England, the lower Lake region, and the middle Pacific districts; elsewhere it was above the normal, with decided departures in the east Gulf States, Missouri Valley, and the slope districts.

SUNSHINE AND CLOUDINESS.

The cloudiness was above the average in the South Atlantic and Gulf States; the upper Mississippi and Missouri valleys; the slope and northern Plateau regions, and the North Pacific and South Pacific districts; elsewhere it was below the average.

The distribution of sunshine is graphically shown on Chart VII, and the numerical values of average daylight cloudiness, both for individual stations and by geographical districts, appear in Table I.

The averages for the various districts, with departures from the normal, are shown in the following table:

Average cloudiness and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England	3.6	− 1.9	Missouri Valley	5.6	+ 0.2
Middle Atlantic	4.2	− 1.0	Northern Slope	5.5	+ 0.1
South Atlantic	5.2	+ 0.8	Middle Slope	5.9	+ 1.1
Florida Peninsula	4.1	− 0.4	Southern Slope	4.8	+ 0.3
East Gulf	5.8	+ 1.5	Southern Plateau	3.0	+ 0.8
West Gulf	5.5	+ 0.6	Middle Plateau	4.0	− 0.1
Ohio Valley and Tennessee	5.0	− 0.1	Northern Plateau	5.0	− 0.6
Lower Lake	3.7	− 1.5	North Pacific	6.7	+ 0.8
Upper Lake	5.4	− 0.1	Middle Pacific	2.9	− 1.3
North Dakota	5.1	− 0.2	South Pacific	4.4	+ 0.2
Upper Mississippi Valley	6.0	+ 0.8			

ATMOSPHERIC ELECTRICITY.

Numerical statistics relative to auroras and thunderstorms are given in Table IV, which shows the number of stations from which meteorological reports were received, and the number of such stations reporting thunderstorms (T) and auroras (A) in each State and on each day of the month, respectively.

Thunderstorms.—Reports of 5690 thunderstorms were received during the current month as against 6425 in 1902 and 2677 during the preceding month.

The dates on which the number of reports of thunderstorms for the whole country was most numerous were: 28th, 411; 22d, 393; 27th, 339; 21st, 332.

Reports were most numerous from: Missouri, 506; Iowa, 441; Nebraska, 374; Ohio, 301.

Auroras.—The evenings on which bright moonlight must have interfered with observations of faint auroras are assumed to be the four preceding and following the date of full moon, viz: 7th to 15th.

In Canada: Thunderstorms were reported at Grand Manan, 20, 21; Yarmouth, 21; Father Point, 21, 28; Quebec, 18, 20, 21; Bissett, 18, 19, 21, 27, 28; Kingston, 28; Toronto, 18, 27; White River, 18; Port Stanley, 20, 24, 26, 27, 28; Saugeen, 21; Parry Sound, 21, 26, 27; Port Arthur, 19; Winnipeg, 17; Medicine Hat, 24, 26; New Westminster, 14; Hamilton, Bermuda, 6.

Auroras were reported from Minnedosa on the 24th and 29th.

WIND.

The maximum wind velocity at each Weather Bureau station for a period of five minutes is given in Table I, which also gives the altitude of Weather Bureau anemometers above ground.

Following are the velocities of 50 miles and over per hour registered during the month:

Maximum wind velocities.

Stations.	Date.	Velocity.	Direction.	Stations.	Date.	Velocity.	Direction.
Bismarck, N. Dak	21	52	se.	Point Reyes Light, Cal.	6	50	nw.
Buffalo, N. Y	3	53	sw.	Do	9	66	nw.
Cape Henry, Va	22	52	nw.	Do	10	58	nw.
Do	24	60	n.	Do	14	64	nw.
Charleston, S. C	9	53	ne.	Do	15	89	nw.
Chicago, Ill	25	72	sw.	Do	16	94	nw.
Do	27	66	sw.	Do	17	89	nw.
Columbus, Ohio	22	52	nw.	Do	18	68	nw.
Do	23	50	w.	Do	19	60	nw.
Do	24	60	nw.	Do	20	58	nw.
Dodge, Kans	20	72	s.	Do	21	64	nw.
El Paso, Tex	4	52	w.	Do	22	59	nw.
Fort Worth, Tex	27	50	s.	Do	23	55	nw.
Huron, S. Dak	21	60	se.	Do	26	61	nw.
Lincoln, Nebr	26	76	nw.	Do	27	66	nw.
Miles City, Mont	8	54	sw.	Do	28	66	nw.
Minneapolis, Minn	22	50	se.	Do	31	65	nw.
Mount Tamalpais, Cal	10	52	nw.	Rapid City, S. Dak	21	56	w.
Do	11	55	nw.	Sioux City, Iowa	9	51	w.
Do	12	50	nw.	Do	17	50	s.
Do	13	56	nw.	Do	18	51	sw.
Do	14	59	nw.	Do	21	72	se.
Do	15	90	nw.	Do	22	60	s.
Do	16	79	nw.	Tatoosh Island, Wash	15	51	sw.
Do	17	67	nw.	Valentine, Nebr	21	76	sw.
Do	19	56	nw.	Williston, N. Dak	7	54	w.
Do	20	74	nw.	Do	15	56	nw.
New York, N. Y	1	54	nw.	Do	22	66	e.
North Head, Wash	13	56	se.				

DESCRIPTION OF TABLES AND CHARTS.

By Mr. W. B. STOCKMAN, Forecast Official, in charge of Division of Meteorological Records.

Table I gives, for about 137 Weather Bureau stations making two observations daily and for about 31 others making only one 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 total depth of snowfall, and the mean wet-bulb temperatures. The altitudes of the instruments above ground are also given.

Table II gives, for about 2,800 stations occupied by voluntary and other cooperating observers, the highest maximum and the lowest 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 (....).

Table III gives, for all stations 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 the average resultant direction for that division can be obtained.

Table IV gives the total number of stations in each State from which meteorological reports of any kind have been received, and the number of such stations reporting thunderstorms (T) and auroras (A) on each day of the current month.

Table V gives a record of rains whose intensity at some period of the storm's continuance equaled or exceeded the following rates:

Duration, minutes	5	10	15	20	25	30	35	40	45	50	60	80	100	120
Rates per hour (ins.)	3.00	1.80	1.40	1.20	1.08	1.00	0.94	0.90	0.86	0.84	0.75	0.60	0.54	0.50

In the northern part of the United States, especially in the colder months of the year, rains of the intensities shown in the above table seldom occur. In all cases where no storm

of sufficient intensity to entitle it to a place in the full table has occurred, the greatest rainfall of any single storm has been given, also the greatest hourly fall during that storm.

Table VI gives, for about 30 stations furnished by the Canadian Meteorological Service, Prof. R. F. Stupart, director, the means of pressure and temperature, total precipitation and depth of snowfall, and the respective departures from normal values, except in the case of snowfall.

Table VII gives the heights of rivers referred to zeros of gages; it is prepared by the Forecast Division.

NOTES EXPLANATORY OF THE CHARTS.

Chart I, tracks of centers of high areas, and Chart II, tracks of centers of low areas, are prepared by the Forecast Division. The roman numerals show number and chronological order of highs (Chart I) and lows (Chart II). The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the observations at 8 a. m. and 8 p. m., seventy-fifth meridian time. Within each circle is also given (Chart I) the highest barometric reading and (Chart II) the lowest barometric reading at or near the center at that time, and in both cases as reduced to sea level and standard gravity.

Chart III.—Total precipitation. The scale of shades showing the depth of rainfall is given on the chart itself. For isolated stations the rainfall is given in inches and tenths, when appreciable; otherwise, a "trace" is indicated by a capital T, and no rain at all by 0.0.

Chart IV.—Sea-level pressure and resultant surface winds. The pressures have been reduced to sea level and standard gravity by the method fully described by Prof. Frank H. Bigelow on pages 13–16 of the REVIEW for January, 1902. The pressures have also been further reduced to the mean of the twenty-four hours by the application of a suitable correction, to the mean of the 8 a. m. and 8 p. m. readings, at stations taking two observations daily, and to the 8 a. m. or 8 p. m. observation, respectively, at stations taking but a single observation. The diurnal corrections so applied will be found in Table 27, Volume II, Annual Report of the Chief of Weather Bureau, 1900–1901, pp. 140–164.

The isotherms on the sea-level plane have been constructed by means of the data summarized in chapter 8 of Professor Bigelow's Report on the Barometry of the United States and Canada, which can be found in the Annual Report of the Chief of the Weather Bureau for 1900–1901, Volume II. The correction $t_0 - t$, or temperature on the sea-level plane minus the station temperature, by Table 48 of the Barometry Report, is added to the observed surface temperature to obtain the adopted sea-level temperature.

The wind directions are the computed resultants of observations at 8 a. m. and 8 p. m. daily. The resultant duration is shown by figures attached to each arrow.

Chart V.—Hydrographs for seven principal rivers of the United States, prepared by the Forecast Division.

Chart VI.—Surface temperatures; maximum, minimum, and mean of these. Lines of equal monthly mean temperature in red; lines of equal maximum temperature in black; and lines of equal minimum temperature (dotted) also in black.

Chart VII.—Percentage of sunshine. The average cloudiness at each Weather Bureau station is determined by numerous personal observations during the day. The difference between the observed cloudiness and 100, it is assumed, represents the percentage of sunshine, and the values thus obtained have been used in preparing Chart VII.

Chart VIII. Isobars and isotherms at 10,000 feet. The mean monthly station pressure for each station has been reduced to the 10,000-foot plane by entering Table 53, "Reduction of pressure to the sea level, the 3500 and 10,000-foot planes" pages 789–988, Barometry Report, with the temperature argument t corresponding to θ_2 and correcting the station pressure by the reduction $B_2 - B$ after applying the plateau correction, $C. \lrcorner \theta. H$, and the corrections for e and $\lrcorner A$, the argument t being the mean monthly air temperature. This reduction is fully described in Professor Bigelow's Report on the Barometry of the United States and Canada, pages 772 to 786 of the Annual Report of the Chief of Weather Bureau for 1900–1901, Volume II. The reduction for obtaining B_2 may also be found by using gradients from the station pressure to the height of 10,000 feet as set forth on pages 18 and 19, of the MONTHLY WEATHER REVIEW for January 1902.

The isotherms on the 10,000-foot plane have been computed by using the gradients for temperature for each month and station as shown by the Summary Table of Normals, Table 48, Chapter VIII, of Professor Bigelow's Report on the Barometry of the United States and Canada.

Chart IX.—Isobars and isotherms at 3500 feet. The pressure and temperature data entered on this chart are found by the method described for the same data on the 10,000 foot plane.

Chart X.—The total snowfall. This is based on the reports from regular and voluntary observers, and shows the depth of the snowfall during the month in inches. In general, the depth is shown by lines inclosing areas of equal snowfall, but in special cases figures are also given.

Chart XI.—Depth of snow on ground at the end of the month.

When there is no snow the last two charts may be replaced by others.

TABLE 1.—*Climatological data for Weather Bureau Stations, May, 1903.*

Stations.	Elevation of instruments.			Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.									Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Precipitation, in inches.			Wind.					Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.
	Barometer above sea level, feet.	Thermometers above ground.	Anemometer above ground.	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hrs.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.				Total.	Departure from normal.	Days with .01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.					
New England.							55.3	+ 1.4										71	0.80	— 2.7										3.6	
Eastport	76	69	82	30.03	30.11	+ .15	48.9	+ 1.4	76	29	57	28	2	41	33	44	41	81	2.52	— 1.2	6	7,512	sw.	32	nw.	1	14	11	6	4.5	
Portland, Me.	103	81	117	30.01	30.13	+ .16	53.3	— 0.3	87	18	62	30	2	45	32	48	42	67	0.68	— 2.9	4	7,353	s.	36	nw.	1	20	4	7	3.6	
Concord	298	70	79	29.81	30.13	+ .15	57.6	+ 1.0	89	18	72	27	2	43	43	....	....	....	0.57	— 2.6	4	3,949	n.	28	nw.	1	19	10	2	3.2	
Northfield	876	16	60	29.19	30.13	+ .16	54.2	+ 0.5	84	18	70	18	2	39	42	48	40	58	0.19	— 2.6	3	6,522	s.	34	nw.	1	17	12	2	3.5	T.
Boston	125	115	181	30.00	30.14	+ .16	58.5	+ 2.0	88	19	68	34	2	50	35	52	46	65	0.32	— 3.3	6	7,230	sw.	30	nw.	1	18	8	5	3.6	
Nantucket	12	43	85	30.13	30.15	+ .16	53.8	+ 1.3	77	19	61	36	2	47	25	50	48	84	0.93	— 2.6	6	9,225	sw.	41	ne.	5	12	15	4	4.3	
Block Island	26	11	60	30.13	30.16	+ .17	55.4	+ 3.0	81	19	62	38	2	48	23	51	48	79	0.86	— 2.9	6	9,448	sw.	49	nw.	1	16	12	3	3.7	
Narragansett	....	10	38	....	....	....	56.0	+ 1.4	85	22	66	32	2	47	29	....	....	....	0.80	— 3.2	4	....	se.	....	....	....	21	6	4	....	
New Haven	106	117	140	30.03	30.15	+ .16	59.8	+ 2.2	90	20	70	34	2	50	32	52	47	65	0.31	— 3.3	4	5,921	s.	33	nw.	1	23	6	2	2.2	
Mid. Atlantic States.							63.4	+ 1.8										69	1.26	— 2.4										4.2	
Albany	97	102	115	30.04	30.13	+ .15	62.2	+ 2.9	93	18	74	30	2	50	36	53	47	61	0.15	— 3.0	3	6,073	s.	30	w.	1	20	6	5	3.2	T.
Binghamton	875	79	90	29.22	30.15	+ .17	58.4	+ 1.6	88	18	72	23	2	45	38	....	....	....	0.42	— 3.7	6	4,553	s.	30	s.	3	18	8	5	3.4	T.
New York	314	108	350	29.80	30.14	+ .15	64.1	+ 4.6	91	20	72	40	2	56	28	55	50	67	0.33	— 2.8	5	7,398	e.	54	nw.	1	15	9	7	4.3	
Harrisburg	374	94	104	29.74	30.13	+ .15	64.4	+ 4.2	91	18	74	34	2	54	29	55	48	60	0.46	— 4.2	7	4,748	se.	33	nw.	1	13	8	10	4.8	
Philadelphia	117	168	184	30.02	30.15	+ .16	65.6	+ 3.6	92	20	76	36	2	56	29	57	52	70	0.93	— 2.3	11	7,158	ne.	36	nw.	1	12	9	10	4.8	
Scranton	805	111	119	29.29	30.15	+ .17	60.8	....	88	19	73	27	2	49	35	51	43	54	0.96	....	8	5,232	ne.	34	nw.	1	14	10	7	4.1	
Atlantic City	52	39	48	30.09	30.15	+ .17	59.6	+ 2.4	90	20	65	39	2	54	27	56	54	84	0.52	— 2.2	5	5,734	sw.	23	ne.	23	16	11	4	3.3	
Cape May	17	47	51	30.14	30.16	+ .17	60.1	+ 1.5	88	20	66	36	2	54	23	56	....	....	1.13	— 2.0	5	5,357	ne.	30	nw.	1	17	10	4	3.7	
Baltimore	123	69	117	29.99	30.13	+ .14	65.2	+ 1.0	92	20	75	37	2	56	29	58	52	67	3.33	— 0.4	7	5,336	se.	33	w.	22	12	9	10	5.2	
Washington	112	59	76	30.01	30.13	+ .13	64.4	+ 0.5	91	20	75	38	2	54	32	58	54	73	2.75	— 1.2	11	4,526	s.	34	nw.	1	17	7	7	4.3	
Cape Henry	18	11	58	30.09	30.11	+ .11	64.4	— 0.1	90	19	71	48	6	58	27	....	....	....	1.70	— 2.4	9	10,133	ne.	60	n.	24	10	8	16	5.5	
Lynchburg	681	83	88	29.36	30.10	+ .10	66.4	+ 0.4	93	24	78	37	2	55	34	58	53	67	1.13	— 2.8	7	2,987	e.	30	nw.	24	13	13	5	4.5	
Norfolk	91	102	111	30.03	30.13	+ .13	66.0	— 0.4	91	20	74	46	6	58	31	60	57	78	2.27	— 2.0	8	6,806	ne.	34	n.	24	10	15	6	4.5	
Richmond	144	82	90	29.98	30.13	+ .14	67.8	....	92	21	78	43	2	57	32	....	....	....	3.36	....	10	3,991	ne.	25	nw.	22	12	9	10	5.0	
Wytheville	2,293	40	47	27.74	30.12	+ .13	62.3	....	87	24	75	35	5	50	39	56	52	74	2.85	....	9	3,345	e.	17	nw.	1	15	14	2	3.1	
S. Atlantic States.							69.4	— 0.2										76	4.04	+ 0.1										5.2	
Asheville	2,255	53	75	27.78	30.08	+ .09	63.8	+ 1.2	90	24	74	39	1	53	33	57	54	74	1.14	— 2.5	10	5,357	se.	30	n.	1	7	17	7	5.2	
Charlotte	773	68	76	29.26	30.09	+ .10	69.8	+ 1.4	95	23	79	51	2	60	27	61	56	68	0.53	— 3.8	8	4,902	ne.	35	w.	23	10	8	13	5.4	
Hatteras	11	12	47	30.10	30.11	+ .10	67.8	+ 1.4	82	23	73	52	6	63	16	63	61	82	4.43	— 0.2	5	9,374	ne.	42	ne.	1	11	12	8	4.7	
Kittyhawk	8	12	30	....	....	....	65.4	— 0.6	90	*	72	45	6	59	27	....	....	....	0.72	— 3.0	3	10,154	ne.	....	....	....	17	10	4	3.5	
Raleigh	376	93	101	29.70	30.09	+ .10	68.8	+ 1.3	95	24	79	46	2	58	31	60	55	67	2.67	— 1.8	5	4,847	ne.	29	e.	9	13	10	8	4.5	
Wilmington	78	82	90	29.99	30.07	+ .06	69.2	— 0.5	92	24	78	47	2	61	27	63	60	78	2.90	— 1.3	8	6,795	ne.	32	ne.	9	11	12	8	4.9	
Charleston	48	14	92	30.02	30.07	+ .06	71.2	— 1.2	94	24	77	53	2	66	23	65	62	79	4.85	+ 0.8	11	10,081	ne.	53	ne.	9	8	13	10	5.7	
Columbia	351	114	122	29.70	30.08	+ .08	71.0	— 1.4	97	24	80	53	2	62	26	63	60	74	2.39	— 1.5	13	6,188	ne.	26	ne.	12	9	13	9	5.6	
Augusta	180	89	97	29.86	30.05	+ .06	71.6	— 0.4	95	24	80	57	3	63	27	64	60	73	3.69	+ 0.2	14	4,955	se.	24	e.	12	9	10	12	5.5	
Savannah	65	79	89	29.98	30.05	+ .05	71.8	— 1.1	96	24	78	59	8	66	23	66	63	82	6.30	+ 3.4	9	6,841	e.	35	ne.	8	10	9	12	5.6	
Jacksonville	43	101	129	29.95	29.99	— .01	72.5	— 2.4	93	26	79	60	9	66	21	67	64	83	14.80	+10.8	13	7,194	e.	31	e.	13	7	12	12	6.1	
Florida Peninsula.							76.1	— 0.9										73	1.80	— 1.8										4.1	
Jupiter	28	10	48	29.95	29.98	.00	76.0	+ 0.3	85	31	82	62	1	70	17	69	66	73	2.71	— 2.6	9	8,048	ne.	32	se.	7	14	16	1	4.2	
Key West	22	43	50	29.94	29.95	— .02	77.6	— 1.8	87	31	82	68	8	74	13	70	67	72	0.76	— 2.4	6	7,412	e.	36	nw.	8	16	9	6	4.2	
Tampa	34	60	67	29.94	29.97	— .02	74.8	— 1.2	94	26	84	61	3	66	25	67	64	75	1.92	— 0.5	5	4,476	ne.	23	s.	7	16	9	6	3.9	
East Gulf States.							70.8	— 1.6										78	3.23	— 1.0										5.8	
Atlanta	1,174	190	216	28.83	30.06	+ .07	68.5	— 0.3	90	24	76	44	1	60	22	61	58	77	3.59	+ 0.4	11	9,322	se.	48	w.	31	5	11	15	6.6	
Macon	370	93	99	29.65	30.04	+ .05	70.6	....	94	24	79	47	5	62	28	....	....	....	3.30	....	13	5,291	e.	26	ne.	9	11	1	19	6.3	
Pensacola	56	79	96	29.93	30.00	+ .01	71.3	— 2.2	85	25	77	56	1	66	18	....	....	....	2.24	— 1.1	11	6,786	e.	36	sw.	31	12	11	8	5.1	
Mobile	57	88	96	29.93	30.00	+ .01	79.9	— 2.7	85	25	78	53	1	64	22	66	64	82	5.40	+ 1.1	10	5,242	s.	24	sw.	31	9	14	8	5.3	
Montgomery	223	100	112	29.77	30.00	+ .01	70.8	— 2.0	91	26	79	48	1	62	28	64	61	76	6.11	+ 2.1	14	4,936	sw.	34	sw.	31	9	10	12	5.9	
Meridian	375	84	93	29.60	29.98	.00	69.7	— 0.7	89	26	79	43	1	60	34	....	....	....	1.42	— 3.4	8	4,244	ne.	32	nw.	30	11	9	11	5.7	
Vicksburg	247	62	74	29.67	29.92	— .05	70.8	— 1.8	87	20	79	44	1	62	23	64	60	75	2.75	— 2.2	8	5,118	e.	38	w.	30	5	17	9	5.4	
New Orleans	51	88	121	29.92	29.96	— .01	73.3	— 1.3	86	30	81	52	1	66	19	67	64	79	1.11	— 3.8	7	6,070	se.	26	n.	8	8	12	11	5.9	
West Gulf States.							70.7	— 1.9										77	3.35	— 1.0										5.5	
Shreveport	249	77	84	29.68	29.94	— .01	69.8	— 3.3	87	20	78	42	1	62	31	63	60	75	1.65	— 2.5	8	5,494	se.	23	s.	26	7	13	11	5.9	
Fort Smith	457	79	94	29.43	29.90	— .03	67.2	— 1.0	86	27	75	34	1	59	34	62	58	77	9.23	+ 4.5	13	6,677	e.	42	w.	26	4	18	9	6.0	
Little Rock	357	93	100	29.58	29.95	.00	68.6	— 0.7	84	21	76	39	1	61	32	62	58	75	5.72	0.0	10	5,735	s.	30	s.	20	7	16	8	5.2	
Corpus Christi	20	48	53	29.90	29.92	+ .02	74.4	— 1.0	86	8	79	51	1	69	23	69	66	80	2.25	— 1.0	6	9,596	se.	42	e.	10	9	18	4	4.8	
Fort Worth	670	106	114	29.23	29.94	+ .03	69.6	....	91	27	79	34	1	60	35	....	....	....	1.84	....	6	10,171	s.	50	s.	27	5	22	4	5.3	
Galveston	54	106	112	29.86	29.92	— .02	72.9	— 2.9	82	30	77	52	1	69	16	67	65	80	0.79	— 3.0	5	9,458	se.	38	nw.	11	10	17	4	5.0	
Palestine	510	73	79	29.40	29.92	— .01	69.7	— 1.6	86	16	78	39	1	62	32	63	60	77	1.89	— 4.0	10	6,285	s.	32	s.	27	3	16	12	6.2	
San Antonio	701	80	91	29.18	29.89	— .01	72.0	— 2.9	88	30	81	44	1	63	31	65	61	74	1.95	— 1.3	10	5,906	se.	32	ne.	10	8	7	16	5.9	
Taylor	583	55	63	29.31	29.92	+ .01	71.4	....	90	29	81	39	1	62	34	....	....	....	1.26	....	10	8,153	se.	34	se.	10	8	15	8	5.4	
Ohio Val. and Tenn.							67.8	+ 2.7										66	3.42	— 0.4										5.0	
Chattanooga	762	106	112	29.26	30.08	+ .09	68.4	+ 0.7	90	23	78	41	1	58	33	60	55	67	5.83	+ 1.9	11	5,112	ne	29	nw.	30	9	12	10	5.8	
Knoxville	1,004	35	88	29.01	30.05	+ .06	69.0	+ 2.8	92	23	80	40	1	58	36	60	55	65	3.09	— 0.8	5	5,466	sw.	30	se.	29	15	12	4	3.9	
Memphis	397	140	154	29.58	30.00	+ .04	69.4	— 0.8	87	25	77	40	1	62	27	63	60	75	4.76	+ 0.2	13	7,860	se.	40	nw.	29	5	14	12	6.3	
Nashville	546	122	134	29.47	30.06	+ .08	69.0	+ 0.7	90	26	79	39	1	59	34	61	56	70	5.64	+ 2.0	10	5,168	s.	30	s.	28	13	9	9	4.8	
Lexington	989	75	102	29.02	30.07	+ .08	67.7	+ 4.7	87	23	77	34	1	58	36	....	....	....	1.75	— 1.7	7	7,049	sw.	39	w.	20	9	16	6	5.2	
Louisville	525	114	136	29.48	30.05	+ .07	70.2	+ 4.1	90	22	81	36	1	60	34	59	53	60	2.23	— 1.5	7	5,600	s.	30	s.	27	10	14	7	5.1	
Evansville	431	72	82	29.55	30.02	+ .05	68.9	....	88	16	78	35	1	60	32	....	....	....	2.82	....	11	5,446	s.	44	sw.	27	8	15	8	5.3	
Indianapolis	822	154	164	29.18	30.06	+ .09	66.0	+ 2.8	85	22	76	34	1	57	31	58	54	69	3.73	— 0.4	11	7,795	s.	42	sw.	27	10	11	10	5.3	
Cincinnati	628	152	160	29.39	30.06	+ .07	67.4	+ 2.7	88	26	77	36	1	58	32	59	53	62	3.83	+ 0.4	10	4,565	se.	35	w.	19	11	8	12	5.4	
Columbus	824	173	190	29.20	30.07	+ .09	65.8	+ 3.8	88	17	77	34	2	55	35	57	51	62	2.18	— 2.1	7	7,790	e.	60	nw.	24	11	16	4	4.6	
Pittsburg	842	116	123	29.20	30.09	+ .10	66.4	+ 4.2	88	18	76	36	1	56	33	56	49	57	1.67	— 1.8	7	4,404	nw.	21	sw.	27	13	10	8	4.3	
Parkersburg	638	77	84	29.42	30.09	+ .10	67.0	+ 4.0	89	23	79	36	1	55	34	58	51	61	2.87	— 0.5	9	3,282	se.	40	nw.	24	14	13	4	4.0	
Elkins	1,940	41	50	28.09	30.12	+ .12	60.6	....	85	18	75	27	2	46	43	54	50	73	5.37	....	13	2,943	n.	33	nw.	3	9	17	5	5.2	T.
Lower Lake Region.							60.1	+ 3.4										65	1.45	— 2.0										3.7	
Buffalo	767	178	206	29.28	30.11	+ .14	60.4	+ 6.4	81	16	68	30	2	52	34	53	48	68	1.69	— 1.7	7	8,965	sw.	53	sw.	3	11	16	4	4.6	
Oswego	335	76	91	29.76	30.13	+ .16	56.2	+ 2.2	82	19	65	29	2	47	30	49	43	63	0.32	— 2.5	4	6,737	s.	36	nw.	1	20	8	3	2.6	T.
Rochester	523	81	102	29.56	30.13	+ .16	59.5	+ 3.2	86	19	70	29	2	49	32	51	45	62	0.53	— 2.8	5	5,863	ne.	36	sw.	28	18	7	6	3.4	T.
Syracuse	597	97	113	29.51	30.15	+ .17	58.6	....	86	19	69	26	2	48	32	....	....	....	0.28	....	5	8,307	s.	48	nw.	1	12	16	3	4.5	T.
Erie	713	92	102	29.33	30.09	+ .11	59.6	+ 2.9	84	26	68	32	1	52	34	53	47	65	3.20	— 0.6	8	7,917	e.	36	s.	3	21	7	3	3.9	T.
Cleveland	762	190	201	29.27	30.09	+ .11	60.8	+ 3.1	84	27	69	32	1	53	34	53	48	64	1.46	— 2.2	6	10,038	se.	45	s.	27	15	12	4	3.9	T.
Sandusky	629	62	70	29.42	30.10	+ .12	61.6	+ 3.1	86	26	70	32	2	54	33	....	....	....	1.43	— 2.0	6	5,996	ne.	38	w.	27	25	4	2	2.2	
Toledo	628	120	127	29.40	30.08	+ .11	62.1	+ 2.7	88	17	72	30	1	53	32	54	49	66	1.43	— 1.9	6	7,446	ne.	43	sw.	27	14	13	4	3.9	
Detroit	730	153	193	29.29	30.09	+ .12	60.8	+ 3.3	87	17	70	28	1	51	30	53	47	66	1.55	— 2.0	8	7,970	ne.	48	sw.	27	13	12	6	3.9	
Upper Lake Region.							54.2	+ 2.8										72	3.12	— 0.2										5.4	
Alpena	609	63	80	29.43	30.10	+ .13	52.5	+ 3.5	84	18	61	23	1	44	29	47	43	73	2.39	— 1.1	11	7,558	se.	39	nw.	28	10	9	12	5.6	T.
Escanaba	612	43	57	29.40	30.06	+ .09	50.6	+ 1.3	71	20	58	22	1	43	25	47	43	79	3.41	0.0	18	6,591	n.	28	s.	4	13	9	9	4.5	
Grand Haven	632	54	92	29.36	30.04	+ .08	58.8	+ 4.4	80	17	68	27	1	49	31	52	48	71	3.06	— 0.4	7	8,390	s.	36	s.	27	8	18	5	5.2	T.
Houghton	668	66	74	29.32	30.04	+ .07	51.3	....	89	17	61	26	1	42	35	....	....	....	4.85	....	17	4,675	s.	27	s.	23	11	10	10	5.1	0.3
Marquette	734	79	116	29.26	30.08	+ .11	51.9	+ 2.9	88	17	59	24	1	44	31	45	39	68	5.24	+ 2.3	18	7,394	nw.	46	s.	18	9	6	16	6.0	2.0
Port Huron	638	70	120	29.42	30.11	+ .14	56.9	+ 3.7	86	18	67	26	1	47	33	50	45	69	3.68	+ 0.3	9	8,140	ne.	40	w.	27	18	7	6	4.2	T.
Sault Ste. Marie	614	40	61	29.39	30.06	+ .11	51.8	+ 4.0	83	17	62	21	1	41	38	46	40	69	2.61	+ 0.4	15	5,402	se.	30	nw.	28	8	14	9	5.4	T.
Chicago	823	241	274	29.16	30.05	+ .09	59.8	+ 3.7	85	17	68	33	1	52	29	53	48	72	0.93	— 2.8	9	13,137	s.	72	sw.	25	4	19	8	5.6	
Milwaukee	681	124	142	29.31	30.06	+ .10	55.2	+ 2.3	83	17	64	33	1	47	32	49	46	76	3.03	— 0.5	15	8,068	n.	46	sw.	26	11	10	10	5.0	
Green Bay	617	49	86	29.36	30.03	+ .08	56.8	+ 2.9	85	17	66	28	1	47	34	50	46	71	3.32	0.0	16	8,470	ne.	48	ne.	12	4	11	16	6.7	
Duluth	702	95	116	29.25	30.03	+ .07	47.2	— 0.8	70	9	54	28	1	41	22	43	38	74	3.54	— 0.1	16	5,934	ne.	36	sw.	19	10	10	11	5.9	4.0

