valley	29.22	4.70	4			
Do		9.00	16-18			
Cape Mendocino Lighthouse	12.00					
Chicago Park	18.17	4.88	3-4			
Chico	11.77					
Cloverdale	26.45	5.80	4			
Do		2.67	7			
Do		8.64	21-22			
Crescent City	12.16					
Crescent City Lighthouse	11.40					
Delta	18.55					
Dunnigan	10.38					
Edmanton	26.11	3.70	4			
Do		6.03	21-22			
Escondido	10.55					
Fall Brook	12.52	3.19	18-19			
Folsom City *b*	11.24	3.41	3-4			
Fordyce Dam	31.34	6.48	4			
Do		3.05	8			
Do		2.85	16			
Do		2.52	18			
Do		7.43	21-22			
Fort Ross	28.50					
Georgetown	20.52	2.75	5			
Grass Valley	22.26	6.31	4			
Greenville	23.63	6.16	3-4			
Do		2.50	17			
Do		2.86	21			
Healdsburg	27.69	6.19	2-4			
Do		12.51	21-23			
Hendersons Ranch		3.00	19			
Hydesville	10.45					
Iowa Hill	18.64	5.05	3-5			
Jackson	12.04	3.12	4			
Julian	16.32	3.60	17			
Kennedy Gold Mine	13.11					
Kono Tayee	14.45	4.22	22			
La Porte	22.01					
Lick Observatory	10.00					
Los Gatos *b*	14.67	4.55	4			
Malakoff Mine	24.40	8.10	3-4			
Mariposa	11.79	3.67	4			
Middletown	28.90	8.36	2-5			
Mills College		2.95	4			
Mokelumne Hill	10.06					
Mount Glenwood	15.40	5.00	3-4			
Nevada City	22.87	6.00	4			
Newcastle *a*	13.10	3.70	4			
Oakland *a*	11.32					
Oleta	13.25	3.95	4			
Ontario *b*	10.65					
Orangevale		2.85	4			
Ormonde	22.23	7.71	3-4			
Do		3.40	17			
Oroville *b*	11.92					
Palermo	10.08	3.13	4			
Pilot Creek	20.54	3.96	4			
Do		5.65	16-17			
Placerville *b*	17.85	4.18	4			
Do		3.76	16			
Point Arena Lighthouse	13.61					
Point Bonita Lighthouse	12.16					
Point George Lighthouse	10.04					
Poway	12.65	3.05	15			
Redding *b*	12.84					
Represa	11.36					
Rosewood	11.93	2.66	20-21			
Sacramento (W. B)		2.66	3-4			
Sacramento *a*		2.89	3-4			
San Luis Obispo		2.63	4-5			
San Rafael	18.75	6.15	3			
Do		2.70	7			
Do		2.60	21			

TABLE XIII.—*Excessive precipitation*—Continued.