TABLE I.—*Climatological data for Weather Bureau Stations, May, 1903*—Continued.

Stations.	Elevation of instruments.			Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.									Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Precipitation, in inches.			Wind.					Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.
	Barometer above sea level, feet.	Thermometers above ground.	Anemometer above ground.	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hrs.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.				Total.	Departure from normal.	Days with .01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.					
North Dakota.							**54.2**	**+ 0.6**										**59**	**3.50**	**+ 1.2**											
Moorhead	935	54	60	28.93	29.93	− .01	56.0	+ 2.8	85	15	68	28	1	44	39	50	44	67	3.36	+ 0.9	10	8,012	se.	48	se.	22	13	9	9	5.1	
Bismarck	1,674	16	29	28.13	29.90	− .02	54.6	+ 0.4	86	16	67	24	2	42	40	47	40	61	3.20	+ 0.7	6	8,622	nw.	52	se.	21	16	11	4	5.3	
Williston	1,875	14	44	27.87	29.84	− .09	51.9	− 1.3	93	14	65	23	2	39	41	45	38	48	3.94	+ 1.9	12	8,587	w.	66	e.	22	7	10	14	4.0	
Upper Miss. Valley.							**64.0**	**+ 2.5**										**71**	**5.14**	**+ 0.9**										6.1	T.
Minneapolis	.....	99	208	.....	.....	.....	59.1	+ 2.3	83	22	68	32	1	50	30	.....	.....	.....	4.40	+ 0.7	14	9,687	n.	50	se.	22	3	12	16	6.0	
St. Paul	837	102	122	29.05	29.96	+ .02	59.4	+ 1.9	81	16	68	35	1	51	25	53	47	69	5.28	+ 1.9	13	5,924	se.	25	s.	17	9	14	8	....	T.
La Crosse	714	71	87	29.23	29.99	+ .05	61.8	+ 2.4	83	16	71	34	3	53	30	.....	.....	.....	6.74	+ 3.4	19	5,829	s.	27	s.	19	7	18	6	5.5	
Davenport	606	71	79	29.32	29.96	+ .01	64.2	+ 3.5	85	20	73	35	3	55	32	56	51	67	5.52	+ 1.2	14	6,249	s.	27	w.	27	7	16	8	5.5	
Des Moines	861	84	99	29.03	29.95	+ .02	62.8	+ 2.4	83	22	72	31	3	54	31	56	52	72	10.64	+ 5.9	20	7,499	s.	48	sw.	20	3	19	9	5.5	
Dubuque	698	100	117	29.25	30.00	+ .05	62.8	+ 2.9	83	16	72	33	1	54	32	55	50	68	4.25	+ 0.3	18	5,311	se.	28	s.	19	6	9	16	6.6	
Keokuk	614	63	78	29.29	29.94	.00	64.9	+ 2.3	85	22	74	32	1	56	26	58	54	74	3.56	− 0.5	10	5,824	se.	30	w.	25	9	15	7	6.7	
Cairo	356	87	93	29.62	30.00	+ .04	68.6	+ 1.5	86	26	76	39	1	61	26	63	59	77	3.52	− 0.3	15	6,257	s.	38	sw.	27	5	14	12	5.1	
Springfield, Ill.	644	82	93	29.31	29.99	+ .04	65.4	+ 3.0	85	22	75	35	1	56	31	58	54	70	5.28	+ 0.3	11	7,197	s.	34	w.	25	12	6	13	6.4	
Hannibal	534	75	110	29.39	29.96	+ .02	65.6	+ 2.5	86	22	74	30	1	57	28	.....	.....	.....	5.24	− 0.1	15	7,153	e.	32	ne.	30	2	20	9	5.6	
St. Louis	567	111	210	29.37	29.97	+ .02	69.0	+ 3.2	92	22	77	39	1	61	27	60	56	68	2.08	− 2.5	14	6,695	s.	38	sw.	27	6	10	15	6.3	
Missouri Valley.							**61.7**	**+ 1.5**										**71**	**6.91**	**+ 2.8**										6.4	
Columbia	784	11	84	29.11	29.94	.00	65.0	+ 0.5	86	22	74	30	1	56	34	.....	.....	.....	5.26	+ 0.3	17	5,997	se.	42	sw.	19	7	9	15	5.6	
Kansas City	963	78	95	28.92	29.94	+ .02	64.5	+ 0.3	84	25	72	36	1	56	27	58	54	75	7.67	+ 3.9	20	6,345	se.	33	s.	21	7	9	15	6.5	
Springfield, Mo	1,324	98	104	28.55	29.94	+ .01	64.2	+ 1.0	83	22	72	32	1	57	29	59	56	79	9.96	+ 4.0	16	8,384	se.	36	w.	19	15	7	9	6.3	
Topeka	.....	81	89	.....	.....	.....	63.5	+ 0.1	85	22	72	32	1	55	35	.....	.....	.....	8.63	+ 3.6	19	7,815	s.	43	sw.	22	6	13	12	4.7	
Lincoln	1,189	75	84	28.63	29.88	− .03	61.3	+ 0.2	84	20	70	34	1	52	28	56	52	78	10.72	+ 6.3	19	9,586	se.	76	nw.	26	10	10	11	6.0	
Omaha	1,105	115	121	28.74	29.90	− .02	62.9	+ 1.2	84	20	72	35	1	54	26	58	55	79	8.32	+ 4.0	19	7,204	s.	37	se.	22	8	15	8	5.5	
Valentine	2,598	47	54	27.17	29.86	− .04	57.7	+ 1.9	87	17	69	34	3	46	34	48	41	61	2.41	− 0.4	12	9,877	ne.	76	sw.	21	15	11	5	5.8	
Sioux City	1,135	96	164	28.71	29.92	.00	60.8	+ 2.4	81	17	70	34	1	52	28	.....	.....	.....	11.78	+ 8.1	16	10,415	ne.	72	se.	21	4	11	16	4.3	
Pierre	1,572	43	50	28.24	29.89	− .02	60.2	+ 4.6	87	16	72	36	12	48	36	50	42	57	1.72	− 0.6	7	6,864	e.	43	se.	21	7	14	10	6.8	
Huron	1,306	56	67	28.53	29.92	.00	58.2	+ 3.1	83	17	71	31	3	46	40	50	44	67	1.99	− 1.0	10	9,935	ne.	60	se.	21	8	13	10	5.5	
Yankton	1,233	42	49	28.59	29.90	− .02	60.2	+ 1.7	85	18	71	33	1	50	36	.....	.....	.....	7.69	+ 3.3	15	6,728	sw.	46	se.	21	13	12	6	5.6	
Northern Slope.							**52.1**	**− 1.4**										**64**	**2.17**	**− 0.2**										4.9	
Havre	2,505	46	53	27.26	29.88	− .02	51.1	− 2.2	92	13	63	28	19	39	43	43	36	64	3.47	+ 1.9	12	8,092	sw.	42	nw.	7	6	16	9	5.5	
Miles City	2,371	42	50	27.36	29.84	− .07	55.7	− 0.7	96	14	68	30	2	43	38	51	48	77	1.07	− 1.2	8	6,470	w.	54	sw.	8	15	8	8	6.1	17.1
Helena	4,110	88	94	25.74	29.94	+ .01	49.2	− 2.6	85	13	60	26	18	39	38	39	30	54	1.64	0.0	11	6,578	sw.	39	w.	19	7	14	10	4.3	
Kalispell	2,965	45	51	26.86	29.92	+ .04	47.9	.....	88	31	59	28	2	37	41	40	33	64	1.07	.....	13	4,719	w.	32	sw.	6	9	18	4	6.0	
Rapid City	3,234	46	50	26.53	29.87	− .03	53.8	+ 0.9	83	14	64	32	2	43	35	46	40	64	2.94	− 0.7	16	6,131	w.	56	w.	21	8	14	9	4.6	0.7
Cheyenne	6,088	56	64	23.95	29.88	+ .03	48.0	− 2.6	77	14	60	24	2	36	43	39	30	57	0.46	− 1.8	9	8,215	nw.	48	w.	19	6	14	11	5.7	
Lander	5,372	26	36	24.57	29.90	+ .02	49.0	− 2.0	82	13	62	13	2	36	47	40	32	60	1.86	− 0.4	10	3,534	sw.	32	sw.	17	10	12	9	5.8	0.2
North Platte	2,821	43	52	27.00	29.89	+ .01	57.8	− 0.4	86	17	69	34	3	47	37	51	46	73	3.74	+ 1.0	15	8,110	nw.	40	s.	16	5	20	6	5.2	4.1
Middle Slope.							**60.4**	**− 1.6**										**69**	**5.97**	**+ 2.4**										6.0	
Denver	5,291	79	151	24.65	29.86	+ .02	54.9	− 1.5	84	14	68	32	2	42	42	43	32	51	0.75	− 2.1	10	6,632	s.	48	ne.	5	8	16	7	5.9	
Pueblo	4,685	80	86	25.20	29.83	.00	57.3	− 1.4	83	24	72	30	3	43	46	44	30	43	0.29	− 1.6	2	6,711	se.	43	w.	22	11	17	3	5.4	2.0
Concordia	1,398	42	47	28.43	29.88	− .03	61.7	− 0.4	86	20	70	35	3	53	31	57	55	83	13.15	+ 9.1	20	7,079	s.	45	s.	22	4	11	16	4.2	T.
Dodge	2,509	44	54	27.31	29.89	+ .02	60.4	− 2.5	87	20	72	34	3	49	41	54	50	78	2.88	− 0.3	16	12,280	s.	72	s.	20	8	9	14	7.1	
Wichita	1,358	78	86	28.48	29.90	.00	62.9	− 1.3	84	20	71	34	3	54	29	58	55	80	7.97	+ 3.7	16	8,021	s.	32	s.	24	6	14	11	6.2	
Oklahoma	1,214	79	86	28.61	29.87	− .02	65.0	− 2.8	84	27	73	35	1	57	31	59	56	77	10.79	+ 5.3	16	10,314	s.	40	s.	23	5	14	12	6.2	
Southern Slope.							**65.2**	**− 3.0**										**66**	**1.89**	**− 1.5**										6.3	
Abilene	1,738	45	54	28.10	29.88	+ .01	68.4	− 3.8	91	27	78	36	1	59	36	60	55	70	1.99	− 1.6	5	8,109	se.	36	se.	21	9	14	8	4.8	
Amarillo	3,676	43	52	26.16	29.84	.00	62.0	− 2.2	87	25	74	35	1	50	40	52	43	61	1.79	− 1.4	4	12,108	s.	48	sw.	26	16	14	1	5.7	
Southern Plateau.							**64.5**	**− 2.0**										**32**	**0.31**	**− 0.3**										4.0	
El Paso	3,762	10	110	26.09	29.78	.00	69.4	− 2.9	91	25	83	45	1	56	40	50	32	34	0.29	− 0.2	3	9,262	nw.	52	w.	4	20	9	2	3.0	
Santa Fe	7,013	47	50	23.20	29.78	− .03	54.2	− 1.5	75	14	66	33	19	42	33	40	24	35	0.17	− 0.9	6	5,992	sw.	39	sw.	17	22	8	1	2.5	
Flagstaff	6,907	12	25	23.29	29.79	+ .01	48.8	− 5.5	78	30	65	26	23	33	44	39	.....	.....	1.39	− 0.4	7	.....	sw.	.....	.....	.....	9	16	6	2.7	
Phoenix	1,108	50	56	28.64	29.78	.00	74.8	+ 0.4	106	30	90	44	18	60	42	53	33	26	T.	− 0.1	0	4,076	e.	24	w.	21	22	7	2	4.8	10.2
Yuma	141	16	50	29.62	29.76	− .03	75.6	− 1.5	106	31	92	50	18	60	41	57	43	40	0.00	0.0	0	5,269	sw.	34	s.	16	27	3	1	2.3	
Independence	3,910	51	58	25.88	29.82	− .02	64.2	− 1.2	89	30	76	37	18	52	33	46	23	24	T.	− 0.3	0	7,353	nw.	43	w.	16	13	10	8	0.8	
Middle Plateau.							**55.1**	**− 1.9**										**46**	**1.24**	**+ 0.2**										4.6	
Carson City	4,720	82	92	25.23	29.90	− .01	53.2	− 1.0	86	30	68	28	19	39	41	42	32	52	0.04	− 0.6	1	5,327	w.	42	w.	15	19	8	4	4.0	
Winnemucca	4,344	59	70	25.55	29.91	.00	52.8	− 1.6	90	31	68	30	15	38	43	42	30	48	0.15	− 0.8	5	6,575	ne.	46	sw.	15	17	5	9	3.2	T.
Modena	5,479	10	38	24.52	29.81	− .01	53.0	.....	84	31	69	27	18	37	43	39	22	37	0.55	.....	7	7,721	w.	48	sw.	16	18	11	2	4.2	T.
Salt Lake City	4,366	105	110	25.54	29.87	+ .01	54.8	− 3.0	86	13	65	33	17	45	34	44	32	48	3.55	+ 1.8	9	4,561	nw.	36	n.	9	13	8	10	3.4	0.4
Grand Junction	4,608	43	51	25.27	29.81	− .02	59.6	− 2.0	86	13	73	36	18	46	37	46	35	47	1.21	+ 0.6	7	4,514	nw.	29	nw.	10	11	14	6	4.5	T.
Northern Plateau.							**55.4**	**− 1.8**										**55**	**1.38**	**− 0.4**										4.5	
Baker City	3,471	53	59	26.41	29.99	+ .03	51.2	− 1.5	88	31	63	29	7	39	37	40	29	49	0.49	− 1.4	3	5,220	se.	30	nw.	6	10	11	10	5.0	
Boise	2,739	61	68	27.10	29.95	+ .01	57.4	− 0.7	94	31	70	34	19	44	38	44	32	45	0.53	− 1.1	5	4,078	nw.	24	se.	6	13	12	6	5.5	T.
Lewiston	757	52	61	29.16	29.96	.00	58.8	− 1.5	102	31	71	35	21	46	42	.....	.....	.....	1.49	− 0.6	6	3,352	e.	38	w.	6	17	7	7	4.5	
Pocatello	4,482	46	54	25.40	29.90	+ .01	51.8	− 2.5	85	13	64	28	2	40	35	44	37	60	3.18	+ 1.0	9	7,073	sw.	32	s.	26	10	16	5	4.1	
Spokane	1,929	101	110	27.92	29.97	+ .01	54.2	− 2.8	94	31	66	33	1	42	37	44	34	55	1.34	0.0	11	5,418	sw.	33	sw.	6	3	12	16	4.4	12.8
Walla Walla	1,000	65	71	28.91	29.98	+ .02	58.8	− 2.1	97	30	70	38	7	48	40	51	45	64	1.26	− 0.4	10	4,526	s.	24	sw.	15	13	16	2	7.0	T.
N. Pac. Coast Reg.							**52.4**	**− 1.4**										**78**	**2.16**	**− 0.6**										4.3	
North Head	211	11	56	29.86	30.09	+ .06	49.6	− 3.0	60	29	52	42	6	47	12	48	46	89	2.70	− 0.5	19	12,889	nw.	56	se.	13	2	8	21	6.7	
Port Crescent	259	12	29	29.82	.....	.....	47.8	− 2.6	62	5	54	34	21	42	22	.....	.....	.....	1.52	− 1.0	16	3,529	w.	15	w.	6	4	20	7	7.7	
Seattle	123	114	151	29.94	30.07	+ .06	54.6	− 0.7	77	30	63	41	21	47	28	49	44	74	2.39	0.0	18	5,190	se.	28	s.	6	7	17	7	6.1	
Tacoma	213	113	120	29.84	30.08	+ .06	53.3	− 0.8	78	30	62	36	21	45	30	.....	.....	.....	1.69	− 0.8	12	4,684	sw.	23	sw.	7	0	13	18	5.7	
Tatoosh Island	86	7	57	29.96	30.06	+ .05	49.0	− 1.0	57	29	53	41	6	45	13	47	45	88	4.48	− 0.1	20	9,345	w.	51	sw.	15	3	5	23	7.5	
Portland, Oreg.	154	68	96	29.90	30.07	+ .04	56.9	− 0.4	84	5	66	39	7	48	33	50	45	70	1.71	− 0.7	17	3,963	nw.	24	sw.	15	8	8	15	8.2	
Roseburg	518	56	67	29.51	30.07	+ .04	55.9	− 1.0	86	30	68	32	7	44	42	48	42	68	0.65	− 1.3	9	2,971	nw.	18	sw.	13	10	9	12	6.3	
Mid. Pac. Coast Reg.							**58.0**	**− 0.5**										**63**	**0.35**	**− 1.2**										5.4	
Eureka	62	62	80	30.04	30.12	+ .07	51.5	− 2.0	62	2	55	42	17	48	15	48	45	81	0.70	− 2.1	8	7,087	n.	39	n.	15	13	11	7	2.9	
Mount Tamalpais	2,375	11	18	27.51	29.96	− .04	58.1	.....	86	30	66	36	21	50	24	47	37	50	T.	.....	0	16,871	nw.	90	nw.	15	26	4	1	4.4	
Red Bluff	332	50	56	29.55	29.90	− .05	68.3	+ 1.3	100	31	82	44	22	55	37	54	43	47	1.06	− 0.3	3	5,226	n.	35	nw.	21	27	3	1	1.4	
Sacramento	69	106	117	29.82	29.89	− .05	65.2	+ 1.7	97	30	78	44	22	52	32	55	47	58	T.	− 1.0	0	6,971	s.	40	nw.	16	20	10	1	1.8	
San Francisco	155	161	167	29.83	30.00	+ .01	55.2	− 1.4	77	29	62	46	20	49	28	50	47	80	T.	− 0.8	0	10,040	w.	42	w.	21	21	6	4	2.2	
Point Reyes Light	490	7	50	29.40	29.92	.....	50.0	− 2.2	57	*	54	45	19	46	11	.....	.....	.....	0.00	− 2.0	0	24,072	nw.	94	nw.	16	12	9	10	2.8	
Southeast Farallon	30	9	17	29.96	29.98	.....	51.0	.....	56	13	53	47	24	49	7	.....	.....	.....	0.00	.....	0	17,331	nw.	60	nw.	16	21	5	5	5.0	
S. Pac. Coast Reg.							**61.4**	**− 1.0**										**70**	**0.04**	**− 0.3**										2.9	
Fresno	330	67	70	29.53	29.88	− .04	67.8	− 0.2	101	31	83	43	22	52	38	53	40	45	T.	− 0.4	0	4,469	nw.	36	nw.	16	25	5	1	4.4	
Los Angeles	338	116	123	29.57	29.94	− .01	69.8	− 1.3	81	29	69	46	18	53	27	55	51	79	T.	− 0.4	0	3,890	sw.	26	sw.	17	7	17	7	1.9	
San Diego	87	94	102	29.85	29.94	− .01	60.5	+ 0.1	68	18	64	50	18	57	18	55	52	77	0.14	− 0.2	3	4,686	sw.	23	s.	16	12	9	10	5.6	
San Luis Obispo	201	46	48	29.78	30.00	.00	56.4	− 2.6	84	28	66	36	18	47	38	51	47	78	0.00	− 0.3	0	4,334	w.	28	w.	16	14	8	9	5.6	
West Indies.																														4.4	
Bridgetown	30	57	65	29.91	29.95	− .01	80.8	+ 2.4	87	17	86	73	1	76	13	75	72	74	1.94	− 1.1	11	6,750	e.	22	e.	8	15	10	6	4.4	
Grand Turk	11	6	20	29.94	29.95	− .05	78.6	.....	91	*	85	66	4	72	19	.....	.....	.....	3.69	.....	15	.....	e.	.....	e.	...	8	9	14	6.7	
Havana	57	87	105	29.89	29.95	+ .01	75.0	− 3.8	85	13	82	63	4	68	18	.....	.....	.....	2.35	− 2.1	5	9,474	e.	37	ne.	19	24	4	3	3.0	
San Juan	82	48	90	29.86	29.94	− .05	80.5	+ 1.1	94	17	87	66	3	74	18	74	71	75	4.54	− 0.1	12	6,886	se.	33	se.	7	8	17	6	5.6	

NOTE.—The data at stations having no departures are not used in computing the district averages. *More than one date.

TABLE II.—*Climatological record of voluntary and other cooperating observers, May, 1903.*

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	Ins.	Ins.
Alabama.					
Anniston	89	36	67.4	5.69	
Ashville	90	38	67.3	8.37	
Benton				6.42	
Bermuda	94[e]	48[e]	70.8[e]	6.56	
Birmingham	90	42	71.0	3.65	
Bridgeport				5.51	
Burkeville				5.50	
Calera				5.37	
Camphill	93	45	69.2	5.87	
Citronelle	89	49	71.2	2.71	
Clanton	91	40	67.5	5.72	
Cordova	91	37	68.3	5.16	
Daphne	89	52	71.4	6.64	
Decatur	98	40	71.2	5.27	
Demopolis				5.54	
Dothan	97	57	73.2	5.77	
Eufaula	90	47	69.7	9.16	
Eutaw	92[h]	49[h]	71.5[h]	7.06	
Evergreen	93	51	71.3	4.29	
Flomaton[j]	91	49	70.6	3.95	
Florence *a*				7.13	
Florence *b*	89	38	69.0	6.90	
Fort Deposit	93	49	70.8	6.24	
Gadsden	92	41	68.8	6.14	
Goodwater	91	43	68.4	6.95	
Greensboro	90	50	69.5	14.81	
Greenville				7.13	
Haleysville	90	34	69.2	5.40	
Hamilton	88	39	68.8		
Helena				5.53	
Highland Home	90	50	69.3	6.62	
Letohatchie				5.95	
Livingston	91	43	70.1	4.20	
Lock No. 4	93	40	68.4	7.02	
Madison Station	92	39	68.6	6.76	
Maplegrove	93	38	68.0	6.88	
Marion	92	44	70.0	6.75	
Milstead				4.45	
Newbern	95	45	71.4	10.67	
Notasulga				7.71	
Oneonto	87	39	66.8	8.63	
Opelika	92	50	70.2	9.38	
Ozark	95	48	71.4	4.33	
Prattville	91	43	69.8	4.36	
Pushmataha	92	43	70.6	4.42	
Riverton	90	34	67.9	7.18	
Scottsboro	92	40	68.9	5.06	
Selma	91	48	70.6	5.60	
Talladega	92	41	67.5	6.76	
Tallassee				4.77	
Thomasville	93	46	71.0	6.10	
Tuscaloosa	91	43	69.5	6.84	
Tuscumbia	92	41	70.0	6.37	
Tuskegee	92	50	71.6	3.97	
Union Springs	92	52	71.4	4.55	
Uniontown	89	44	68.6	6.90	
Valleyhead	90	39	68.7	7.87	
Verbena				7.98	
Wetumpka	93[e]	48[e]	70.2[e]	8.34	
Alaska.					
Copper Center	80	23	47.4	0.60	
Fort Liscum	68	30	43.4	2.23	
Kenai	64	23	42.6	0.54	
Sitka	56	32	43.6	3.65	
Tyoonok	68	30	44.8	0.69	
Arizona.					
Agua Caliente	110	49	75.6	0.00	
Allaire Ranch				0.40	
Arizona Canal Co's Dam	102	46	72.8	0.00	
Ashfork	90	12	54.6	T.	
Aztec	111	48	82.0	0.00	
Benson	96	41	69.0	0.35	
Bisbee	86	43	64.2	0.43	
Bowie				0.00	
Buckeye	104	40	71.0	0.00	
Casagrande	108			0.29	
Cochise *[1]	91	45	64.4	0.62	
Congress	97	45	71.5	0.01	
Dragoon *[1]	92	49	65.2	T.	
Dudleyville	102	40	70.3	0.42	
Duncan	94	29	62.2	0.35	
Fort Apache	90	28	58.2	0.70	
Fort Defiance	82	25	50.1	1.14	
Fort Grant	92	50	65.8	0.50	
Fort Huachuca	90	46	66.0	0.00	
Gilabend	109	42	75.5	0.03	
Greaterville	89	40	61.6	0.33	
Jerome	91	39	65.7	0.90	
Kingman				0.10	
Maricopa	108	44	74.9	0.12	
Mesa	109	40	74.6	T.	
Mesa (near)	109	41	73.8	0.06	
Mount Huachuca	95			0.00	
Mohawk Summit *[1]	115	60	87.8	0.00	
Natural Bridge				0.39	
Nogales	98	40	66.4	0.01	
Oracle	91	46	67.4	0.80	
Oro				0.20	
Arizona—Cont'd.					
Parker	111	46	78.0	T.	
Phoenix	107	39	73.4	T.	
Pinal Ranch				0.33	
Prescott	80	24	54.4	T.	
San Simon	93	35	66.6	T.	
Sentinel *[5]	109	62	84.9	0.00	
Signal	112	39	72.9	0.00	
Superstition				0.08	
Taylor	87	28	58.0	0.45	
Tombstone	93	45	67.5	0.08	
Tuba	93	36[c]	63.0[c]	T.	
Tucson	102	42	70.0	0.20	
Vail *[5]	88	59	71.4	0.04	
Walnut Grove				0.00	
Wilcox	88			1.00	
Yarnell				0.05	
Arkansas.					
Alco	87	30	65.8	6.36	
Amity	85	32	66.4	13.31	
Arkadelphia	89	34	68.8	8.27	
Arkansas City				3.42	
Batesville	87	32	68.2	7.78	
Beebranch	87	32	67.0	8.80	
Blanchard	88	35	69.1	2.34	
Brinkley	88	35	68.4	6.95	
Camden *a*				5.66	
Camden *b*	92	40	71.2	5.78	
Conway	87	33	69.0	5.36	
Corning	87	35	68.0	7.33	
Dallas	87	31	67.2	7.74	
Dardanelle				8.19	
De Queen	90	32	68.2	7.15	
Dodd City	86	32	66.1	12.30	
Dutton		29[c]		12.35	
Elon	88[c]	35[c]	68.5[c]	3.24	
Eureka Springs	85	30	65.7	11.26	
Fayetteville	86	33	64.2	10.35	
Forrest City	90	35	68.0	6.69	
Fulton				3.80	
Hardy	87	30	66.3	8.52	
Helena *a*				5.68	
Helena *b*	90	39	70.1	5.13	
Jonesboro	89	34	68.6	8.51	
Lacrosse	86	28	66.6	5.91	
Lake Village	88	40	69.6	2.45	
Lonoke	89	34	69.8	6.92	
Lutherville	85	28	64.0	9.35	
Malvern	87	33	68.6	8.25	
Marianna	89	39	69.8	8.08	
Marvell	88	35	69.9	5.99	
Mossville	80	29	62.6	14.88	
Mountain Home	86	29	66.4	6.87	
Mount Nebo	82	35	64.4	11.79	
New Gascony	88	34	67.7	3.90	
Newport *a*				5.19	
Newport *b*	90	35	69.4		
Newport *c*	88	31	68.2	5.50	
Oregon	89[d]	26	65.0	9.99	
Ozark	89	34	67.9	9.36	
Paragould	89	36	68.0	6.13	
Perry	89	33	68.2	7.07	
Pinebluff	91	37	70.4	4.76	
Pocahontas	96	31	67.4	6.13	
Pond	83	24	64.4	8.57	
Prescott	88	45	70.4	5.80	
Princeton	85	33	68.6	5.09	
Rison	87	31	67.4	3.15	
Rosadale	89	31	68.9	12.24	
Russellville	89	32	67.9	9.55	
Silversprings	83	25	65.4	8.67	
Spielerville	87	30	67.6	9.77	
Stuttgart	86	33	68.8	6.13	
Texarkana	87	35	69.2	1.16	
Warren	90	34	65.1	4.40	
Washington	83	35	67.3	8.22	
Wiggs	86	27	66.6	9.08	
Winchester	89	34	69.0	3.27	
Winslow	78	36	63.4	13.10	
Witts Springs	82	29	63.8	9.67	
California.					
Angiola	104	36	66.6	0.00	
Azusa	92	41	63.8	0.14	
Bagdad	108	52	79.5	0.00	
Bakersfield	102	36	69.2	T.	
Ballast Point L. H				0.12	
Bear Valley				1.79	
Barstow	100	34	67.6	0.00	
Berkeley	79	43	57.6	0.02	
Bishop	91	28	59.6	T.	
Boca *[1]	85	26	45.9	0.20	2.0
Bodie	73	8	40.0	0.60	6.0
Bowman	88	30	54.8	0.94	5.0
Branscomb	91	31	56.2	0.19	
Caliente *[1]	99	55	73.0	0.00	
Campbell	95	35	58.6	0.00	
Campo				0.11	
Cape Mendocino L. H				0.20	
Cedarville	94	28	52.8	0.39	
California—Cont'd.					
Chico	101	40	68.4	0.25	
Cisco *[1]	72	26	50.3	0.40	4.0
Cloverdale	101	34	63.8[k]	0.00	
Colusa	96	44	67.6	T.	
Corning *[1]	102	50	66.9	0.15	
Coronado	71	50	62.8	0.06	
Crescent City	75	35	52.2	1.32	
Crescent City L. H				1.78	
Cuyamaca	73	27	49.8	0.69	
Delta *[5]	100	52	71.4	0.51	
Drytown	100	36	63.6	0.00	
Dunnigan *[5]	100	54	76.3	T.	
Durham	103	37	66.6	0.24	
East Brother L. H				0.00	
Elcajon	88	39	64.4	0.14	
Elmdale	103	35	64.6	T.	
Elsinore	102	34	63.5	T.	
Escondido	100	33	63.6	T.	
Fallbrook	88	38	61.8	0.08	
Folsom *[1]	103	54	69.3	T.	
Fordyce Dam				1.15	8.0
Fort Ross	67	40	53.1	0.01	
Foster				0.33	
Georgetown	93	32	60.2	0.70	
Gilroy (near)	100	35	59.9	0.00	
Greenville	95	25	54.8	0.54	
Hanford	104	50	75.4	0.00	
Healdsburg	100	37	64.0	T.	
Hollister	99	33	59.2	0.00	
Humboldt L. H				0.53	
Idylwild	85	24	52.4	0.48	T.
Imperial	118	51	82.5	T.	
Indio *[1]	106	60	81.0	0.00	
Iowa Hill *[1]	86	36	61.9	0.88	2.0
Irvine	88	50	65.0	0.02	
Jackson	94	37	62.5	0.04	
Jamestown	97	33	62.4	0.05	
Jolon				T.	
Kennedy Gold Mine	93	32	57.6	0.00	
Kent	88	39	58.6	0.00	
King City	103	32	61.1	T.	
Lakeport (near)	88	42	62.8	T.	
Laguna Valley				0.54	
Laporte	82	27	51.4	0.33	3.2
Lemoncove	105	42	70.2	0.12	
Lick Observatory	82	30	54.0	0.05	
Lime Point L. H				0.00	
Livermore	102	38	62.8	0.12	
Lodi	102	41	64.5	0.00	
Los Gatos	94	38	60.6	0.00	
Mammoth *[5]	107	50	77.3	0.00	
Manzana	100	37	66.6	0.00	
Mare Island L. H				0.15	
Marysville	100	44	68.9	T.	
Meadow Valley *[1]	85	31	51.7	0.48	3.0
Merced	105	37	66.7	0.00	
Mercury				0.00	
Milo				0.00	
Milton (near)	96	44	64.4	0.00	
Modesto *[1]	105	52	68.4	0.00	
Mohave	95	45	68.7	0.00	
Mokelumne Hill				0.10	
Montague	97	26	57.0	0.07	
Monterey	69	50	58.2	0.00	
Mount St. Helena				0.10	
Napa	98	38	62.0	T.	
Needles	109	56	81.8	0.00	
Nevada City	92	30	58.3	0.52	3.0
Newcastle	99	39	66.4	0.00	
Newman	103	40	66.6	T.	
Niles	90	40	60.5	0.00	
North Bloomfield	92	30	59.0	0.59	
North San Juan[d]	90	33	59.6	0.08	
Oakland	80	45	59.8	T.	
Ogilby *[5]	110	63	83.4	0.00	
Ontario	93	39	63.6	T.	
Orleans	100	41	66.7	0.25	
Palermo	103	36	65.2	0.16	
Paso Robles	102	30	59.7	0.00	
Peachland *[5]	87	42	62.3	0.02	
Piedras Blancas L. H				0.00	
Pigeon Point L. H				0.00	
Pine Crest	83	44	57.2	0.14	
Placerville	90	34	58.4	0.11	
Point Ano Nuevo L. H				0.00	
Point Arena L. H				0.02	
Point Bonita L. H				0.00	
Point Conception L. H				0.00	
Point Fermin L. H				0.00	
Point George L. H				1.18	
Point Hueneme L. H				0.00	
Point Lobos	64	46	53.5	0.00	
Point Loma L. H				0.00	
Point Montara L. H				0.00	
Point Pinos L. H				0.05	
Point Sur L. H				0.00	
Porterville	103	38	67.0	0.01	
Poway				0.11	