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		
		Amt.	Day.	Amt.	Time.	Day.
California—Cont'd.	*Inches.*	*Inches.*		*Ins.*	*h.m.*	
Santa Rosa	18.42					
Shasta Springs	11.82					
Skye Valley	15.74	4.50	16			
Summerdale	16.04	3.45	4			
Do		2.55	18			
Susanville	10.29	3.40	3-4			
Tehama	11.23					
Truckee	11.73					
Ukiah	19.20	4.07	4			
Do		5.70	21-22			
Upper Mattole	23.37	4.41	4			
Do		3.80	13			
Vacaville	12.81	4.51	3-4			
Walnut Creek		3.50	4			
West Point	14.80					
Wheatland		2.50	4			
Wire Bridge	14.44					
Colorado.						
Rico		2.53	17			
Ruby	14.44	3.62	17			
Florida.						
Jacksonville				1.13	1 00	16
Jupiter				1.00	1 00	26
Key West				1.22	1 00	9
Lake City		3.40	16			
Moseley Hall		2.75	8-9			
Do		2.53	16			
Georgia.						
Adairsville		3.41	8			
Alapaha	10.77					
Albany	10.40	3.05	15-16			
Blakely	10.10	3.25	16			
Brag		3.47	9			
Camak		3.39	9-10			
Clayton	10.49	2.58	9			
Dahlonega	10.44					
Dublin *b*		2.60	9			
Do		2.85	25			
Hawkinsville		3.40	9			
Do		2.80	25			
Louisville		2.96	26			
Macon *b*		3.80	8-9			
Marshallville		2.80	8-9			
Do		2.51	25			
Millen		2.71	25			
Monticello		2.50	10			
Piscola	11.75	3.20	8-9			
Do		3.00	16			
Quitman	11.64	3.70	8-9			
Do		2.63	25-26			
Rome	10.29	3.80	7-8			
Thomasville	10.17					
Idaho.						
Fort Sherman		2.70	4			
Indiana.						
Butlerville		4.06	6-7			
Huntingburg	12.50	10.00	5-6			
Madison		4.89	6-7			
Marengo		5.50	6			
Seymour		3.35	6			
Shelbyville		2.75	5			
Sunman		3.00	6			
Vevay		4.55	6-7			
Louisiana.						
Donaldsonville		2.79	6-7			
Emilie		5.10	7			
Franklin		3.25	7-8			
New Orleans		3.99	7-8	1.12	1 00	7
Paincourtville		3.10	7-8			
Southern University		7.20	7-8			
Sugar Experiment Station		5.65	7-8			
Thibodeaux		3.20	7-8			
West End		6.60	7-8			
Mississippi.						
Agricultural College		3.41	7			
Canton		3.18	7-8			
French Camps		2.57	7			
Louisville		3.33	7-8			
Macon		3.03	7-8			
Meridian		4.41	7-8	2.50	2 00	7
Moss Point		3.60	14			
Palo Alto	10.92					
Topton		4.80	7-8			
Vicksburg		2.68	7-8	1.15	1 00	15-16
Waynesboro *a*		3.10	7-8			
Woodville		3.08	25			
Nevada.						
Palmetto		2.80	18			
North Carolina.						
Fair Bluff		3.34	9-10			
Louisburg		3.20	8-9			
Lynn		2.60	10			
Lumberton		3.50	10			
Moncure		2.77	8-9			
Pittsboro		2.80	9			
Do		2.85	11			
Rockingham		4.58	8-9			
Saxon		3.60	8-9			
Ohio.						
Cincinnati		3.57	6-7			
Fayetteville		3.25	6-7			

TABLE XIII.—*Excessive precipitation*—Continued.

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		
		Amt.	Day.	Amt.	Time.	Day.
Oregon.	*Inches.*	*Inches.*		*Ins.*	*h. m.*	
Albany *a*	12.25	3.05	2			
Astoria	14.84	4.93	2-3			
Aurora	10.54					
Bandon	22.74	2.99	2			
Do		4.07	12			
Do		3.00	21			
Cascade Locks	12.71					
Cornelius	11.99					
Corvallis *a*	11.65	3.00	2			
Corvallis (near)	13.96					
Detroit	14.10	2.91	2			
Gardiner	17.03	3.50	4			
Do		3.12	12			
Glenora	23.53	6.70	4-5			
Do		4.32	12			
Hood River (near)	10.85					
Hubbard	11.08	2.62	3			
Lafayette	10.42					
Langlois	24.73	5.30	12			
McMinnville *a*	11.42					
Mount Angel	11.21	3.10	2			
Nehalem	19.47					
Newport	13.68	2.82	3			
Portland		2.80	2-3			
Salem *b*	13.72	2.68	3			
Sheridan	13.29					
Silverton	10.87					
Siskiyou	10.10					
Springbrook	12.32	3.20	2			
West Fork	13.04					
South Carolina.						
Blackville		2.61	25-26			
Camden		2.60	7-8			
Central		3.38	15-16			
Columbia		2.80	8-9			
Conway		3.80	9-10			
Georgetown		3.05	17			
Greenwood	11.68	9.12	8-10			
Little Mountain		2.77	8-9			
Longshore		4.95	8-9			
Mount Carmel		2.57	9-10			
Pinopolis		2.82	25-26			
St. George		2.55	30-31			
St. Stephens		2.70	25-26			
Santuck		2.62	8			
Statesburg		3.21	9			
Trenton		2.64	8-9			
Watts	10.20	5.40	9-10			
Tennessee.						
Byrdstown		2.51	7-8			
Lynnville		2.58	7			
Memphis		2.70	14-15			
Palmetto		3.07	7			
Parkville		3.50	8			
Tullahoma		3.00	7			
Texas.						
Grape Vine				1.74	0 30	24
Longview		6.00	24-25			
Marshall		5.80	24-25			