TABLE II.—*Climatological 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.*
Quincy	87	32	55.8	0.55	T.
Redding	96	44	68.0	2.29	
Redlands	95	41	63.4	0.48	
Reedley	99	49	71.4	0.04	
Represa	96	44	70.6	0.00	
Riovista	98	43	65.2	0.05	
Riverside	94	38	62.8	0.03	
Roe Island L. H.				0.00	
Rosewood	102	39	65.8	0.49	
Sacramento	94	43	65.2	T.	
Salinas	83	36	58.0	0.00	
Salton	116	48	79.1	0.00	
San Bernardino	98	36	63.8	0.24	
San Jacinto	99	39	63.3	0.00	
San Jose	90	39	61.0	0.00	
San Leandro	86	40	59.5	0.00	
San Luis L. H.				0.00	
San Mateo *[1]	85	50	60.4	0.00	
San Miguel *[1]	97	42	62.7	0.00	
Santa Barbara	79	43	58.4	0.27	
Santa Barbara L. H				0.21	
Santa Clara				0.00	
Santa Clara College	92	36	59.5	0.00	
Santa Cruz	95	33	56.6	0.00	
Santa Cruz L. H.				0.00	
Santa Maria	80	35	59.3	T.	
Santa Monica	69	41	57.2	0.02	
Santa Rosa	92	34	59.0	T.	
Shasta	101	40	69.8	0.57	
Sierra Madre	85	43	60.4	0.33	
Sisson	101	32	55.0	0.21	T.
Sonoma				0.00	
S. E. Farallone L. H				0.00	
Stockton	95	43	64.3	0.08	
Storey	102	36	66.1	0.00	
Summerdale	82	23	52.5	0.79	3.0
Susanville	89	27	55.1	0.58	1.0
Tehama *[1]	100	52	73.2	0.69	
Tejon Ranch	95	42	66.6	T.	
Trinidad L. H				1.10	
Truckee *[1]	72	34	49.3	0.53	
Tulare *b*				0.00	
Tulare *c*	102	38	67.5	T.	
Tustin	83	56	67.7	0.00	
Ukiah	102	34	61.8	T.	
Upland	90	39	59.4	0.63	
Upperlake	97	33	61.0	0.08	
Upper Mattole *[1]	83	37	52.8	0.74	
Vacaville *[1]	103	48	66.1	T.	
Ventura	72	40	56.6	0.00	
Visalia	103	39	67.4	T.	
Volcano Springs *[5]	111	46	78.5	0.00	
Wasco	102	35	69.2	0.00	
Wheatland	97	42	65.4	0.07	
Williams *[1]	98	52	74.0	0.00	
Willits	98	34	59.0	T.	
Willow	98	41	66.8	0.03	
Yerba Buena L. H.				0.00	
Zenia	88	32	56.4	0.43	
Colorado.					
Alford	76	26	49.2	0.36	
Ashcroft	70	18	40.4	1.65	
Blaine	93	26	58.4	0.82	
Boulder	79	30	54.5	2.02	4.0
Boxelder				0.97	
Breckenridge	66	−2	34.8	1.51	15.1
Buenavista				0.50	
Canyon	82	30	55.1	0.56	
Castlerock	82	26	51.6	1.29	
Cedaredge	82	29	53.9	0.54	
Cheesman	80	28	50.2	0.77	
Cheyenne Wells	84	30	56.0	3.69	
Clearview	69	15	41.6	0.43	
Colorado Springs	74	28	52.2	0.62	
Collbran	84	27	52.8	0.94	
Durango	80	27	52.7	1.25	0.5
Fort Collins	85	27	52.2	0.63	
Fort Morgan	84	30	54.9	0.88	
Fox	86	30	56.2	1.26	
Fruita	87	30	57.4	1.20	
Garnett	76	17	46.8	T.	
Gilman				1.56	13.5
Gleneyre	77	23	52.0	1.17	
Greeley	85	29	54.8	0.96	
Grover				1.95	
Gunnison	77	18	45.8	0.59	2.0
Hamps	78	24	52.1	0.75	
Hoehne	86	20	54.0	0.22	
Holly	90	34	59.7	4.11	
Holyoke (near)	88	30	56.6	2.03	
Husted	75	19	49.8	0.61	
Lake Moraine	63	15	38.6	1.19	1.0
Lamar	90	34	61.8	2.11	
Laporte				0.83	
Las Animas	85	31	59.2	0.66	
Lay	79	19	46.5	1.87	6.5
Leadville (near)				1.31	11.5
Leroy	82	30	53.6	0.80	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Colorado—Cont'd.	°	°	°	*Ins.*	*Ins.*
Longs Peak	62	3	38.3	1.70	7.0
Mancos	78	27	50.6	1.12	6.0
Marshall Pass				1.12	12.0
Meeker	82	23	48.6	1.66	
Montrose				0.13	
Moraine	72	12	43.0	0.20	
Pagoda	76[i]	22	46.6[e]	1.03	
Parachute	89	29	57.6	2.26	
Platte Canon				1.51	1.0
Raugely	83	21	52.8	1.06	
Rockyford	87	32	59.1	0.28	
Rogers Mesa	83	31	54.2	0.71	0.7
Ruby				4.80	48.0
Russell	74	17	44.3	0.20	
Saguache	78	21	49.3	0.10	
Salida	79	22	49.9	T.	T.
San Juan	76	16	43.0	1.59	12.5
San Luis	75	18	47.7	0.12	
Silt	84	30	53.2	1.44	4.0
Sugarloaf	72	22	45.0	1.58	6.0
Trinidad	81	31	56.9	0.13	
Twinlakes				0.10	1.0
Vilas				0.61	
Wallet				1.03	
Waterdale	79	28	52.6	0.65	
Westcliffe	74	18	45.2	0.58	
Whitepine	67	11	38.0	1.42	11.0
Wray	88	31	58.0	1.95	
Yuma				1.00	T.
Connecticut.					
Bridgeport	92	33	60.6	0.49	
Canton	88	24	56.3	0.81	
Colchester	89	31	59.0	0.42	
Falls Village				0.97	
Hartford	90	32	58.7	0.95	
Hawleyville	88	29	59.6	1.61	
Lake Konomoc				0.65	
New London	90	34	59.0	0.54	T.
North Grosvenor Dale	91	29	58.2	0.49	
Norwalk	95	29	61.2	0.07	
Southington	90	28	59.2	0.50	
South Manchester				0.95	
Storrs	89	28	60.6	0.50	
Voluntown	93	30	58.2	0.46	
Wallingford				1.23	
Waterbury	93	31	61.4	0.73	
West Cornwall	89	26	58.2	1.39	
West Simsbury				0.73	
Delaware.					
Delaware City				1.13	
Milford	95	36	65.2	2.31	
Millsboro	93	37	63.6	2.01	
Newark	90	31	63.0	2.18	
Seaford	91	37	64.6	2.51	
District of Columbia.					
Distributing Reservoir *[5]	86	45	66.3	2.67	
Receiving Reservoir *[5]	86	43	66.5	2.11	
West Washington	93	34	64.9	3.41	
Florida.					
Archer	97	58	74.4	5.66	
Avon Park	94	57	74.4	1.98	
Bartow	93	56	76.0	6.21	
Bonifay	93	56	73.1	6.03	
Carrabelle	89	58	72.5	4.65	
Clermont	96	60	76.4	2.47	
De Funiak Springs	93	55	71.5	8.41	
Deland	93	56	73.3		
Eustis	99	60	76.0	6.06	
Federal Point	94	57	73.0	9.07	
Fernandina	93	57	71.8	16.27	
Flamingo	89			1.12	
Fort George *[1]	86	62	73.1		
Fort Meade	97	57	74.6	5.42	
Fort Myers	94	60	75.1	0.71	
Fort Pierce	85	55	72.9	1.77	
Gainesville	94	58	74.2	5.05	
Grasmere	96	60	76.0		
Huntington	97	55	74.6	5.52	
Hypoluxo	86	57	74.3	1.66	
Inverness	98	51	74.8	3.60	
Jasper	90	61	73.3	7.16	
Johnstown [c]	90	55	73.0	5.35	
Kissimmee	91	55	73.4	6.68	
Lake City	97	57	73.6	5.05	
Macclenny	97	55	73.2	10.95	
Malabar	88	55	74.5	4.12	
Manatee	93	55	74.1	2.49	
Marco	92	62	76.7	1.03	
Marianna	94	50	71.4	7.82	
Merritt Island	86	63	75.1	2.59	
Miami	88	57	76.9	1.35	
Micanopy	97	56	74.5	6.33	
Middleburg	99	50	71.6	18.01	
Molino	92	50	70.2	4.12	
New Smyrna	84	55	70.8	6.19	
Nocatee	96	57	75.0	1.55	
Ocala	98	54	74.4	5.37	
Orange City	101	53	75.1	2.78	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Florida—Cont'd.	°	°	°	*Ins.*	*Ins.*
Orlando	95	57	76.2	3.59	
Pinemount	98	52	73.5	7.55	
Quincy	100	49	72.9	4.73	
Rockwell	98	54	76.1	4.38	
St. Andrews	91	56	71.7	5.52	
St. Augustine	91	53	72.2	10 58	
St. Leo	94	57	74.2	3.12	
Stephensville	94	50	72.6	2.53	
Sumner	93	51	72.1	2.21	
Switzerland	94	55	72.0	9.48	
Tallahassee	92	59	73.2	5.59	
Tarpon Springs	93	58	74.0	2.10	
Titusville	88	57	72.3	7.53	
Waukeenah	99	55	73.4	2.37	
Wausau	98	54	73.5	10.70	
Wewahitchka	94	56	73.4	6.06	
Georgia.					
Adairsville	91[k]	43[j]	71.0[k]	2.77	
Albany	99	50	73.2	7.45	
Allapaha	97	53	72.5	5.97	
Alpharetta	90	43	66.9	4.92	
Americus	97	48	71.9	7.94	
Athens	90	50	68.8	2.78	
Bainbridge	95	56	72.2	4.59	
Blakely	93	51	69.8	7.50	
Bowersville	96	48	69.5	2.94	
Butler				6.59	
Camak	95	51	70.6	4.30	
Carlton				2.09	
Clayton	92	44	65.4	3.87	
Columbus	94	50	71.6	11.95	
Coney	99	46	72.8	4.70	
Covington	92	44	68.9	4.11	
Dahlonega	90	44	66.0	4.02	
Dawson	98	46	72.2	8.10	
Diamond	90	39	66.0	3.85	
Douglas	103	55	73.2	6.74	
Dublin				5.62	
Dudley	96	56	71.6	5.71	
Eastman	101	54	73.9	7.44	
Eatonton	92	49	69.8	5.24	
Elberton	98	50	70.9	2.12	
Experiment	91	44	68.4	6.47	
Fitzgerald	99	55	72.2	4.84	
Fleming	99			7.24	
Forsyth	95	48[d]	70.6	6.26	
Fort Gaines	95	50	71.7	8.67	
Gainesville	91	46	67.5	4.79	
Gillsville	94	47	69.2	2.60	
Greensboro	95	46	70.3	2.37	
Griffin	91	46	68.6	4.81	
Harrison	95	51	71.2	5.44	
Hawkinsville	98	46	71.2	7.17	
Hephzibah				4.85	
Jesup	101	53	73.1	7.96	
Lost Mountain	93	42	69.8	4.27	
Louisville	95	50	70.7	10.10	
Lumpkin	94	53	71.4	11.67	
Marshallville	96[f]	52[f]	71.4[f]	4.82	
Mauzy [d]	97	52	72.8	5.05	
Milledgeville	93	45	69.6	5.32	
Millen	101	50	73.1	5.49	
Monticello	96	47	70.6	2.84	
Morgan	98	50	70.4	7.26	
Naylor	98	51	73.0	6.94	
Newnan	94	44	68.6	4.62	
Oakdale				2.35	
Point Peter	97	48	70.4	2.49	
Poulan	96	48	71.2	4.89	
Putnam	97	46	71.3	5.80	
Quitman	103	55	74.2	7.89	
Ramsey	90	39	68.2	2.47	
Resaca				2.88	
Rome	93	40	69.0	3.48	
St. Marys	96	56	72.6	18.46	
Statesboro	99	55	71.6	5.05	
Stillmore	98	51	70.2	7.98	
Talbotton	93	46	68.8	6.04	
Tallapoosa	91	40	68.0	3.23	
Thomasville	97	57	73.5	5.79	
Toccoa	96	50	68.5	2.42	
Valona	96	57	71.9	10.89	
Vidalia	98	54	72.7	8.66	
Washington	93	53	70.4	3.00	
Waverly	98	55	73.0	17.02	
Waycross	99	57	73.8	7.30	
Waynesboro	94	52	70.2	7.58	
Westpoint	99	43	71.2	9.94	
Woodbury	94	42	67.6	5.51	
Idaho.					
Albion	88	23	50.5	1.39	1.0
American Falls	88	23	50.6	2.37	
Blackfoot	91	19	52.1	2.55	2.0
Blue Lakes	96	31	57.8	0.73	
Burnside	82	23	47.9	2.25	3.0
Cambridge	97	24	54.4	0.73	
Chesterfield	83	21	47.2	2.18	4.0
Dickey	76	24	49.0	0.45	4.

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Idaho—Cont'd.	°	°	°	*Ins.*	*Ins.*
Forney	84	19	47.2	2.05	16.0
Garnet	93	33	60.2	0.34	
Grangeville	88	31	51.0	3.73	0.8
Idaho City	90[e]	25	50.7[e]	1.16	T.
Lake	76	18	45.7	1.30	3.0
Lakeview	90	31	51.8	1.91	T.
Lost River	82	21	47.0	0.78	1.0
Moscow	90	28	52.8	3.63	0.2
Murray	91	25	47.4	2.96	T.
Oakley	92	28	52.4	1.04	
Ola	88	27	54.4	1.01	
Pollock	96	34	56.8	1.31	
Porthill	83	28	51.1	0.78	
Priest River	92[h]	28[h]	50.8[h]	1.73	
Riddle	87	20	47.3	1.37	1.5
St. Maries	88	30	53.0	2.57	
Silver City	84	23	47.0	1.04	2.0
Soldier	84	20	47.4	0.32	T.
Vernon	84	21	47.3	3.02	9.5
Weston	87	27	51.2	2.45	1.7
Illinois.					
Aledo	84	29	63.2	6.26	
Alexander	87	28	65.4	3.42	
Antioch	85	33	61.0	3.65	
Ashton	85	29	61.0	2.91	
Astoria	86	28	63.8	4.44	
Aurora	86	27	61.8	3.11	
Beardstown	.....	.....	.....	4.83	
Benton	91	30	69.2	2.53	
Bloomington	89	29	66.0	4.01	
Bushnell	90	50[i]	69.2[e]	3.26	
Cambridge	86	30	64.0	7.03	
Carlinville	89	28	66.0	3.17	
Carrollton [d]	88	31	66.3	2.33	
Centralia	89	28	67.4	2.96	
Charleston	90	28	67.8	0.63	
Chester	.....	.....	.....	1.71	
Chicago Heights	.....	.....	.....	3.53	
Cisne	90	29	67.8	3.37	
Coatsburg	89	30	65.5	3.68	
Cobden	89	31	67.8	3.16	
Danville	89	27	65.6	4.75	
Decatur	87	26	65.6	3.66	
Dixon	88	30	63.1	4.35	
Dwight	88	24	63.6	3.24	
Equality	89	33	69.2	2.60	
Fandon	86	29	63.8	2.85	
Flora	88[e]	29[e]	66.1[e]	1.75	
Friendgrove	86	31	67.2	5.37	
Galva	86	30	63.6	5.42	
Grafton	.....	.....	.....	2.47	
Greenville	90	30	67.4	1.71	
Griggsville	89	34	66.8	3.34	
Halfway	88	34	69.4	3.06	
Halliday	89	29	68.2	1.67	
Henry	86	29	64.4	3.85	
Hillsboro	90	29	66.6	2.83	
Hoopeston	88	28	65.1	3.77	
Joliet	86	29	62.7	2.49	
Kishwaukee	87	27	61.4	3.73	
Knoxville	86	24	62.4	4.57	
Lagrange	89	27	61.4	1.27	
Laharpe	86	29	63.7	3.00	
Lanark	87	24	62.3	5.05	
Loami	.....	.....	.....	4.78	
McLeansboro	88	32	68.4	3.38	
Martinton	88	26	63.6	4.67	
Mascoutah	89	29	64.3	2.12	
Mattoon	84	32	68.2	1.14	
Minonk	87	28	63.4	3.23	
Monmouth	87	26	63.5	3.63	
Morrison	85	28	62.4	5.49	
Morrisonville	85	28	65.4	1.70	
Mount Carmel	.....	.....	.....	2.05	
Mount Pulaski	89	31	65.6	4.09	
Mount Vernon	90	29	68.5	2.54	
New Burnside	93	30	69.8	3.06	
Olney	90	30	68.4	0.94	
Ottawa	90	31	65.6	4.19	
Palestine	89	28	68.0	0.52	
Pana	88	26	64.3	1.95	
Paris [e]	89	29	67.2	1.21	
Peoria *a*	.....	.....	.....	3.11	
Peoria *b*	88	35	66.8	4.22	
Philo	87	26	64.8	2.32	
Plumhill	88	28	66.2	2.31	
Pontiac	84	30	64.4	4.36	
Rantoul	86	26	64.4	3.77	
Raum	88	31	67.8	3.34	
Riley	85	28	60.8	3.29	
Robinson	87	26	66.2	0.70	
Rockford	87	34	63.8	2.53	
Rushville	87	30	65.6	4.41	
St. Charles	87	26	61.2	3.71	
St. John	91	29	69.4	1.89	
Shobonier	89[h]	28[h]	66.8[h]	0.62	
Streator	89	27	63.5	2.48	
Sullivan	89	28	66.1	1.38	
Illinois—Cont'd.	°	°	°	*Ins.*	*Ins.*
Sycamore	90	28	63.2	3.16	
Tilden	88	28	66.2	2.69	
Tiskilwa	83	31	62.4	3.72	
Tuscola	88	26	65.6	2.07	
Urbana	86	26	64.0	3.95	
Walnut	90	31	65.4	4.59	
Winchester	88	30	66.3	3.24	
Winnebago	86	28	62.4	3.73	
Yorkville	88	29	62.2	3.01	
Zion	86	29	62.5	5.28	
Indiana.					
Anderson	87	28	65.3	4.90	
Angola	86	26	61.7	2.44	
Auburn	90	26	62.0	3.04	
Bloomington	88	31	66.5	2.22	
Bluffton	88	24	62.6	1.89	
Butlerville	87	29	66.6	2.78	
Cambridge City	86	29	62.6	4.40	
Columbus	88	28	65.4	3.67	
Connersville	86	28	63.8	4.56	
Crawfordsville	89	30	66.9	4.68	
Delphi	88	26	64.6	2.36	
Edwardsville *[1]	86	34	70.0	2.69	
Elkhart	88	30	64.0	1.38	
Farmersburg	87	27[d]	66.2	1.36	
Farmland	85	30	63.2	5.59	
Fort Wayne	85	28	62.8	3.30	
Franklin *[1]	88	40	66.8	5.73	
Greencastle	85	30	65.5	4.26	
Greensburg	87	26	65.7	4.28	
Hammond	87	31	60.2	3.21	
Hector	89	27	63.6	3.30	
Holland	90	29	67.3	0.88	
Huntington	88	24	63.4	2.86	
Jeffersonville	91	34	68.8	2.42	
Kokomo	88	29	65.6	2.98	
Lafayette	86	29	65.0	2.71	
Laporte	83	27	58.5	2.59	
Logansport	88	28	64.6	3.57	
Madison *a*	93	30	68.5	2.08	
Madison *b*	.....	.....	.....	1.60	
Marengo	90	29	67.0	1.94	
Marion	90	26	65.1	4.12	
Markle	87	26	63.1	3.40	
Mauzy	87	27	64.4	4.29	
Moores Hill	87	30	65.8	3.78	
Mount Vernon	92	31	68.8	3.72	
Northfield	87	25	63.1	7.75	
Paoli	90	29	67.0	3.07	
Princeton	88	28	68.0	3.12	
Rensselaer	86	29	63.7	2.69	
Richmond	88	26	64.4	4.78	
Rockville	85	28	65.6	4.95	
Rome	93	31	68.4	1.74	
Salem	91	26	68.5	2.34	
Scottsburg	90	31	68.2	1.37	
Seymour	88	31	66.9	1.75	
South Bend	88	27	63.5	1.25	T.
Syracuse	91	26	64.2	1.73	
Terre Haute	90	31	67.8	3.20	
Topeka	90	27	62.0	0.52	
Valparaiso	87	27	62.8	2.43	
Veedersburg [g]	85	31	68.2	.....	
Vevay	90	32	67.6	2.70	
Vincennes	92	33	69.0	1.97	
Washington	90	29	67.6	1.67	
Winamac [e]	86	24	62.4	.....	
Indian Territory.					
Ardmore	92	32	68.1	3.29	
Chickasha	89	27	67.5	4.27	
Durant	100	33	69.8	3.59	
Fairland	85	29	65.3	11.55	
Goodwater	85	30	66.2	9.53	
Hartshorne	87	29	68.1	7.03	
Healdton	90	24	67.6	2.58	
Holdenville	85	33	66.7	10.35	
Marlow	86	32	66.0	3.34	
Muskogee	85	32	66.1	9.92	
Pauls Valley	88	24	65.3	3.75	
Ravia	90	32	69.0	3.43	
South McAlester	.....	.....	.....	5.66	
Tahlequah	88	38	68.2	10.89[h]	
Tulsa	.....	.....	.....	9.98	
Webbers Falls	87	35	67.9	10.31	
Iowa.					
Afton	84	27	63.6	11.90	
Albia	85	30	61.2	9.13	
Algona	83	31	61.4	8.05	
Allerton	83	28	62.6	8.20	
Alta	79	31	59.4	6.96	
Amana	85	29	62.8	7.30	
Ames	83	29	62.3	9.46	
Atlantic	83	25	62.0	12.37	
Baxter	83	27	62.2	11.70	
Bedford	81	24	61.8	9.83	
Belleplaine	83	30	62.8	7.53	
Bonaparte	84	28	63.6	4.30	
Britt	82	27	61.6	6.89	
Iowa—Cont'd.	°	°	°	*Ins.*	*Ins.*
Buckingham	.....	.....	.....	7.57	
Burlington	85	31	65.2	4.83	
Carroll	85	29	59.8	9.54	
Cedar Rapids	87	33	64.1	6.11	
Chariton	83	28	61.4	7.75	
Charles City	83	31	60.5	9.15	
Chester	81	27	59.6	9.44	
Clarinda	84	27	62.9	9.97	
Clearlake	91	29	62.6	7.54	
Clinton	91	28	64.2	5.45	
College Springs	82	28	62.8	9.10	
Columbus Junction	87	31	64.2	5.33	
Corning	81	30	61.5	10.68	
Corydon	82	27	61.8	7.70	
Council Bluffs	86	29	58.2	10.01	
Cumberland	.....	.....	.....	8.27	
Decorah	87	32	61.4	6.75	
Delaware	83	28	60.6	4.77	
Denison	81	29	58.8	9.92	
Desoto	82	31	62.5	8.38	
Dows	80	29	60.4	9.33	
Earlham	81	24	60.0	11.60	
Elkader	88	30	62.1	5.89	
Estherville	86	29	55.2	10.69	
Fayette	88	28	60.0	6.65	
Forest City	82	30	59.6	10.17	
Fort Dodge	82	31	60.0	.....	
Fort Madison	.....	.....	.....	2.88	
Galva	80	27	60.2	10.07	
Gilman	.....	.....	.....	8.24	
Grand Meadow	82	30	61.0	8.33	
Greene	84	30	61.8	6.37	
Greenfield	80	28	60.7	13.50	
Grinnell	81	30	61.7	12.69	
Grundy Center	82	29	61.0	11.04	
Guthrie Center	84	29	62.4	14.16	
Hampton	83	31	62.1	7.95	
Hanlontown	80	30	60.4	7.67	
Harlan	83	26	61.3	10.43	
Hopeville	83	29	62.2	8.59	
Humboldt	89	30	61.8	7.50	
Idagrove	81	31	61.2	8.40	
Independence	81	28	60.8	6.78	
Indianola	83	30	63.1	8.39	
Iowa City	90	29	63.8	6.90	
Iowa Falls	82	28	60.6	7.17	
Jefferson	.....	.....	.....	14.29	
Keosauqua	87	29	64.2	4.84	
Lacona	.....	.....	.....	11.35	
Lansing	85	27	62.8	7.30	
Larchwood	86	28	59.6	8.33	
Larrabee [d]	84	30	59.6	10.52	
Leclaire	.....	.....	.....	4.27	
Lemars	80	31	59.2	9.89	
Lenox	80	30	61.9	10.58	
Leon	84	29	63.3	7.25	
Logan	84	29	62.0	5.77	
Maple Valley	.....	.....	.....	7.27	
Maquoketa	86	27	61.2	6.55	
Marshalltown	85	29	62.5	8.46	
Mason City	82	32	61.6	7.57	
Monticello	85	29	62.2	6.30	
Mountayr	83	27	61.7	8.90	
Mount Vernon	87	29	62.3	7.05	
New Hampton	79	29	59.8	6.46	
Newton	82	28	61.4	13.07	
Northwood	80	31	60.2	6.95	
Odebolt	83	29	61.5	7.93	
Ogden	84	26	60.0	10.95	
Olin	87	27	62.0	5.55	
Onawa	83	31	62.2	14.76	
Osage	81	30	60.2	8.23	
Osceola	83	28	61.6	7.16	
Oskaloosa	80	30	62.8	9.68	
Ottumwa	87	36	63.2	7.90	
Pacific Junction	83	28	62.8	12.43	
Pella	83	29	62.8	10.16	
Perry	85	30	63.0	11.41	
Plover	83	30	61.3	8.01	
Primghar	78	32	59.0	7.62	
Redoak	79	33	62.8	11.74	
Ridgeway	86	30	62.8	8.70	
Rockwell City	83	32	61.4	11.09	
Ruthven	81	32	61.0	5.78	
Sac City	85	30	61.6	8.85	
Scranton	83	31	61.4	12.06	
St. Charles	87	31	62.4	10.28	
Sheldon	79	30	58.6	9.00	
Sibley	80	29	58.6	9.00	
Sigourney	88	29	64.1	8.69	
Sioux Center	80	30	57.8	7.73	
Spirit lake [h]	82	43	60.7	13.03	
Stockport	.....	.....	.....	53.1	
Storm Lake	78	34	59.4	4.72	
Stuart	88	20	62.5	10.54	
Thurman	83	29	62.7	15.45	
Tipton	87	32	64.6	6.20	
Toledo	82	29	61.1	8.78	

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Iowa—Cont'd.	°	°	°	*Ins.*	*Ins.*
Villisca	82	27	59.5	13.66	
Vinton *[1]	83	22	62.4	5.30	
Wapello	85	33	64.0	5.59	
Washington	86	27	62.0	5.12	
Washta	.....	.....	.....	10.80	
Waterloo	84	30	61.4	7.85	
Waukee	.....	.....	.....	10.78	
Waverly	82	30	61.0	6.66	
Westbend	84	31	61.0	8.69	
Westbranch	.....	.....	.....	6.76	
West Union	.....	.....	.....	8.28	
Whitten	82[e]	27[e]	62.0[e]	10.44	
Wilton Junction	88	29	63.8	5.89	
Winterset	85	27	64.0	9.20	
Woodburn	.....	.....	.....	7.23	
Kansas.					
Achilles	87	30	56.7	3.94	
Alton	89	30	62.0	10.27	
Anthony	.....	.....	.....	8.42	
Atchison	88	31	64.7	11.80	
Baker	84	30	62.8	12.48	
Beloit	84	30	60.6	9.20	
Burlington	85	28	64.1	7.66	
Chanute	86	30	63.5	9.93	
Clay Center	86	28	62.8	13.36	
Colby	86	32	57.2	3.00	
Columbus	85	29	64.2	14.47	
Cottonwood	85	28	63.4	9.15	
Dresden	86	33	58.0	4.79	
Ellinwood	88	30	62.6	6.49	
Emporia	85	31	62.4	8.96	
Englewood	88	30	63.2	6.35	
Eureka	.....	.....	.....	10.37	
Eureka Ranch	87	31	59.6	5.98	
Fall River	84	28	63.8	11.02	
Farnsworth	88	30	59.7	2.32	
Forsha	87	30	61.5	5.53	
Fort Leavenworth	85	31	64.5	10.50	
Fort Scott	87	29	64.0	7.84	
Frankfort	87	27	63.2	16.34	
Garden City	92	35	60.8	1.49	
Grenola	83	24	62.2	14.33	
Hanover	87	29	62.6	14.25	
Hays	88	25	59.6	10.08	
Holton	.....	.....	.....	13.09	
Horton	84	30	63.2	13.32	
Hoxie	89	30	59.0	3.10	
Hutchinson	87	27	61.7	7.51	
Independence	87	31	65.8	9.73	
Jetmore	89	34	61.2	3.66	
La Crosse	87	28	60.2	5.66	
Lakin	89	35	60.9	2.54	
Lebanon	84	30	60.5	10.70	
Lebo	85	31	64.0	8.59	
Leoti	89	29	58.8	4.71	
Macksville	88	28	60.2	6.65	
McPherson	89	27	62.3	10.85	
Madison	84	20	62.9	9.27	
Manhattan	89	28	65.2	9.60	
Marion	89[e]	26[e]	64.4[e]	7.85	
Meade	88[h]	33[h]	60.4[h]	3.45	
Medicine Lodge	90	31	64.2	6.86	
Minneapolis	88	29	61.7	9.30	
Moran	83	30	64.1	6.96	
Mounthope *[1]	85	38	62.4	5.71	
Ness City	91	32	62.6	4.27	
Newton	90	23	61.2	8.93	
Norwich	84	31	62.9	6.56	
Oberlin	.....	.....	.....	6.45	
Olathe	80	30	63.4	11.14	
Osborne	.....	.....	.....	11.06	
Oswego	84	30	64.8	12.04	
Ottawa	84	26	63.6	7.93	
Paola	.....	27	.....	8.47	
Phillipsburg	.....	.....	.....	8.51	
Pittsburg	83	32	65.0	13.20	
Pleasanton	84	29	65.0	7.21	
Pratt	88	28	62.0	6.55	
Republic	86	28	61.5	17.13	
Rome	86	31	63.6	9.63	
Salina	91	29	63.0	17.34	
Sedan	85	28	64.2	10.34	
Toronto	85	26	63.4	9.28	
Ulysses	90	34	61.0	1.85	
Valley Falls	83	28	63.0	7.40	
Viroqua	90	34	60.4	1.88	
Wakeeney	.....	.....	.....	7.45	
Wallace	87	30	58.6	2.77	
Walnut	83	31	64.2	10.67	
Wamego *[1]	85	36	62.9	13.11	
Winfield	84	30	63.2	9.12	
Yates Center	85	27	63.3	8.51	
Kentucky.					
Alpha	98	38	68.8	3.62	
Anchorage	89	33	67.7	2.84	
Bardstown	92	36	69.4	1.72	
Beattyville	.....	.....	.....	1.78	
Beaver Dam	89	33	67.8	3.96	
Kentucky—Cont'd.	°	°	°	*Ins.*	*Ins.*
Berea	92	33[1]	.....	2.02	
Blandville	87	33	68.0	4.43	
Bowling Green	93	33	68.8	4.95	
Burnside	90	37	67.1	2.83	
Cadiz	94	34	68.8	4.94	
Catlettsburg	89	33	67.6	1.58	
Earlington	88	34	67.5	5.92	
Edmonton	89	33	67.8	3.69	
Eubank	88	33	65.7	3.08	
Falmouth	.....	.....	.....	2.22	
Fords Ferry	87	29	67.6	4.25	
Frankfort	89	35	66.6	1.03	
Franklin	90	38	69.2	1.80	
Greensburg	90	34	67.4	4.27	
Highbridge	90	35	67.9	1.01	
Hopkinsville	88	33	67.8	6.18	
Irvington	91	34	69.7	1.14	
Jackson	90	35	67.6	1.44	
Leitchfield	88	35	68.0	4.65	
Loretto	89	31	67.1	2.80	
Manchester	93	34	67.6	2.15	
Marrowbone	94[d]	32[d]	68.7[d]	4.20	
Mayfield	86	34	68.1	2.07	
Maysville	93	32	67.8	2.41	
Middlesboro	91	35	66.0	4.11	
Mount Sterling	91	33	68.4	1.51	
Owensboro	87	36	68.8	2.50	
Owenton	87	34	65.9	3.00	
Paducah *a*	.....	.....	.....	3.75	
Paducah *b*	93	38	71.0	3.92	
Princeton	89	32	68.2	5.69	
Richmond	94	36	70.6	3.32	
St. John	87	33	67.2	3.86	
Scott	88	31	66.4	3.87	
Shelby City	88	32	66.2	2.61	
Shelbyville	94	35	69.1	0.92	
Taylorsville	91	33	67.2	0.52	
Williamsburg	90	35	67.1	2.78	
Williamstown	88	32	66.2	3.18	
Louisiana.					
Abbeville	93	46	73.2	2.00	
Alexandria	93	43	72.2	1.07	
Amite	91	47	72.4	3.14	
Baton Rouge	90	46	72.2	2.53	
Burnside	88	46	72.2	2.28	
Calhoun	91	40	70.1	3.90	
Cameron	85	51	73.6	2.50	
Cheneyville	91	48	72.1	2.08	
Clinton	89	45	71.4	2.75	
Collinston	90	38	70.9	4.21	
Covington	91	48	73.4	1.66	
Donaldsonville	89	48	72.8	3.58	
Emilie	88	48	72.5	0.93	
Farmerville	86	38	69.5	4.11	
Franklin	92	47	74.0	1.57	
Grand Coteau	91	47	72.9	3.03	
Hammond	91	47	72.0	1.47	
Houma	92	45	72.8	1.99	
Jennings	88[d]	40[b]	69.6[c]	5.14	
Lafayette	89	47	73.0	3.30	
Lake Charles	88[i]	46	71.6[e]	2.59	
Lake Providence	90	43	70.2	4.15	
Lakeside	86	48	72.4	2.23	
Lawrence	88	50	73.0	1.77	
Leesville	89	38	70.4	1.57	
Libertyhill	90	38	70.3	5.97	
Mansfield	89	36	68.6	1.20	
Melville	91	48	72.2	2.46	
Minden	92	39	71.2	3.29	
Monroe	90	42	72.0	5.05	
New Iberia	86[e]	49[e]	73.6[e]	1.90	
Opelousas	91	45	72.3	3.65	
Oxford	91	30	68.3	1.42	
Paincourtville	88	48	71.8	2.30	
Plain Dealing	87	35	68.8	4.09	
Port Eads	86	59	73.4	3.05	
Rayne	93	46	73.2	2.63	
Reserve	92	44	72.6	0.92	
Robeline	90	35	68.9	1.90	
Ruston	88[a]	35[a]	69.4[a]	4.03	
St. Francisville	98[c]	50[c]	72.6[c]	0.50	
Schriever	91	46	71.8	1.57	
Sugar Experiment Station	89	51	73.9	2.02	
Sugartown	88	45	69.3	2.87	
Venice	86	58	71.4	2.67	
Wallace	92	48	73.4	1.35	
Maine.					
Bar Harbor	84	27	52.6	1.65	
Belfast	83	25	53.4	0.53	
Cornish	90	25	57.6	0.27	
Danforth	.....	.....	.....	0.65	
Fairfield	89	26	56.2	0.37	
Farmington	91	23	55.8	0.59	
Fort Fairfield	88[f]	12[f]	52.5[f]	0.35	
Gardiner	92	27	55.8	0.45	
Houlton	88	24	55.4	0.30	
Lewiston	90	28	57.4	0.35	
Mayfield	85	21	54.1	0.58	
Maine—Cont'd.	°	°	°	*Ins.*	*Ins.*
Millinocket	82	26	54.8	0.72	
North Bridgton	92	25	56.2	0.54	
Orono	83	23	54.4	0.73	
Patten	85	22	52.2	0.12	
Rumford Falls	90	27	54.4	0.18	
South Lagrange *[1]	85	33	54.7	.....	
The Forks	.....	.....	.....	0.61	
Vanburen	88	18	57.5	1.56	
Vanceboro	80	30	55.2	0.20	
Winslow	.....	.....	.....	0.31	
Maryland.					
Annapolis	90	.....	.....	3.50	
Bachmans Valley	89	28	62.2	4.78	
Boettcherville	94	28	65.0	2.70	
Boonsboro	92	33	65.0	2.49	
Cambridge	92	39	66.2	1.81	
Chase	80	.....	.....	1.60	
Cheltenham	93	36	64.8	2.98	
Chestertown	87	32	63.2	1.86	
Chewsville	90	31	62.0	4.28	
Clearspring	91	34	63.4	2.00	
Coleman	92	35	65.6	1.20	
Collegepark	91	31	62.0	3.10	
Colora	.....	.....	.....	2.99	
Cumberland	.....	.....	.....	1.92	
Darlington	97	32	64.4	3.38	
Deerpark	88[e]	24[e]	57.8[e]	4.35	
Denton	.....	34	.....	0.35	
Easton	93	34	64.3	1.58	
Fallston	91	32	63.2	2.13	
Frederick	91	30	64.2	2.65	
Grantsville	87	25	58.8	2.79	
Greatfalls	94[a]	28[a]	63.4[a]	1.89	
Greenspring Furnace	94	35	64.8	1.18	
Hancock	95[a]	28[a]	64.7[a]	1.90	
Harney	.....	.....	.....	3.81	
Jewell	92	39	64.5	2.34	
Johns Hopkins Hospital	92	36	66.0	3.42	
Laurel	95	34	64.0	2.62	
McDonogh	90	39	63.8	2.74	
Mount St. Marys College	90	34	64.0	3.86	
New Market	90	31	64.0	2.75	
Pocomoke City	91	38	65.4	0.98	
Prince Fredericktown	92	39	65.5	4.12	
Princess Anne	90	35	62.8	1.25	
Sharpsburg	90	34	64.4	3.10	
Solomons	93	41	65.6	2.81	
Sudlersville	94	34	64.9	1.41	
Sunnyside	93	25	62.3	4.50	T.
Takoma Park	93	35	64.1	2.09	
Van Bibber	90	34	64.2	3.18	
Westernport	90	29	63.4	2.93	
Woodstock	90	33	64.4	2.61	
Massachusetts.					
Amherst	92	24	59.8	0.48	
Bedford	86	28	58.2	0.63	
Bluehill (summit)	89	29	58.0	1.28	
Cambridge	90	30	59.3	0.38	
Chestnuthill	91	30	59.4	0.79	
Cohasset	.....	.....	.....	0.76	
Concord	91	26	57.0	0.76	
East Templeton *[1]	87	33	58.0	1.36	
Fall River	87	33	59.1	1.08	
Fitchburg *a* *[1]	88	35	58.7	1.20	
Fitchburg *b*	91	29	59.7	1.05	
Framingham	91	28	59.2	1.15	
Groton	89	25	57.5	1.16	
Hyannis	.....	.....	.....	0.96	
Jefferson	.....	.....	.....	1.27	
Lawrence	90	31	58.9	0.64	
Leominster	.....	.....	.....	1.33	
Lowell *a*	90	31	60.9	0.82	
Lowell *b*	92	29	59.8	0.00	
Ludlow Center	89	21	56.2	1.06	
Middleboro	90	22	56.4	0.49	
Monson	88	25	58.4	1.07	
New Bedford *b*	86	32	57.8	0.81	
Plymouth *[1]	85	27	56.4	0.67	
Princeton	.....	.....	.....	1.74	
Provincetown	85	37	57.5	0.56	
Salem	.....	.....	.....	0.27	
Somerset *[1]	98	32	61.8	0.68	
Sterling	.....	.....	.....	0.97	
Taunton	90	28	56.5	0.35	
Webster	.....	.....	.....	0.73	
Westboro	92	28	60.7	0.97	
Weston	89	28	56.9	0.81	
Williamstown	84	25	58.4	0.63	
Winchendon	.....	.....	.....	1.29	
Worcester *b*	91	30	60.7	0.88	
Michigan.					
Adrian	90	.....	.....	1.37	
Agricultural College	87	23	59.5	2.63	
Allegan	86[d]	24[d]	60.8[d]	1.46	
Alma	85	24	58.6	3.97	T.
Ann Arbor	88	25	60.2	2.23	
Anupere	78	37	57.4	0.52	
Arbela	87	23	59.4	6.13	

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Michigan—Cont'd.	°	°	°	*Ins.*	*Ins.*
Baldwin	89	15	58.4	2.43	
Ball Mountain	84	23	57.8	3.56	
Baraga	88	14	48.6	.....	
Battlecreek	86	25	60.4	2.39	
Bay City	85	24	57.8	1.95	
Benzonia	83	26	54.6	2.13	T.
Berlin	86	24	57.4	4.18	
Berrien Springs	88	27	62.2	2.05	T.
Big Rapids	86	20	56.9	3.01	
Birmingham	87	26	59.1	2.09	
Boon	83	15	54.0	2.73	T.
Calumet	81	25	51.5	5.77	3.0
Cassopolis	89	30	63.8	0.60	
Charlevoix	81	27	55.2	1.55	
Chatham	82	12	51.6	4.12	T.
Cheboygan	83	22	52.6	2.33	
Clinton	92	25	61.8	2.49	
Coldwater	88	26	62.9	1.17	
Deerpark	84	24	49.2	3.45	
Detour	78	21	50.5	2.31	
Dundee	87	28	60.6	0.94	
Eagle Harbor	84	20	47.7	5.44	2.0
East Tawas	80	22	51.8	1.83	
Eloise	89	25	60.4	1.79	
Ewen	85	20	52.9	5.94	
Fennville	85	24	61.0	2.23	
Fitchburg	86	22	58.8	2.82	
Flint	89	24	58.0	3.93	
Frankfort	84	34	57.1	2.86	
Gaylord	84	16	54.0	1.00	
Gladwin	86	21	56.8	2.40	
Grand Marais	79	31	49.8	2.87	
Grand Rapids	87	21	59.5	2.28	
Grape	90[e]	26[e]	59.7[e]	1.59	
Grayling	87	21	57.2	3.60	T.
Hagar	88	28	63.1	1.59	
Hanover	89	23	59.6	2.30	
Harbor Beach	86	24	53.6	3.55	
Harrison	75	20	51.9	2.20	
Harrisville	85	32	52.4	2.95	
Hart	89	.....	.....	2.05	
Hastings	90	20	60.4	2.47	
Hayes	86[e]	28[e]	56.6[e]	1.89	
Highland Station	.....	.....	.....	2.63	
Hillsdale	88	21	60.2	3.23	
Humboldt	83	20	49.9	2.33	T.
Ionia	85[e]	22[e]	59.2[e]	2.00	
Iron Mountain	84	20	54.0	6.63	
Iron River	83	10	52.6	6.45	
Ironwood	82	18	52.8	4.77	T.
Ishpeming	84	17	52.2	8.71	
Ivan	85	17	55.9	1.53	
Jackson	90	25	62.1	3.56	
Jeddo	86	24	57.2	3.75	
Kalamazoo	84[i]	25	60.6[e]	2.50	
Lake City	73	35	58.1	1.83	
Lansing	82	30	60.4	2.07	
Lapeer	87	23	58.2	2.64	
Lincoln	84	.....	.....	.....	
Ludington	81	27[c]	55.0	0.84	
Mackinac Island	77	24	50.9	2.91	
Mackinaw	78	26	51.8	2.75	
Mancelona	84	26	58.6	0.50	
Manistee	83	34	58.8	.....	
Manistique	72	20	48.6	3.14	
Menominee	82	24	52.4	4.07	
Midland	87	23	58.8	2.48	
Mio	85	18	54.4	2.70	T.
Montague	80	25	58.0	1.43	
Mount Pleasant	87	24	59.0	3.06	
Muskegon	82	29	59.8	2.38	
Old Mission	85	27	55.4	1.35	
Olivet	84	27	60.3	2.75	
Omer	85	12	53.8	.....	
Onaway	87	18	55.6	2.80	
Ontonagon	88	20	49.0	6.68	
Ovid	85	23	59.3	2.84	
Owosso	91[g]	31	63.7[e]	0.80	
Petoskey	83	26	54.8	1.24	T.
Port Austin	87	25[f]	54.6[d]	3.05	
Powers	86	19	52.8	.....	
Roscommon	88	20	56.8	2.25	
Saginaw	88	24	61.0	3.15	T.
St. Ignace	79	22	54.0	1.46	
St. Johns	87	25	60.2	.....	
St. Joseph	84	.....	.....	1.45	
Slocum	.....	.....	.....	0.76	
Somerset	83[e]	22[e]	57.8[e]	2.05	
South Haven	84	30	60.6	2.39	
Thomaston	85	19	53.0	5.94	
Thornville	85	26	60.0	3.39	
Traverse City	91	32	55.6	2.53	
Vassar	86	23	60.0	2.76	
Wasepi	86	25	60.8	1.62	
Waverly	88	26	60.0	1.52	
Webberville	88	27	58.7	1.52	
West Branch	85[f]	19[f]	55.1[f]	2.91	T.
Wetmore	76	15	46.4	2.20	
Michigan—Cont'd.	°	°	°	*Ins.*	*Ins.*
Whitecloud	88	17	57.4	1.72	
Whitefish Point	69	21	46.9	3.51	T.
Ypsilanti	86	23	58.6	2.07	
Minnesota.					
Ada	84[e]	27[e]	55.5[e]	2.67	
Albert Lea	81	30	59.8	7.99	
Alexandria	79	31	56.3	2.75	
Angus	85	19	55.0	2.40	
Ashby	78	26	56.6	4.75	
Beardsley	83	28	56.6	3.20	
Beaulieu	83	23	54.8	3.32	
Bemidji	81	24	56.8	3.01	
Bird Island	81	27	56.8	4.67	
Blooming Prairie	80	30	58.6	10.00	
Caledonia	85	29	58.8	9.43	
Campbell	83	23	56.6	2.49	
Collegeville	79	30	57.4	4.02	
Crookston	85	24	54.9	3.74	
Deephaven	.....	.....	.....	6.12	
Detroit	80	22	54.4	3.77	
Duluth (sub station)	76	26	47.6	3.59	
Faribault	80	29	58.2	7.74	
Farmington	80	32	58.2	6.39	
Fergus Falls	81	26	57.5	2.45	
Floodwood	79	11	53.8	3.90	
Glencoe	80	32	58.3	4.30	
Grand Meadow	84	23	59.4	9.42	
Hallock	86	21	54.6	2.30	
Lake Winnibigoshish	78	22	54.2	4.00	
Leech	83	18	53.9	4.35	
Long Prairie	81	22	56.6	3.30	
Luverne	78	30	56.7	8.20	
Lynd	81	32	57.3	6.40	
Mapleplain	83	30	58.0	4.89	
Milaca	80	21	55.6	4.53	
Milan	82	30	57.8	3.97	
Minneapolis *1	83	30	58.4	4.96	
Montevideo	82	32	57.4	4.66	
Morris	80	29	57.6	3.84	T.
Mount Iron	83	11	53.5	3.87	T.
New London	80	30	57.2	3.48	
New Richland	80	31	59.3	5.98	
New Ulm	84	26	60.8	6.22	
Park Rapids	80	22	54.4	3.99	
Pine River	81	15	54.6	4.42	
Pipestone	78	32	57.0	6.77	
Pleasant Mounds	80	31	59.0	6.20	
Pokegama Falls	82	14	53.6	4.43	
Redwing *a*	.....	.....	.....	8.44	
Redwing *b*	80	30	59.6	7.88	
Reeds	.....	.....	.....	7.62	
Rolling Green	82	27	58.8	10.17	
St. Cloud	81	30	59.0	5.46	
Sandy Lake Dam	79	18	55.1	3.69	
Shakopee	81	31	58.8	5.67	
Thief River Falls	83	24	55.2	4.25	
Tower	83	20	52.1	3.80	
Two Harbors	71	27	46.1	4.03	2.0
Wabasha	86	29	62.0	8.76	
Warroad	80	24	53.7	.....	
Willow River	85	19	54.5	4.02	
Winnebago	86	32	60.4	7.99	
Winona	84	31	60.7	9.55	
Worthington	77	29	56.6	12.68	
Wyoming	.....	.....	.....	5.35	
Zumbrota	84	30	59.2	.....	
Mississippi.					
Aberdeen	98	39	71.3	4.20	
Agricultural College	91	40	70.8	8.33	
Austin	89	37	69.0	5.21	
Batesville	91	41	69.7	6.77	
Bay St. Louis	87	52	74.5	3.97	
Biloxi	87	54	73.7[a]	1.40	
Boggan	91	42	70.0	2.94	
Booneville	88	39	69.4	5.51	
Canton	92	40	70.9	1.41	
Columbus *a*	.....	.....	.....	7.70	
Columbus *b*	87	41	68.8	7.87	
Corinth	84	40	66.4	5.32	
Crystal Springs	90	41	70.8	4.32	
Duck Hill	97	34	70.2[b]	3.54	
Edwards	91	41	71.6	1.50	
Fayette	88	42	70.0	4.25	
Fayette (near)	.....	.....	.....	3.88	
Greenville *a*	87	41	70.2	2.42	
Greenville *b*	90	41	71.8	2.41	
Greenwood	92	37	70.6	3.69	
Hattiesburg	93	46	72.2	4.29	
Hernando	88	37	69.6	6.27	
Holly Springs	90	37	69.3	7.27	
Indianola	92	38	70.0	3.07	
Jackson	91	42	69.9	1.76	
Kosciusko	92	39	70.2	3.34	
Lake	88	40	68.5	3.50	
Lake Como	90	42	69.4	2.45	
Laurel	95[e]	46[e]	72.8[e]	3.11	
Leakesville	93	47	71.3	3.72	
Louisville	88	38	68.8	5.92	
Mississippi—Cont'd.	°	°	°	*Ins.*	*Ins.*
McNeill	92	48	71.6	1.36	
Macon	96	40	71.8	5.81	
Magnolia	90	45	71.0	4.13	
Nittayuma	92	40	72.4	1.95	
Okolona	95	40	72.2	5.40	
Patmos	.....	.....	.....	3.39	
Pearlington	89	50	71.8	2.15	
Pittsboro	92	36	69.8	3.17	
Pontotoc	87	37	69.6	4.14	
Poplarville	90	47	72.0	1.84	
Ripley	90	35	68.4	6.31	
Shoccoe	91	43	70.7	2.51	
Stonington	.....	.....	.....	4.78	
Suffolk	91	42	70.3	3.41	
Swartwout	87	51	70.6	5.93	
Thornton	88	46	71.4	1.95	
Tupelo	92	38	70.0	5.64	
University	90	36	70.3	3.60	
Walnutgrove	92[c]	40[b]	71.0[c]	2.05	
Watervalley	91	37	69.0	4.47	
Waynesboro	90	46	69.6	1.65	
Westpoint	92	38	71.6	7.96	
Woodville	90	43	71.6	3.30	
Yazoo City	91	42	72.0	1.55	
Missouri.					
Arthur	85	28	63.4	9.68	
Avalon	86	30	66.2	3.36	
Bethany	84	27	63.2	8.19	
Birchtree	84	33	65.8	8.49	
Blue Springs	84	28	62.4	7.05	
Boonville	.....	.....	.....	5.24	
Brunswick	85	31	64.6	5.97	
Carrollton	83[d]	29[d]	64.0[d]	9.91	
Caruthersville	91	40	69.6	5.49	
Conception	84	31	63.5	8.67	
Cowgill	.....	.....	.....	5.14	
Darksville	83	31	64.1	3.80	
Dean	84	25	64.2	9.87	
Desoto	87	27	65.2	4.19	
Downing	.....	.....	.....	8.08	
Edgehill	86	28	65.6	6.42	
Edwards	86	27	65.6	6.50	
Eightmile *3	.....	35	.....	7.92	
Eldon	88[d]	28[d]	64.6[d]	5.23	
Fairport	.....	.....	.....	9.11	
Fayette	86	30	65.4	5.18	
Fulton	89	27	65.4	5.01	
Gallatin *1	84	32	64.3	10.36	
Glasgow	86	30	65.0	3.65	
Gorin	.....	.....	.....	5.94	
Grant City	81	29	62.6	7.58	
Halfway	84	29	64.2	8.34	
Harrisonville	86	28	64.1	9.24	
Hazlehurst	.....	.....	.....	7.53	
Hermann	.....	.....	.....	5.15	
Houston	88	27	66.0	8.61	
Huntsville	85	31	64.8	4.18	
Ironton	89	26	66.1	4.44	
Jackson	88	29	66.9	4.70	
Jefferson City	90	28	65.9	5.27	
Joplin	84	32	65.9	11.64	
Kidder	83	31	63.2	8.64	
Koshkonong	84	32	65.2	8.69	
Lamar	85	29	65.4	13.32	
Lamonte	.....	.....	.....	5.56	
Lebanon	87	29	65.8	8.47	
Lexington	84	29	64.4	7.15	
Liberty	83	27	64.0	8.47	
Louisiana	88	26	65.3	3.34	
Macon	87	30	64.8	4.86	
Marblehill	89	28	67.4	4.46	
Marshall	84	29	64.0	6.34	
Maryville	88	29	62.5	9.71	
Mexico	88	28	65.1	4.78	
Miami *5	83	38	65.2	9.13	
Mineralspring	85	28	65.4	10.50	
Monroe City	86	29	64.2	4.74	
Montreal	88	23	64.2	5.24	
Mountaingrove	82	28	63.9	10.05	
Mount Vernon	85	27	65.5	9.57	
Neosho	86	25	65.0	8.88	
Nevada	.....	.....	.....	9.27	
New Haven	92	31	67.6	6.36	
New Madrid *b*	.....	.....	.....	4.43	
New Palestine	84	33	65.2	5.41	
Oakfield	89	31	66.9	5.70	
Olden	89	27	66.8	8.55	
Oregon	83	30	63.4	12.72	
Pine Hill	.....	.....	.....	4.19	
Poplarbluff	87	28	67.0	5.01	
Princeton	86	31	64.4	9.57	
Protem	85	28	65.4	9.05	
Richmond	.....	.....	.....	6.55	
Rockport	.....	.....	.....	14.01	
Rolla	.....	.....	.....	7.27	
St. Charles	90	30	67.6	3.73	
St. Joseph	.....	.....	.....	7.94	
Sarcoxie	.....	.....	.....	11.69	