TABLE XIII.—*Excessive precipitation*—Continued.

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		
		Amt.	Day.	Amt.	Time.	Day.
Virginia.	*Inches.*	*Inches.*		*Ins.*	*h. m.*	
Avon		2.50	8			
Lexington		2.51	9-10			
Lynchburg		2.80	9-10			
Washington.						
Aberdeen	10.89					
Cascade Tunnel	13.04					
East Clallam	15.44	3.10	9-10			
Do		2.50	12			
Fort Canby	11.52	4.29	2-3			
Index	13.21					
Neah Bay	13.44	2.85	9-10			
Pysht	12.07	2.67	9-10			
Tatoosh Island	12.50	2.58	9-10			
Union City	12.25					

TABLE XIV.—*Maximum rainfall in one hour or less, January*, 1895.

Stations.	Maximum rainfall in—					
	5 min.	Date.	10 min.	Date.	1 hour.	Date.
	Inch.		*Inch.*		*Inch.*	
Atlanta, Ga.*	0.10	21, 28	0.16	21	0.40	28
Baltimore, Md.*	0.15	26	0.30	26	0.45	26
Boston, Mass	0.05	11	0.09	11	0.27	11
Buffalo, N. Y	0.02	10	0.08	10	0.12	10
Cincinati, Ohio*	0.08	6	0.13	6	0.47	6
Cleveland, Ohio*	0.01	10	0.02	10	0.10	10
Detroit, Mich.*	0.01	21	0.02	21	0.08	21
Eastport, Me	0.03	22	0.04	22	0.11	22
Galveston, Tex	0.20	28	0.30	28	0.54	28
Jacksonville, Fla	0.35	16	0.50	16	1.13	16
Jupiter, Fla	0.21	26	0.30	26	1.00	26
Key West, Fla	0.22	9	0.39	9	1.22	9
Little Rock, Ark	0.20	6	0.28	7	1.00	6
Louisville, Ky.*	0.05	7	0.10	7	0.31	7
Memphis, Tenn	0.10	21	0.15	21	0.40	7
Nantucket, Mass	0.09	11	0.15	11	0.25	11
New Orleans, La.*	0.40	7	0.67	7	1.12	7
New York, N. Y	0.09	26	0.18	26	0.72	26
Norfolk, Va	0.10	8, 10	0.15	10	0.46	8
Philadelphia, Pa.*	0.04	10, 26	0.08	26	0.38	26
Portland, Oreg	0.05	12	0.09	12	0.20	12
St. Paul, Minn	0.02	18	0.03	18	0.12	18
San Diego, Cal.*	0.20	19	0.25	19	0.42	16
San Francisco, Cal	0.07	16	0.10	16	0.31	16
Savannah, Ga	0.08	9	0.16	9	0.42	9
Seattle, Wash	0.03	11, 12	0.05	11, 12	0.20	12
Vicksburg, Miss	0.50	16	0.72	16	1.07	16
Washington, D. C	0.07	26	0.10	26	0.39	26
Wilmington, N. C	0.12	25	0.22	25	0.51	25

* Record incomplete.

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