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Missouri—Cont'd.	°	°	°	*Ins.*	*Ins.*
Sedalia	89	30[c]	65.4	4.80	
Seymour	83	28	63.4	9.78	
Shelbina				7.82	
Sikeston	84	31	67.3	4.29	
Steffenville	85	31	64.9	7.48	
Sublett	84	27	63.4	6.35	
Trenton	84	32	64.3	10.24	
Unionville	84	29	64.2	5.78	
Vichy	88	25	64.8	6.21	
Warrensburg	90	31	65.5	8.75	
Warrenton	90	30	66.4	5.07	
Wheatland				7.00	
Willowsprings	85	24	64.4	11.80	
Windsor	83	29	64.2	4.85	
Zeitonia	90	29	66.6	4.29	
Montana.					
Adel	80	22	44.9	1.85	7.5
Augusta	84	24	47.2	2.48	8.0
Billings	90[d]	22[d]	48.2[d]		
Boulder	83	22	45.8	1.70	8.5
Bozeman	82	21	47.1	2.58	
Butte	81	21	45.8	1.20	
Chester	90	20	53.8	0.44	4.0
Canyon Ferry	87	27	50.4	0.93	2.0
Chinook	95	29	52.4	3.40	
Columbia Falls	90	25	46.8[a]	3.99	0.2
Culbertson	98	21	52.4	4.04	T.
Crow Agency	90	29	54.7	1.50	
Dayton	87	28	48.2	1.21	T.
Deerlodge	83	25	46.3		
Dillon	84	24	48.4	2.12	17.0
Fort Benton	90	28	50.0	3.23	6.5
Glasgow	98	22[b]	55.1[d]	5.35	
Glendive	95	30	51.8	1.29	T.
Greatfalls	89	27	51.0	1.84	
Hamilton	90	18	51.7	0.70	
Hayden	93	27	50.6	0.35	
Lamedeer	92	22	52.7	0.76	
Lewistown	88	20	47.6	4.70	23.0
Livingston	85	10	43.6	2.25	
Manhattan	88	24	50.2	0.86	
Marysville	79[d]	19[d]	44.0[d]	2.72	22.5
Missoula	89	31	51.8	1.50	T.
Ovando	86	23	45.2	0.80	T.
Parrot	84	25	48.8	0.90	4.6
Plains	87	29	49.1	0.80	
Poplar	97	24	53.0	2.65	
Redlodge	81	21	45.8	2.04	6.7
Ridgelawn	96	20	53.4	4.64	T.
St. Pauls	89	25	49.1	4.03	22.0
St. Peter	83	23	45.0	4.05	37.0
Springbrook	95	20	51.8	1.93	1.0
Summit	79	14	42.7	4.77	4.5
Toston	87	17	43.8		
Townsend				0.65	
Twin Bridges	84[a]	24[a]	47.8[a]	0.40	2.0
Twodot	84	15	45.4	1.80	18.0
Utica	89	26	48.6	1.82	4.0
Wibaux	92	19	52.2	3.83	T.
Wolf Creek	86	25	47.8	2.85	12.5
Yale	80	25	46.4	1.31	6.5
Nebraska.					
Agate	82	23	51.1	3.07	
Agee*[1]	88	34	56.9	7.38	
Albion	86[a]	26[a]	58.0[a]	6.91	
Alliance	90	29	55.2	2.60	
Alma	87	32	60.0	9.90	
Ansley	82	30	60.6	9.64	
Arapahoe				8.46	
Arcadia	81	30	58.0	6.42	
Ashland *a*	87	33	62.9	10.67	
Ashland *b*				12.31	
Ashton				7.61	
Auburn	85	30	63.1	13.26	
Aurora	85	32	59.9	12.03	
Bartley	89	28	59.7	6.60	
Beatrice	83	31	61.7	12.11	
Beaver	87	32	59.4	11.05	
Bellevue				15.78	
Benedict				13.01	
Benkleman				4.97	
Blair	84	25	61.2	9.54	
Bluehill				10.51	
Bradshaw				17.22	
Bridgeport	84	25	55.0	1.76	
Brokenbow	81	28	57.4	5.40	
Burchard				11.06	
Burwell				7.07	
Callaway	81	30	56.8	5.45	
Cedar Rapids	81[b]	33[b]	57.7[b]	6.14	
Central City				13.57	
Chester				15.00	
Cody				1.74	
Columbus	82	33	61.2	9.46	
Crete	84	33	61.4	10.91	
Culbertson				6.73	
Curtis	85[f]	29[f]	59.9[f]	4.78	
Dannebrog				8.50	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Nebraska—Cont'd.	°	°	°	*Ins.*	*Ins.*
David City	80	30	59.8	13.09	
Dawson	84	30	63.3	11.61	
Edgar				13.90	
Ericson				4.25	
Ewing				4.76	
Fairbury	88	29	60.3	13.27	
Fairmont	81	23	58.8	12.37	
Fort Robinson	84	16	52.2	2.29	
Franklin	84[b]	27[b]	59.1[b]	9.98	
Fremont	83	29	61.0	10.94	
Geneva	86	33	59.7	13.78	
Genoa (near)	80	33	60.0	7.51	
Gering	83[a]	26[a]	54.2[a]	1.71	
Gordon				3.40	
Gosper				6.86	
Gothenburg	86[d]	32[d]	56.6[d]	3.93	
Grand Island *a*				12.47	
Grand Island *b*	82	31	58.8	12.27	
Greeley				6.45	
Guide Rock				13.75	
Haigler				2.98	
Halsey	91	31	58.0	5.19	
Hartington	85	19	59.1	8.14	
Harvard	83	30	59.2	9.72	
Hastings*[1]	82	35	59.0	10.92	
Hayes Center				5.48	
Hay Spring	83	28	51.0	3.91	
Hebron	84	31	60.4	14.01	
Hickman				11.94	
Holbrook				6.31	
Holdrege				12.36	
Hooper*[1]	84	38	61.8	14.09	
Imperial	87	32	58.0	3.17	
Johnstown				2.65	
Kearney	83			8.64	
Kennedy	86	30	57.2	4.48	
Kimball	81	28	52.8	1.56	
Kirkwood	84	32	59.6	6.66	
Leavitt	84	32	62.8	15.51	
Lexington	80	29	56.7	5.80	
Lockridge	82	32	59.4	13.55	
Lodgepole	85	28	55.0		
Loup	80	30	58.4	9.79	
Lynch		28		7.25	
Lyons				10.67	
McCook				6.87	
McCool Junction				12.93	
Madison	80	34	59.4	8.87	
Madrid	90[a]	28[a]	56.8[a]	3.82	
Marquette				10.65	
Mason				5.40	
Minden *b*	81	32	58.1	9.57	
Monroe				8.15	
Nebraska City *c*	84	29	63.4	11.03	
Nemaha				12.22	
Norfolk	84	32	60.0	6.81	
North Loup	83	30	58.8	6.22	
Oakdale	83	32	59.2	9.58	
Odell				16.49	
O'Neill	83	30	58.2	5.26	
Ord				5.52	
Osceola				12.34	
Palmer				8.85	
Palmyra*[1]	86	34	61.7	10.05	
Pawnee City				12.29	
Plattsmouth *a*				13.83	
Plattsmouth *b*	86	30	61.5	13.66	
Purdum	86[b]	30[b]	57.2[b]	4.67	
Ravenna *a*	81	30	58.5	6.73	
Ravenna *b*				8.26	
Redcloud	83[b]	30[b]	59.8[b]	10.85	
Rulo				13.45	
St. Libory	82	32	58.9	9.71	
St. Paul	83	32	60.8	7.44	
Salem				14.95	
Santee	87	35	61.6	9.70	
Schuyler				11.47	
Seward	82	33	61.2	13.60	
Smithfield				7.15	
Spragg				5.84	
Springview	85	33	58.0	3.68	
Stanton	82	31	60.2	6.84	
Strang				16.18	
Stratton				6.00	
Superior	88[a]	24[a]	59.2[a]	13.11	
Syracuse				12.95	
Tablerock	82	30	62.1	10.53	
Tecumseh *b*	91[d]	36[d]	65.8[d]	11.09	
Tecumseh *c*				11.10	
Tekamah	89	30	62.7	10.97	
Turlington	83	31	61.8	12.00	
University Farm	85	32	61.6	11.13	
Wahoo				7.83	
Wakefield	82	30	60.0	9.61	
Wallace				3.69	
Wauneta				4.93	
Weeping Water	84	27	60.2	9.17	
Westpoint	83	33	61.4	10.08	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Nebraska—Cont'd.	°	°	°	*Ins.*	*Ins.*
Wilber*[1]	86	34	64.0	11.25	
Willard				2.63	
Wilsonville				11.60	
Winnebago	83	27	60.5	10.90	
Wisner				9.81	
Wymore	88	35	63.6	14.29	
York	82[a]	32[a]	59.0[a]	16.40	
Nevada.					
Austin	82	26	50.8	1.57	
Battle Mountain	94	28	56.0	0.40	
Belmont	79	19	50.0	0.78	1.0
Beowawe	96	38	61.8	0.55	
Caliente	96	29	61.7	0.55	
Candelaria	82	30	56.8	0.66	T.
Carlin*[1]	82	26	49.4	0.00	
Carson City	88	28	53.6	0.14	T.
Cranes Ranch				0.99	
Dyer	87	20	54.8	0.30	
Elko	85	26	52.2	1.20	T.
Ely	82	25	49.4	2.18	5.0
Eureka	85	25	51.2	1.10	14.5
Fenelon				0.70	7.0
Golconda*[1]	95	35	57.2	0.00	
Halleck*[5]	95	36	53.8		
Hamilton	50	20	36.0	2.92	29.2
Hawthorne	90	31	57.1	0.00	
Humboldt	90	33	56.6	0.20	
Lee				2.79	6.0
Lovelocks	92	38	59.4	0.00	
Martins	92	28	55.8	T.	T.
Mill City*[1]	94	34	52.0	0.00	
Morey	87	20	51.6	1.47	3.0
Palisade	86	28	52.2	0.87	3.5
Palmetto	82	19	51.0	1.20	12.0
Potts	85	15	48.0	1.30	4.7
Reno State University	87	30	54.0	0.14	1.1
Rioville	106	45	75.5	T.	
Silverpeak	92[b]	22[b]	57.8[b]	T.	
Sodaville	95	29	59.6	0.49	
Tecoma	88	23	52.2	1.75	
Toano*[5]	97	24	52.6	0.89	T.
Wabuska	92	24	55.0	0.20	T.
Wadsworth	95	33	58.4	0.07	T.
Wells*[1]	62	22	41.2	T.	
Wood	85	25	50.6	1.07	
New Hampshire.					
Alstead	85	23	57.6	1.33	
Berlin Mills	89	13	55.2	0.19	
Bethlehem	83	20	56.2	0.29	
Brookline*[1]	92	27	62.5	1.28	
Chatham	87	18	54.8	0.55	
Concord	89	22	57.0	0.55	
Durham	90	25	56.2	1.07	
Franklin Falls	90	24	57.8	0.50	
Grafton	88	14	55.2	0.56	
Hanover	89	20	57.6	0.84	
Keene	90	21	57.8	0.79	
Littleton	80	23	54.3	0.07	T.
Nashua	92	27	58.6	0.63	
Newton	88	21	55.4	0.74	
Plymouth	89	22	57.6	0.15	
Sanbornton	86	22	55.9	0.50	
Stratford	89	19	56.3	0.18	
New Jersey.					
Asbury Park	89	40	60.0	0.17	
Barnegat	94	31	61.1	0.89	
Bayonne	93	33	63.6	0.46	
Bergen Point	92	35	62.8	0.26	
Beverly	95	32	65.1	0.76	
Blairstown	94	27	61.6	0.08	
Bridgeton	95	32	65.6	0.93	
Camden	92	35	65.9	0.96	
Canton				0.47	
Cape May C. H.	90	35	62.2	1.32	
Charlotteburg	94	29	59.8	0.24	
Chester	92	30	61.3	0.33	
Clayton	92	33	63.3	0.37	
College Farm	94	32	63.4	0.29	
Dover	97	29	61.0	0.37	
Elizabeth	95	35	64.3	0.30	
Essex Fells	95	31	62.6	0.30	
Flemington	94	30	63.6	0.42	
Freehold	93	34	62.4	0.71	
Friesburg	93	33	63.2	0.83	
Hightstown	93	34	64.0	0.93	
Imlaystown	92	34	64.6	0.36	
Indian Mills	96	33	64.4	0.27	
Lakewood	91	32	61.6	1.02	
Lambertville	93	28	64.5	0.99	
Layton	92	21	59.6	0.54	
Moorestown	93	31	64.2	0.44	
Mount Pleasant				0.68	
Newark	93	34	62.8	0.42	
New Brunswick	94	33	65.2	0.46	
Newton	93	26	62.2	0.28	
Oceanic				0.35	
Paterson	98	34	65.4	0.74	
Pemberton	93	32	63.6	0.27	

TABLE II.—*Climatological 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 Jersey—Cont'd.					
Perth Amboy	95	38	65.6	T.	
Phillipsburg	93	30	63.9	0.83	
Plainfield	93	31	62.4	0.84	
Rancocas				0.38	
Ringwood	94[b]	26[b]	61.3[b]	0.39	
Rivervale	94	30	61.6	0.00	
Salem	96[e]	31[e]	64.5[e]	1.06	
Somerville	95	31	62.3	1.28	
South Orange	91	34	61.8	0.52	
Sussex	93	28	61.6	0.70	
Toms River	95	32	61.1	0.39	
Trenton	92	36	66.4	0.30	
Tuckerton	94	33	61.8	0.76	
Vineland	95	33	63.6	0.62	
Woodbine	93	32	61.1	1.00	
Woodstown				1.05	
New Mexico.					
Alamagordo	98	36	67.9	0.48	
Albert	89	37	63.3	0.27	
Albuquerque	86	36	62.4	0.18	
Arabella	84	28	61.6	0.40	
Bellranch				1.33	
Cambray				0.40	
Carlsbad	99[c]	40[c]	70.6[c]	T.	
Deming				0.13	
Dorsey	83	24	53.3	0.29	
Eagle Rock Ranch	80	29	53.6	1.55	T.
Engle	84	37	63.0	0.77	
Fort Bayard	88	34	61.3	0.17	
Fort Stanton	79	23	55.1	0.38	
Fort Union	78	23	52.7	1.05	
Fort Wingate	78	21	49.8	1.05	1.0
Fruitland	92	31	59.6	0.03	
Gage				0.25	
Hot Springs	76	30	54.4	0.17	
Las Vegas	82	29	55.4	0.22	
Lordsburg				0.27	
Los Lunas	87	42	64.0	0.40	
Luna	85	20	52.6	1.03	
Mesilla Park	90	35	65.2	0.10	
Mountainair	81	30	55.6	0.06	
Raton	99	18	57.7	0.02	
San Marcial	97	37	67.1	T.	
Strauss				0.48	
Taos	81	26	54.4	T.	
Winsors	72	21	45.2	0.98	
New York.					
Adams				0.35	T.
Addison	90	21	58.6	1.90	
Adirondack Lodge	80	17	53.3	0.35	3.0
Akron				1.43	
Alden	83	29	59.6	1.51	T.
Amsterdam				0.06	T.
Angelica	88	18	57.4	1.16	T.
Appleton	87	28	56.2	1.45	
Arcade	84	20	54.8	1.63	T.
Athens	90	28	61.6	0.50	T.
Atlanta	87	18	56.6	1.16	
Auburn	91	25	60.6	0.74	T.
Avon	87	21	57.9	0.45	
Axton	87[a]	15[a]	52.2[a]	0.15	T.
Baldwinsville	87	26	60.2	0.50	
Beaver	86	14	54.8	0.05	
Bedford				0.24	
Berlin	88	20	57.8	0.58	
Blue Mountain Lake				T.	T.
Bolivar	86	18	56.0	2.43	T.
Bouckville	85	21	58.0	0.00	
Boyds Corner				1.25	
Brockport	89	25	59.5	0.82	T.
Brown Station				0.77	
Caldwell	87	24	58.2	0.29	T.
Canajoharie	88	21	58.9	0.07	T.
Canaan Four Corners	85	35	58.3	1.25	
Carmel	91	29	61.6	1.80	
Carvers Falls	89	21	58.1	0.05	
Cedarhill	91	25	60.8	0.47	
Chazy	90	21	58.2	0.07	
Clockville				0.03	
Cooperstown	82	29	56.4	0.17	
Cortland				0.30	
Cutchogue	89	35	60.4	0.94	
Dekalb Junction	86	24[f]	58.7[e]	0.28	
De Ruyter	88	17	56.1	0.11	T.
Easton				0.45	
Elba	84	26	57.4	1.19	
Elmira	92	24	61.4	1.52	
Fayetteville	89	25	60.3	0.22	
Franklinville	85	19	55.1	1.58	T.
Gabriels	85	10	53.9	0.20	T.
Gansevoort				0.66	
Glens Falls	90[a]	20[a]	59.2[a]	0.27	
Gloversville	88	23	58.9	0.16	
Greenwich	87	29	58.7	0.57	
Griffin Corners	84	16	54.3	0.30	
Harkness	88[a]	21[a]	59.4[a]	T.	T.
Haskinville				1.63	
Hemlock	85	28	59.2	0.53	
New York—Cont'd.					
Homer	89	19	56.4	0.28	T.
Honeymead Brook	91	27	59.5	1.20	
Indian Lake	86	12	52.8	0.21	T.
Ithaca	86	22	57.6	0.30	T.
Jamestown	87	22	59.8	2.37	T.
Keene Valley	89	16	55.7	0.02	T.
King Ferry				0.48	T.
Liberty	84	25	58.2	0.44	
Littlefalls, City Res.	87[a]	27[a]	62.4[a]	0.06	T.
Lockport	86[a]	29	59.2[a]	1.52	
Lowville	85	20	55.8	0.67	
Lyndonville				1.35	
Lyons	91[f]	29[f]	60.6[f]	0.15	T.
Middletown	90	31	61.3	0.34	
Mohonk Lake	86	27	59.6	0.88	
Moira	88	20	57.5	0.05	T.
Mount Etrick	85	22	58.2	0.31	T.
Newark Valley				0.33	
New Lisbon	85	16	54.5	0.25	
North Hammond	86	30	61.0	0.16	
North Lake				T.	
Number Four	81	21	56.8	0.45	
Nunda	90	22[f]	59.2[e]	0.56	
Ogdensburg	86	24	58.2	0.17	
Old Chatham				0.15	
Oneonta	91	20	59.1	0.36	T.
Otto	89	26	60.2	2.78	
Oxford	87	18	57.3	0.42	T.
Oyster Bay	95	30	61.6	0.40	
Penn Yan	88	25	59.7	0.30	T.
Perry City	88	18	57.2	0.72	
Plattsburg	91	27	54.8	0.00	
Port Jervis	91	26	61.0	1.00	
Potsdam	87	21	57.2	0.18	
Primrose	95	30	61.0	0.78	
Redhook				0.69	
Richmondville	88	20	58.8	0.22	T.
Ridgeway	85	28	58.2	1.14	T.
Rome	88	24	61.0	0.03	
Romulus	90	26	60.2	0.25	T.
Salisbury Mills	91	28	61.0	1.22	
Saranac Lake	83	16	55.4	0.01	T.
Saratoga Springs				0.44	
Scottsville				0.43	
Setauket	89	38	60.1	0.50	
Shokan				0.45	
Shortsville	86	24	59.4	0.29	
Skaneateles				0.63	
Southampton	86	34	58.1	1.26	
South Butler				0.36	
South Canisteo	86[a]	18[a]	58.8[a]	1.94	T.
Southeast Reservoir				1.16	
South Kortright	86	15	56.6	0.25	T.
South Schroon	86	18	55.8	0.10	T.
Speer Falls	89	24	60.0	0.44	T.
Straits Corners	88[c]	18[b]	56.0[c]	0.17	T.
Ticonderoga	87	24	60.0	0.52	
Volusia	80	26	57.9	1.47	
Walton	88	18	56.2	0.40	
Wappinger Falls	91	29	61.0	5.92	
Warwick				1.28	
Watertown	84	26	58.8	0.49	
Waverly	91	20	59.9	0.76	
Wedgwood	87	23	56.6	0.87	T.
Wells	89	17	55.8	0.09	
West Berne	87	20	55.7	0.22	
Westfield *c*	85	29	57.8	1.61	
Windham	85	20	56.4	0.92	
Youngstown				1.83	
North Carolina.					
Brevard				3.82	
Brewers	99	41	66.1	1.70	
Bryson City				1.92	
Chapelhill	96	44	69.0	1.18	
Currituck				1.12	
Edenton	95	46	68.4	4.13	
Fayetteville	95	48	58.9	2.55	
Flatrock	92	36	63.8	2.79	
Goldsboro	93	47	69.3	0.96	
Graham				0.73	
Greensboro	93	42	67.2	1.32	
Henderson	93	40	67.6	1.50	
Hendersonville	93	36	64.2	2.88	
Henrietta	99	47	69.8	1.14	
Highlands	84	30	56.1	6.44	
Horse Cove	87	40	62.4	5.80	
Jefferson	87	35	61.0	1.82	
Kinston	95	45	67.6	3.91	
Lenoir	96[d]	42[d]	67.6[d]	0.74	
Lexington	98	47	69.0	1.22	
Linville	81[d]	26[c]	56.8[d]	1.82	
Littleton	95	37	67.3	1.59	
Louisburg	94	42	68.1	1.19	
Lumberton	93	51	70.4	2.13	
Marion	98	40	66.8	1.59	
Marshall	91[f]	36[m]	63.3[j]	2.07	
Mocksville	96	43	67.0	0.85	
Moncure	98	44	68.2	1.04	
North Carolina—Cont'd.					
Monroe	99	44	69.5	0.59	
Morganton	97	41	67.1	0.61	
Mountairy	95	42	66.3	1.31	
Murphy				2.60	
Newbern	92	47	69.2	2.68	
Patterson *[1]	93	40	62.1	1.87	
Penelo	95	48	68.0	2.39	
Pittsboro	99	42	69.1	1.69	
Reidsville	95	41	67.0	1.86	
Rockingham	98	50	70.9	0.44	
Roxboro	94	38	66.7	3.59	
Salem	95	44	67.3	1.00	
Salisbury	100	48	69.6	2.17	
Saxon	96	42	66.8	1.85	
Selma	97	44	68.8	2.67	
Settle	98	48	69.4	1.03	
Sloan	93	46	69.2	2.62	
Soapstone Mount	95	42	66.7	0.73	
Southern Pines *a*	97	45	70.5	0.86	
Southern Pines *b*	97	47	70.2	1.77	
Southport	90	48	70.5	2.66	
Springhope	93	45	68.3	0.95	
Statesville	96	43	66.3	0.63	
Tarboro	98	43	70.6	2.43	
Washington	97	46	71.2	4.71	
Waynesville	90	35	63.7	1.90	
Weldon *a*	92	43	67.3	2.58	
Weldon *b*				2.83	
North Dakota.					
Amenia	85	24	55.3	3.36	
Ashley	85	22	53.8	1.74	
Berlin	83	22	53.8	1.90	
Bottineau	87	19	51.5	4.02	
Buxton	84	22	55.4	2.93	
Cando	81	19	52.0	3.82	
Churchs Ferry	84	24	53.7	2.17	
Devils Lake	83	24	54.8	4.06	
Dickinson	92	18	54.2	3.59	
Donnybrook				6.52	T.
Dunseith	82	21	51.6	5.81	
Edgeley	85	27	55.6	2.24	
Elbowoods	87	23	52.7	2.50	
Ellendale	85	25	57.0	2.03	
Fargo	89	23	55.7	2.78	
Forman	86	26	57.2	2.95	
Fort Yates	88	25	57.4	1.33	
Fullerton	84	23	55.0	2.06	
Gallatin	81	18	52.4	1.85	
Glenullin	87	26	54.5	3.79	
Grafton	85	24	56.1	1.53	
Jamestown	90	30	56.6	2.24	
La Moure				1.40	
Langdon	81	19	52.0	3.02	
Larimore	85	17	53.1	1.75	
Libson	86	24	56.0	4.38	
McKinney	90	20	50.8	4.68	
Mayville	86	11	50.8	1.17	
Medora	96	15	55.0	1.07	
Melville	87	25	56.0	2.40	
Minnewaukon	84	25	56.0	2.08	
Minot	92	28	55.7	5.56	
Minto	86[c]	19[d]	52.8[d]	1.53	
Napoleon	96	20	55.4	2.41	
New England	88[c]	12[d]	49.2[d]	3.92	
Oakdale	91	32	54.3	7.83	T.
Pembina	87	20	53.7	3.42	
Portal	89	23	49.2	4.77	1.0
Power	85	26	56.9	3.23	
Steele	84	21[c]	53.6[c]	2.06	
University	85	26	55.8	1.85	
Wahpeton	85	24	58.1	2.27	
Willow City	88	16	51.0	4.04	
Wishek	85	22	53.8	1.87	
Ohio.					
Akron	87	31	63.2	1.38	
Atwater				1.67	
Bangorville	87	29	63.6	3.18	
Bellefontaine	86[b]	27[a]	63.8[b]	2.69	T.
Bement				2.07	
Benton Ridge	89	28	64.8	3.04	
Bladensburg	87[a]	27[a]	62.9[a]	2.70	
Bloomingburg				4.73	
Bowling Green	90	27	62.4	2.44	
Bucyrus	88	28	62.6	3.21	
Cambridge	88	28	63.8	2.70	
Camp Dennison	91	29	66.2	5.77	
Canal Dover	89	28	63.4	2.99	
Canton	86	30	62.8	2.33	
Cardington	87	28	62.0	2.07	
Cedarville				3.57	
Chillicothe	93	31	67.5	3.53	
Circleville	88	31	65.7	3.25	
Clarington	90	35	66.3	2.65	
Clarksville	88	31	66.3	4.30	
Cleveland *a*	85	32	61.6	1.66	
Cleveland *b*	85	31	61.5	1.22	
Clifton	86	28	64.2	4.56	
Coalton	90	29	66.0	5.01	

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Ohio—Cont'd.	°	°	°	*Ins.*	*Ins.*
Colebrook	88	28	61.2	1.72	
Dayton *a*				4.99	
Dayton *b*	89	28	65.2	4.66	
Defiance	90	27	62.8	4.37	
Delaware	89	28	63.7	1.73	
Demos	89	31	65.7	3.05	
Elyria	90	28	62.2	1.84	
Findlay	92	30	64.4	2.43	
Frankfort	88	30	64.1	4.00	
Fremont	92	29	63.4	4.13	
Garrettsville	88	24	60.3	1.27	
Granville	90	31	64.0	3.56	
Gratiot	87	30	64.4	2.93	
Green	91	33	67.9	4.17	
Greenfield	87	35	66.2	4.92	
Greenhill	86	28	61.1	1.50	
Greenville	89	28	64.2	3.60	
Hanging Rock	92	31	67.6	1.94	
Hedges	91	25	63.1	3.19	
Hillhouse	84	25	58.9	2.93	
Hiram	86	29	62.0	1.32	
Hudson	91	27	62.8	1.32	
Jacksonboro	89	29	64.8	4.55	
Kenton	92	28	64.2	2.74	
Killbuck	87	28	63.2	3.06	
Lancaster	89	32	65.2	4.14	
Lima	87	28	65.1	2.49	
McConnelsville	88	32	64.8	2.86	
Manara	86	29	64.4	3.98	
Mansfield				2.29	
Marietta	88	37	67.2	4.48	
Marion	92	28	64.8	1.99	
Medina	90	28	63.4	1.53	
Milfordton	88	28	62.0	4.38	
Milligan	89	27	62.9	3.96	
Millport	86	27	60.5	1.87	
Montpelier	88	27	61.9	4.00	
Napoleon	90	28	63.1	2.31	
New Alexandria	91	31	66.2	1.90	
New Berlin	88	27	62.6	1.54	
New Bremen	90	22	62.1	2.90	
New Richmond	88	33	67.2	3.93	
New Waterford	93	26	63.4	2.20	
North Lewisburg	87	27	63.4	1.95	
North Royalton	90	29	62.3	1.43	
Norwalk	93	29	63.2	1.98	
Oberlin	89	27	61.4	1.99	
Ohio State University	87	30	63.0	2.64	
Orangeville	89	27	61.4	1.31	
Ottawa	93	27	64.4	4.69	
Pataskala	89	30	63.7	3.98	
Philo	92	31	66.4	1.23	
Plattsburg	89	27	64.3	3.90	
Pomeroy	90	34	66.2	2.76	
Portsmouth *a*				1.74	
Portsmouth *b*	90	36	69.4	1.66	
Pulse	87	31	65.9	4.04	
Richwood	91	29	62.8	2.73	
Ripley	87[a]	33[a]	65.2[a]	3.52	
Rittman	92[f]	28	65.4[e]	1.80	
Rockyridge	91[b]	28[b]	63.5[b]	1.81	
Shenandoah	86	28	62.2	2.67	
Sidney	91	28	65.4	3.27	
Somerset	89	32	65.8	3.51	
Springfield				3.60	
Strongsville				1.45	
Thurman	90	33	67.4	1.42	
Tiffin	91	31	63.6	2.15	
Upper Sandusky	91	25	64.3	3.78	
Urbana	85	25	62.4	3.84	
Vickery	90	27	61.2	1.68	
Walnut				2.68	
Warren	90	26	61.6	1.23	
Warsaw	89	25	62.6	2.27	
Wauseon	93	25	62.8	2.40	
Waverly	91	31	66.5	6.35	
Waynesville	86	27	64.4	4.36	
Wellington	90	27	62.8	2.06	
Willoughby				1.93	
Wooster	89	27	62.2	1.59	
Zanesville				2.46	
Oklahoma.					
Arapaho	89	32	64.2	5.49	
Beaver	89	36	63.0	4.02	
Blackburn	88	26	64.9	17.29	
Burnett	90	25	67.2	6.11	
Chandler	86	30	65.3	9.54	
Cleo	87	32	64.4	6.13	
Clifton	93	24	65.8	11.47	
Cloud Chief	88	34	63.4	8.67	
Eldorado	95	35	67.4		
Enid	84	33	63.4	9.97	
Fort Reno	87	29	65.1	11.85	
Fort Sill	85	30	66.6	2.53	
Grand	88	48	67.9	5.16	
Guthrie	84	33	63.6	10.94	
Hennessey	84	33	64.8	8.26	
Hobart	89	33	66.5	9.45	
Oklahoma—Cont'd.	°	°	°	*Ins.*	*Ins.*
Jefferson	88	32	65.1	7.91	
Jenkins	89	34	64.7	8.12	
Kenton	88	34	60.4	0.73	
Kingfisher	88	28[b]	65.5[a]	7.29	
Mangum	90[a]	35[a]	68.2[a]	3.45	
Newkirk	83	34	61.9	8.87	
Norman	88	28	67.0	4.62	
Okeene	86[a]	38[a]	62.3[a]	9.99	
Pawhuska	87			10.57	
Perry	82	30	64.2	8.37	
Sac and Fox Agency	90	29	68.8	6.50	
Shawnee	88	30	66.2	7.71	
Stillwater	84	29	64.2	9.27	
Taloga	89[d]	50[d]	68.4[d]	8.18	
Temple	92	31	68.7	3.54	
Ural	90	30	63.8	6.31	
Waukomis	83	29	64.4	7.51	
Weatherford	85	32	62.8	7.99	
Oregon.					
Albany *b*				1.67	
Alpha	83	32	53.3	2.94	
Arlington	94	36	61.2	0.45	
Ashland	90	31	57.0	0.37	
Astoria	71	40	53.4	5.44	
Aurora (near)	81	35	55.1	2.73	
Bay City	68	33	50.3	6.79	
Bend	93	11	48.0	0.05	0.5
Beulah	97	21	53.2	0.11	
Blalock	98	41[d]	62.3[d]	T.	
Bullrun				5.15	
Cascade Locks	84	39	58.2	2.52	
Coquille				1.25	
Corvallis	82	32	55.2	1.03	
Coyote	105	36[f]	63.1[e]	0.22	
Dayville	94	28	54.8	1.00	
Doraville	82	34	52.6	2.94	
Drain	87	32	56.8	1.04	
Ella				0.19	
Eugene	79	35	55.1	1.49	
Fairview	78	32	53.0	2.82	
Falls City	82	33	54.0	1.12	
Forestgrove	83	32	55.2	1.57	
Gardiner	73	37	56.0	2.78	
Glenora	82	30	52.4	7.55	
Government Camp	75	25	41.8	5.46	27.0
Grants Pass	95	29	56.8	0.24	
Grass Valley	88	11	48.4	0.04	
Heppner	100	28	56.4	0.45	
Hood River (near)	91	33	56.4	0.29	
Huntington	96	28	59.8	0.14	
Jacksonville	94	34	58.2	0.31	
Joseph	98	21	47.2	0.77	0.6
Kerby	96	31	55.9	0.39	
Lagrande	92	28	52.9	1.30	
Lakeview	93	25	51.8	0.53	
Langlois	71	34	52.0	1.38	
Lonerock	91	24	50.7	0.68	
McKenzie Bridge	89	31	54.8	2.97	
McMinnville	84	33	55.8	0.91	
Monroe	80	33	55.2	0.70	
Mount Angel	81	38	55.4	1.78	
Nehalem				7.29	
Newport	64	38	51.2	4.00	
Pendleton	90	30	57.8	0.78	
Pine	92	25	52.4	0.33	
Riverside	95[f]	24[i]	54.5[b]	0.40	
Salem	80	38	55.6	1.09	
Silverlake	94	18	48.9	0.52	2.0
Sparta	87	28	52.6	0.01	T.
Stafford	82	36	55.2	2.11	
The Dalles	92	36	60.4	0.05	
Toledo	81	35	53.4	2.46	
Umatilla	100	38	62.4	0.26	
Vale	95	26	54.9	0.36	
Wallowa	92	23	50.0	0.42	
Wamic	89	27	52.9	0.15	
Warm Spring	94	28	55.4	0.23	
Weston	94	29	53.4	2.05	
Williams	91	28	55.4	0.15	
Pennsylvania.					
Aleppo	88	31	64.2	4.65	
Altoona	91	27	60.9	2.63	
Athens	90	21	58.4	2.00	
Beaver Dam				0.63	
Bellefonte	90	28	62.6	1.13	
Brookville				1.44	
Browers				0.75	
Butler	89	29	62.4	2.85	
California	92	26	65.1	1.78	
Cassandra	89	28	59.6	3.28	T.
Centerhall	89	27	62.1	1.10	
Clarion				2.10	
Coatesville	93	28	63.8	2.18	
Coudersport	85	21	56.6	1.06	
Confluence				3.16	
Davis Island Dam				1.32	
Derry Station	89	31	64.4	1.64	
Doylestown				0.56	
Pennsylvania—Cont'd.	°	°	°	*Ins.*	*Ins.*
Dushore	87	18	56.4	1.25	
East Bloomsburg				0.65	
East Mauch Chunk	94	28	62.2	0.55	
Easton	91	31	62.8	0.77	
Ellwood Junction				4.12	
Emporium	89	24	60.3	1.37	
Ephrata	90	28	63.2	0.97	
Everett	90	27	60.5	2.24	
Forks of Neshaminy				0.83	
Franklin	87	23	61.7	1.98	
Freeport	91	28	65.2	2.22	
Girardville				2.28	
Grampian	86	23	58.0	2.51	
Greensboro				3.02	
Greenville	89	26	61.4	2.09	
Hamburg	94	29	64.0	0.32	
Hamlinton	88	22	58.2	1.03	
Hawthorn	89	25	60.2	1.99	
Herrs Island Dam				1.82	
Huntingdon *a*				1.60	
Huntingdon *b*	93	26	61.5	1.76	
Indiana	86	31	64.2		
Irwin	90	28	64.7	1.16	
Johnstown	92	28	63.6	2.36	
Keating				1.70	
Kennett Square	90	32	62.7	3.21	
Lansdale				0.62	
Lawrenceville	94	20	58.2	1.65	
Lebanon	93	29	63.4	0.94	
Leroy	85	22	59.2	2.00	
Lewisburg	90	26	61.8	2.40	
Lockhaven *a*	91	30	63.4	1.69	
Lockhaven *b*				1.56	
Lock No. 4				2.80	
Lycippus	86	31	64.7	1.56	
Mifflin				1.31	
Milford	93	24	60.0	0.66	
Oil City				2.62	
Ottsville				1.01	
Parker				3.02	
Philadelphia	93	36	65.9	2.08	
Pocono Lake	85	20	55.9	0.82	
Point Pleasant				0.34	
Pottsville				0.46	
Quakertown	92	29	63.0	0.69	
Reading	92	29	64.5	0.70	
Renovo *b*				1.76	
Saegerstown	90	20	59.6	2.71	
St. Marys	84	25	60.3	1.90	
Saltsburg				1.15	
Seisholtzville				0.22	
Selinsgrove	89	28	63.2	1.28	
Shawmont				0.63	
Smethport	85	20	56.8	2.70	T.
Smiths Corners				0.22	
Somerset	87	26	60.6	2.12	
South Bethlehem	91	30	63.3	0.45	
South Eaton	86	28	60.6	1.31	
Spring Mount				1.26	
State College	88	28	60.7	1.24	
Sunbury				0.44	
Swarthmore	92	33	64.0	0.70	
Towanda	88	22	59.2	0.89	
Troutrun				1.64	
Uniontown	86	40	65.9	2.56	
Warren	86	25	60.1	3.68	
Wellsboro	89	25	57.5	2.12	T.
Westchester	90	33	64.2	2.76	
West Newton				1.90	
Wilkesbarre	90	28	60.6	1.12	
Williamsport	87	30	63.2	1.88	
York	92	31	63.0	1.18	
Rhode Island.					
Bristol	81	33	57.8	1.69	
Kingston	90	29	57.4	0.70	
Pawtucket				0.43	
Providence *a*	91	35	62.8	0.58	
Providence *c*	90	32	59.4	0.57	
South Carolina.					
Allendale	98	55	72.0	5.21	
Anderson	100	50	71.4	2.56	
Batesburg	100	51	70.9	3.27	
Beaufort	94	57	71.3	11.97	
Bennettsville	100	49	71.7	1.34	
Blackville	98	53	71.6	5.18	
Bowman	99	52	71.2	2.63	
Calhoun Falls				1.74	
Camden				3.50	
Cheraw *a*	94	48	69.9	2.85	
Cheraw *b*				2.99	
Clarks Hill	97	53	71.2	2.69	
Clemson College	99	48	69.4	0.60	
Conway	99	49	70.4	1.60	
Darlington	102	48	71.8	2.74	
Duewest	95	44	70.9	1.43	
Edisto				1.91	
Effingham				2.90	
Florence	100	51	71.7	1.45	

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
South Carolina—Cont'd.	°	°	°	*Ins.*	*Ins.*
Gaffney	101	49	70.6	1.73	
Georgetown	100	45	70.6	2.75	
Gillisonville	95	52	70.8	4.72	
Greenville	94	45	66.8	1.13	
Greenwood	96	43	71.6	2.81	
Heath Springs	99	44	69.2	1.14	
Kingstree *b*				1.33	
Liberty	100	47	71.4	0.00	
Little Mountain	100	52	72.3	2.05	
Longshore	100	52	70.8	2.51	
Lugoff	100	51	71.2	1.64	
Pinopolis *1	90	56	68.9	5.45	
St. Stephens				2.50	
Santuck	101	47	69.8	2.30	
Seivern	101	47	70.4	3.68	
Smiths Mills				2.20	
Society Hill	95	51	71.8	1.81	
Spartanburg	99	48	69.4	1.59	
Statesburg	99	52	72.0	1.67	
Summerville	94	53	70.0	5.78	
Sumter	104	52	72.9	1.20	
Temperance	96[k]	51[k]	69.4[k]	0.44	
Trenton	98	54	70.9	2.47	
Trial	97	49	68.6	2.04	
Walhalla	95		69.2		
Walterboro	97	54	71.2	3.74	
Winnsboro	98	50	70.4	1.09	
Winthrop College	98	50	70.6	0.65	
Yorkville	101	52	69.8	1.70	
South Dakota.					
Aberdeen	88	28	60.7	1.28	
Academy	84	34	59.6	2.71	
Alexandria	85	29	58.0	4.48	
Armour	83	32	58.4	5.03	
Ashcroft	94	24	54.9	2.01	
Bowdle	99	25	57.2	1.15	
Brookings	81[a]	29[a]	56.6[a]	4.53	
Canton	80	31	59.3	10.02	
Cavite	88[c]	30[c]	58.7[c]		
Centerville				7.86	
Chamberlain	87	35	61.3	1.18	
Cherry Creek	85	25	56.6	2.44	
Desmet		24		4.92	
Doland	84	23	58.3	4.20	
Elkpoint	84	30	62.6	8.09	
Fairfax	86	31	60.2	5.86	
Farmingdale				3.31	
Faulkton	85	26	57.4	0.91	
Flandreau	79	29	56.3	5.39	
Forestburg	86	29	59.0	3.43	
Fort Meade	83	34	54.8	3.36	
Gannvalley	85	31	60.2	1.26	
Gettysburg	88	25	57.2	1.47	
Grand River School	87	26	57.2	1.32	
Greenwood	86	36	60.9	6.02	
Highmore				0.85	
Hitchcock				1.15	
Hotch City	84	31	57.8	0.87	
Howard	83[a]	29[a]	58.6[a]	4.92	
Howell	85	26	57.4	0.79	
Ipswich	85	24	56.2	1.45	
Kimball	83	34	58.2	2.34	
Leola	86	26	57.2	2.25	
Marion	84[c]	36[f]	60.1[c]	8.74	
Mellette	85	28	57.8	1.90	
Menno	85	30	59.8	7.46	
Millbank	84	30	57.8	4.09	
Mitchell	86	34	59.5	4.39	
Oelrichs	83	29	54.4	5.25	
Pedro	89[f]	30[f]	57.8[f]	2.21	
Pine Ridge	84	28	54.2	4.72	
Plankinton	85	30	59.0	3.12	
Ramsey	82	27	58.4	7.00	
Redfield	84	19	56.8	0.98	
Rosebud	90	33	58.5	2.41	
Silver City				4.07	
Sioux Falls	82	30	59.0	7.43	
Sisseton Agency	81[a]	27[a]	56.0[a]	2.21	
Spearfish	85	30	50.8	3.08	
Tyndall	86	27	59.8	11.47	
Vermilion	83	33	60.5	9.85	
Watertown	79	26	55.6	3.73	
Waubay	80	27	54.8	3.75	
Wentworth	83	30[b]	57.2[a]	5.12	
Wolsey				1.90	
Tennessee.					
Andersonville	94	35	65.8	2.33	
Arlington	90	36	68.5	7.47	
Ashwood	88	35	67.4	4.33	
Benton	93	35	68.4	2.44	
Bluff City				0.86	
Bolivar	89	36	68.0	7.94	
Bristol	91	38	66.6	1.00	
Brownsville	90	36	69.2	5.63	
Byrdstown	90	36	68.3	4.05	
Carthage	91	38	69.2	4.57	
Catlettsburg				3.74	
Clarksville	87	36	68.6	5.28	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Tennessee—Cont'd.	°	°	°	*Ins.*	*Ins.*
Clinton				3.69	
Covington	89	38	68.6	8.06	
Decatur	94	37	68.3	4.43	
Dickson	85	36	65.9	9.31	
Dyersburg	88	39	67.2	2.50	
Elizabethton	91	37	68.1	3.30	
Erasmus	88	34	62.8	5.15	
Florence	91	38	68.3	6.57	
Franklin	88	38	67.9	5.46	
Grace *1	94	40	71.5	3.10	
Greeneville	91	36	65.8	2.14	
Halls Hill				4.93	
Harriman	93	36	67.8	3.69	
Hohenwald	88	32	65.2	5.22	
Iron City	88	34	66.7	6.99	
Isabella	91	38	67.2	1.81	
Jackson	89	31	67.2	7.00	
Johnsonville	90	34	67.9	7.08	
Jonesboro	89	37	66.2	2.61	
Kenton	87	35	68.2	4.67	
Kingston				3.29	
Lafayette *5	91	36	67.8		
Leadvale				3.60	
Lebanon	90	36	69.0	6.02	
Lewisburg	90	35	68.3	5.68	
Liberty	91	44	68.6	5.05	
Lynnville	88	38	68.2	6.12	
McKenzie	90	35	69.7	4.20	
McMinnville	91	35	67.6	4.60	
Maryville	95	38	69.5	2.94	
Milan	91	36	68.0	4.48	
Newport	93	40	69.0	2.30	
Nunnelly	94	34	67.4	6.00	
Oakhill	89	31	68.0	3.44	
Palmetto	89	38	69.0	6.36	
Pope	90	30	67.9	5.17	
Rogersville	90	37	67.1	1.79	
Rugby	91	30	64.6	4.47	
Savannah	91	35	70.0	6.90	
Sewanee	87	34	65.9	5.48	
Silverlake	86	33	62.5	1.21	
Springdale	92	34	66.0	2.98	
Springville	89	34	68.6	5.81	
Tazewell				2.79	
Tellico Plains	94	36	68.6	4.07	
Tracy City	88	35	65.0	3.43	
Trenton	89	36	68.5	5.54	
Tullahoma	92	36	68.0	3.74	
Union City	88[f]	55[f]	71.6[f]	4.80	
Waynesboro	89	31	67.0	5.41	
Wildersville	84	38	67.7	6.05	
Yukon	90	39	68.6	6.25	
Texas.					
Albany	88	32	69.8	2.58	
Alvin				3.67	
Arthur				3.36	
Austin *a*	91	46	73.2	1.91	
Ballinger	90	33	68.0	4.44	
Beaumont	90	45	72.6	2.74	
Beeville		47		1.49	
Bigspring	96	36	70.2	1.55	
Blanco	85	35	67.3	1.00	
Boerne *1	87	47	68.8	2.05	
Bonham	90	32	69.8	1.53	
Booth				1.86	
Bowie	93	37	69.2	2.46	
Brazoria	85	46	72.4	1.15	
Brenham	88	43	72.3	2.38	
Brighton	88	49	74.2	2.34	
Brownwood	87	38	66.1	1.70	
Burnet	97	35	70.3	1.26	
Camp Eagle Pass	98	53	78.3	3.25	
Childress	92	34	67.7	1.69	
Clarksville	87	35	68.4	2.70	
Coleman	85	40	67.5	2.75	
College Station	94	53[c]	73.6	1.75	
Colorado				2.55	
Columbia	90	45	73.0	1.31	
Comanche	90	29	68.3	3.70	
Corsicana	98	31	69.2	3.20	
Cotulla	96	46	73.6	1.37	
Cuero	93	45	74.0	3.76	
Dallas	92	36	70.0	1.87	
Danevang	92	43	73.8	1.33	
Dublin	90	34	67.6	2.92	
Duval	88	40	72.4	2.22	
Estelle	94	34	71.1	1.46	
Fort Brown	91	51	77.3	2.17	
Fort Clark	89	37	69.8	3.87	
Fort Davis	90	38	65.2	1.99	
Fort McIntosh	99	47	78.6	2.17	
Fort Ringgold	96	48	79.8	3.85	
Fort Stockton				3.90	
Fredericksburg	86	38	69.0	3.03	
Gainesville	91	32	68.8	2.65	
Gatesville	85	33	70.6	2.67	
Georgetown	94	39	72.6	1.51	
Grapevine	93	33	71.0	2.85	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Texas—Cont'd.	°	°	°	*Ins.*	*Ins.*
Greenville	93	34	71.0	1.37	
Hale Center	89	35	66.5	0.35	
Hallettsville	91	46	74.0	2.81	
Haskell	98	35	69.0	1.43	
Hearne	94	43	70.2	2.21	
Henrietta	96	32	68.2	2.35	
Hewitt				1.54	
Hondo	80[b]	48[l]	69.1[l]	3.08	
Houston	92	46	74.0	2.75	
Huntsville	91	42	71.2	2.44	
Ira	97	34[c]	68.0	0.92	
Jacksonville	88	37	69.8	2.00	
Jasper	87	45	71.8	1.17	
Junction				3.27	
Kaufman	90	37	71.7	2.03	
Kent	98	35	68.4	0.66	
Kerrville	86	33	68.3	2.96	
Kopperl				4.90	
Lampasas	87	32	69.3	3.06	
Lapara				1.20	
Laureles Ranch				2.46	
Llano	90	28	65.2	0.55	
Longview	90	40	70.7	3.57	
Luling	91	40	72.6	1.73	
McKinney	91	27	68.1	2.02	
Mann	89	31	70.1	4.90	
Marlin	90	44	71.6	3.93	
Menardville	90	27	67.6	2.46	
Mount Blanco	91	33	66.2	0.01	
Nacogdoches	87	40	68.8	2.98	
New Braunfels	89	44	72.6	1.89	
Panter				2.45	
Paris *a*	92	38	68.7	1.54	
Pearsall	94	46	75.3	2.96	
Port Lavaca	90	49	74.0	1.06	
Rhineland	93	32	67.4	1.95	
Rockisland	88	43	72.6	1.62	
Runge	93[c]	48[c]	74.8[c]	1.92	
Sanderson	87	55	74.4	3.40	
San Saba	89	29	70.0	1.40	
San Marcos	90	44	72.0	1.53	
Sherman	85	37	68.0	2.55	
Sonora	88	32	68.2	5.76	
Sugarland	90	54	73.6	3.30	
Sulphur Springs	87	36	69.5	2.56	
Temple *a*	85	39	69.6	2.02	
Temple *b*	87	40	70.0	2.27	
Trinity	89	40	71.9	4.70	
Tyler	92	38	71.0	3.21	
Victoria	93[i]	45[i]	73.8[i]	2.25	
Waco	91	38	73.0	2.18	
Waxahachie	91	40	71.8	1.40	
Weatherford	95	34	69.8	1.79	
Wharton	90	46	74.6	1.75	
Wichita Falls				6.20	
Utah.					
Alpine				3.72	
Aneth	89	33	60.4	0.12	
Blackrock	88	28	53.2	1.73	10.0
Bluecreek *1	97	30	60.5	2.50	
Callao	92	25	54.6	2.56	
Castledale	87	22	51.6	0.13	
Corinne	93	31	55.0	3.01	
Coyoto	83[c]	18[c]	48.4[c]	0.53	
Emery	76	22	47.4	0.65	
Escalante	83	30	56.0	0.60	
Farmington	89	32	53.4	3.45	4.0
Fillmore	95	32	55.9	2.27	
Fort Duchesne	80	23	52.4	1.02	
Frisco	85	23	53.0	1.88	
Garrison	88	29	54.2	1.16	3.0
Giles	89	30	58.4	1.12	
Government Creek	84	29	51.6	2.10	
Green River	97[g]	30[b]	62.8[g]	0.67	
Grover	79	26	51.7	0.32	2.0
Heber	84	25	49.6	1.42	
Henefer	86	20	48.4	1.78	3.0
Hite	95	42	66.7	0.23	
Huntsville				2.03	
Ibapah	87	21	49.7	1.91	
Kanab	86	33	59.5	0.71	
Kelton	86	29	52.6	1.45	
La Sal	75	25	50.4	1.05	
Levan	84	30	51.0	2.26	
Loa	81	15	44.8	0.65	4.0
Logan	84	31	52.5	2.89	
Lund	89	28	54.8	0.89	3.0
Manti	85	30	50.8	2.20	
Marysvale	85	26	51.5	0.81	2.6
Meadowville	79	25	47.4	0.90	T.
Millville				2.99	
Moab	93	34	61.8	0.84	
Monticello	76	21	51.2	0.46	
Morgan	86	20	48.7	2.24	
Mount Nebo	89	28	53.0	1.78	
Mount Pleasant	85	30	52.5	1.49	
Ogden *a*	88	31	55.4	4.34	
Park City	91	23	50.2	2.89	9.9

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Utah—Cont'd.	°	°	°	*Ins.*	*Ins.*
Parowan	86	25	53.2	1.10	4.0
Pinto	82[c]	19[c]	49.7[c]	0.80	
Plateau	80	19	46.4	2.60	15.0
Provo	90	30	53.9	2.69	
Ranch	78	16	50.2	1.40	
Richfield	88	29	54.2	1.39	
St. George	100	31	65.6	0.32	
Scipio	89	25	52.4	1.96	
Snowville	87	19	49.6	1.69	
Soldier Summit	84	24	54.2	.....	
Terrace	88	29	54.5	3.05	
Thistle	90	35	56.7	1.60	4.0
Tooele	88	32	54.0	1.60	
Tropic	84	26	51.0	0.53	T.
Vernal	88	30	55.0	1.30	
Wellington	87[b]	24[b]	53.2[b]	0.82	
Woodruff	84	18	45.4	1.08	6.0
Vermont.					
Burlington	85	29	61.8	T.	
Cavendish	89	19	56.8	0.33	
Chelsea	83	19	55.4	0.29	
Cornwall	90	26	60.8	0.24	
Derby	84	26	57.6	0.20	
Enosburg Falls	86	15	54.6	0.45	T.
Hartland	86	18	56.1	0.29	
Jacksonville	85	27	54.0	0.70	
Manchester	84	22	57.2	0.86	
Morrisville	89	18	57.6	0.12	
Norwich	87	18	.....	0.76	
St. Johnsbury	87	19	56.8	0.04	
Wells	86	25	58.0	0.43	
Woodstock	87	20	57.0	0.80	
Virginia.					
Alexandria	92	38	66.0	3.75	
Ashland	91	38	65.7	2.79	
Barboursville	89	36	65.7	5.80	
Bedford	98	38	68.8	0.77	
Bigstone Gap	92	35	66.3	2.60	
Blacksburg	88	32	61.6	0.88	
Bluemont	90[e]	33[e]	63.2[e]	3.37	
Bonair	90	38	65.9	3.08	
Boykins	.....	.....	.....	1.75	
Buckingham	95	31	65.7	2.74	
Burkes Garden	82	28	58.9	1.66	
Callaville	90	36	65.1	0.85	
Charlottesville	90	36	65.0	1.76	
Clarksville	.....	.....	.....	1.49	
Columbia	99	28	64.0	3.50	
Dale Enterprise	88	30	62.6	3.74	
Danville	.....	.....	.....	2.88	
Farmville	93	32	65.9	2.05	
Fredericksburg	93	37	65.7	2.74	
Grahams Forge	90	30	63.0	0.92	
Hampton	90	42	66.9	1.80	
Hot Springs	86	36	61.6	1.25	
La Crosse	94	39	67.8	2.60	
Lexington	93	32	64.4	1.50	
Lincoln	92	31	63.1	2.01	
Manassas	91	35	63.6	4.02	
Marion	90[f]	34[f]	64.6[f]	0.50	
Mendota	.....	.....	.....	1.10	
Newport News	93	47	68.7	2.70	
Petersburg	98[e]	40[e]	66.8[e]	3.00	
Quantico	94	42	65.2	.....	
Radford	.....	.....	.....	T.	
Riverton	.....	.....	.....	2.67	
Roanoke	89	36	62.3	0.98	
Rockymount	86	33	63.8	2.63	
Saxe	95	32	65.8	3.89	
Shenandoah	.....	.....	.....	2.96	
Speers Ferry	.....	.....	.....	1.82	
Spottsville	94	35	66.6	1.59	
Stanardsville	95	38	62.3	2.12	
Staunton	91	31	64.0	1.23	
Stephens City	94	34	64.2	2.86	
Warsaw	92	37	66.8	1.44	
Westpoint	91[i]	48[i]	72.1[i]	2.30	
Wilkerson	90	44	66.0	4.00	
Williamsburg	87	39	65.0	1.48	
Woodstock	93	32	65.2	3.86	
Wytheville	91	35	63.7	3.27	
Washington.					
Aberdeen	72	35	52.8	6.90	
Anacortes	.....	.....	.....	1.31	
Ashford	.....	.....	.....	5.83	T.
Blaine	71	35	52.2	1.90	
Bremerton	78	33	52.8	1.83	
Brinnon	74	37	53.0	2.95	
Cedonia	87	27	51.6	0.74	
Centralia	85	32	54.6	2.51	
Cheney	.....	.....	.....	2.26	
Clearbrook	78	31	52.4	3.22	
Clearwater	69	37	51.7	8.04	
Cle Elum	85	28	49.6	1.03	
Colfax	91	28	53.4	1.45	
Colville	92	25	54.4	1.91	
Conconully	87	29	54.1	0.42	
Connell	.....	.....	.....	0.09	
Washington—Cont'd.	°	°	°	*Ins.*	*Ins.*
Coupeville	73	38	52.2	1.78	
Crescent	95	28	53.2	0.97	
Danville	91	30	54.0	1.13	
Dayton	94	29	55.6	0.81	
East Sound	72[b]	31[b]	51.8[b]	1.37	
Ellensburg	89	27	53.4	0.10	
Ephrata	95	33	59.9	0.15	
Grandmound	80	31	53.6	2.36	
Granite Falls	.....	.....	.....	7.88	
Hooper	98	32	57.6	0.40	
Ilwaco	70	38	51.8	5.41	
Lacenter	83	35	53.8	2.92	
Lakeside	85	38	58.0	0.18	
Lind	101	28	59.6	0.35	
Loomis	88	36	57.7	0.20	
Mayfield [m]	83	37	53.4	2.40	
Mottinger Ranch	101	35	62.0	0.40	
Mount Pleasant	79	37	53.6	2.77	
Moxee	91	26	56.2	0.10	
Northport	93	30	53.1	1.71	
Odessa	95[a]	20	53.7[a]	0.05	
Olga	66	41	51.5	1.59	
Olympia	82	33	54.8	2.16	
Pasco	105	45	70.2	0.03	
Pinehill	91	34	57.3	0.11	
Pomeroy	95	31	56.4	0.68	
Port Townsend	72	37	52.0	1.71	
Pullman	85[c]	31[c]	52.6[d]	2.27	
Republic	90	27	52.0	0.76	
Ritzville	.....	.....	.....	0.12	
Ritzville (near)	.....	.....	.....	0.41	
Rosalia	90	26	52.0	2.22	
Sedro-Woolley	78	34	53.8	2.77	
Silvana	78	35	52.5	3.18	
Snohomish	78	35	53.0	3.25	
Snoqualmie	82	32	54.9	4.40	
Southbend	79[d]	34[d]	52.4[d]	5.87	
Sprague	.....	.....	.....	1.20	
Sunnyside	91	29	57.8	0.14	
Trinidad	95	30	64.6	T.	
Twisp	87	30	54.4	0.21	
Union	80[e]	35[d]	53.9[e]	2.73	
Usk	90[a]	23[b]	50.9[b]	1.39	
Vancouver	86	37	56.9	1.71	
Vashon	78	38	53.4	1.72	
Waterville	91	26	53.3	0.28	
Wenatchee (near)	87	31	55.4	0.19	
Whatcom	74	35	52.0	2.15	
Wilbur	88	22	51.6	0.40	
Zindel	101	39	61.8	1.44	
West Virginia.					
Bayard	86	23	57.7	3.83	T.
Beverly	85	27	60.3	5.22	
Buckhannon	89	31	66.0	6.24	
Burlington	89	26	62.3	2.62	
Byrne	95	33	67.7	3.58	
Cairo	92	28	67.1	2.40	
Central	88	30	64.4	5.23	
Charleston *a*	.....	.....	.....	1.83	
Creston	96	31	65.3	1.96	
Cuba	87	31	65.9	4.29	
Dayton	90	28	62.6	3.17	
Echo	95	32	67.8	2.33	
Elkhorn	88	33	65.6	2.34	
Fairmont	.....	.....	.....	2.62	
Glenville	89	30	65.5	4.13	
Grafton	89	32	64.8	3.74	
Green Sulphur	89	30	62.8	1.83	
Harpers Ferry	.....	.....	.....	2.52	
Hinton	91	33	65.4	1.91	
Huntington	91	35	68.1	1.33	
Josiah	93	34	66.5	5.19	
Leonard	82	29	68.0	2.33	T.
Lewisburg	88	31	61.5	3.19	
Lillydale	89	34	64.6	0.80	
Logan	93	33	69.9	0.90	
Mannington	90	31	64.2	3.26	
Marlinton	83	25	58.9	1.79	
Martinsburg	92	31	63.0	3.90	
Morgantown	87	33	65.0	4.12	
Moscow	86	28	63.2	1.88	
Moundsville	86	31	66.0	1.98	
New Martinsville	92	34	66.1	2.95	
Nuttallburg	88	30	66.2	2.35	
Oldfields	94	30	63.5	2.30	
Parsons	87	26	61.3	2.56	
Philippi	91	26	63.8	3.92	
Pickens	86	29	62.0	5.70	
Point Pleasant	91	31	68.2	2.28	
Powellton	90	33	67.6	2.89	
Princeton	85	36	64.2	2.00	
Romney	91	31	63.6	3.86	
Rowlesburg	.....	.....	.....	3.48	
Ryan	88	30	65.2	2.40	
Smithfield	89	30	63.9	2.19	
Southside	89	38	67.6	1.77	
Terra Alta	84	27	60.0	5.28	
Travellers Repose	85	20	56.8	5.34	
West Virginia—Cont'd.	°	°	°	*Ins.*	*Ins.*
Uneeda	.....	.....	.....	2.21	
Uppertract	91	27	62.2	3.34	
Valley Fork	87	32	65.7	3.60	
Webster Springs	88	33	64.0	3.50	
Wellsburg	85	32	63.9	2.17	
Weston	.....	.....	.....	5.16	
Wheeling *a*	.....	.....	.....	2.16	
Wheeling *b*	92	47	72.8	2.05	
Williamson	92	35	70.6	0.90	
Wisconsin.					
Amherst	82	25	55.9	5.03	
Antigo	83	17	57.2	3.98	
Appleton	81	27	56.4	3.56	
Ashland	.....	.....	.....	6.77	
Barron	82	22	57.4	5.86	
Beloit	83	31	61.1	3.53	
Brodhead	88	28	62.5	4.37	
Butternut	83	11	52.1	8.88	
Chilton	84	27	57.8	3.66	
Chippewa Falls	.....	.....	.....	4.42	
Darlington	84	24	61.2	3.99	
Delavan	87	30	60.8	3.61	
Dodgeville	83	30	61.2	4.90	
Downing	84	26	56.0	7.14	
Easton	85	27	59.2	5.46	
Eau Claire	84	28	59.7	7.03	
Florence	82	17	54.0	7.00	
Fond du Lac	84	36	59.8	3.66	
Grand Rapids	83	27	58.4	6.85	
Grand River Locks	.....	.....	.....	7.32	
Grantsburg	77	23	55.0	6.55	
Hancock	83	27	58.2	4.66	
Harvey	84	29	59.6	4.53	
Hayward	84	12	55.2	6.18	
Hillsboro	84	28	58.2	5.23	
Koepenick	84	10	56.6	7.00	10.0
Lancaster	83	29	60.8	5.52	
Madison	80	33	59.8	4.38	
Manitowoc	79	27	51.6	2.73	
Meadow Valley	84	25	58.4	5.99	
Medford	84	23	57.8	8.25	
Menasha	.....	.....	.....	4.23	
Neillsville	84	26	60.0	6.04	
New London	84	26	56.6	4.15	
Oconto	85	24	56.0	4.80	
Osceola	77	22	53.9	7.31	
Oshkosh	83	28	55.0	3.70	
Pine River	84	28	56.7	4.31	
Portage	84	31	61.0	4.96	
Port Washington	80	35	53.0	3.47	
Prairie du Chien *a*	87	28	63.4	5.23	
Prairie du Chien *b*	.....	.....	.....	5.38	
Racine	90	32	57.0	2.39	
Sheboygan	79	30	52.3	3.62	
Spooner	88	21	56.2	2.65	
Stevens Point	83	24	57.2	5.59	
Tomahawk	82	11	55.1	5.50	
Valley Junction	84	29	58.4	4.88	
Viroqua	80	26	58.8	6.41	
Watertown	84	27	58.7	4.91	
Waukesha	83	28	58.4	4.57	
Waupaca	85	24	57.4	5.88	
Wausau	84	22	56.7	6.87	
Whitehall	82	25	59.2	5.70	
Wyoming.					
Afton	79	24	45.2	2.71	7.0
Alcova	88	12	50.6	1.42	T.
Basin	93	24	54.9	0.81	
Bedford	78	20	43.5	2.45	
Border	80	21	45.0	1.12	
Buffalo	83	24	48.5	2.31	0.4
Burlington	.....	.....	.....	1.04	
Centennial	56	22	39.6	1.07	
Chugwater	80	22	48.4	0.57	
Daniel	75	15	40.7	1.44	
Embar	80	15	49.4	.....	
Evanston	76	19	44.6	1.51	5.5
Fort Laramie	83	22	53.3	1.48	
Fort Washakie	82	14	49.8	1.25	2.5
Fort Yellowstone	76	21	44.8	0.65	2.5
Fourbear	76	10	42.5	2.26	13.0
Griggs	86	20	50.6	2.47	4.6
Hyattville	95	24	53.4	.....	
Irma	85	22	49.7	1.28	
Iron Mountain	81	22	46.6	0.88	T.
Kimball Ranch	76[e]	19[d]	48.4[e]	1.90	T.
Laramie	75	17	43.9	1.63	T.
Leo	79	19	44.8	1.96	1.0
Lolabama Ranch	77	19	41.6	1.89	7.5
Lusk	81	23	49.2	2.27	
Moorcroft	83	28	51.6	3.09	
Moore	82	20	47.8	2.05	1.0
Parkman	85[d]	16[d]	48.6[d]	0.65	
Pinebluff	81	25	51.8	1.45	T.
Rawlins	80	18	45.8	1.78	T.
Rocksprings	79	29	48.2	0.76	5.0
Smith Pass	80	10	41.4	2.20	22.0
Tensleep	87	27	52.2	1.15	

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Wyoming—Cont'd.	°	°	°	*Ins.*	*Ins.*
Thayne	80	20	44.2	2.18	
Thermopolis	84	18	47.4	3.16	
Porto Rico.					
Adjuntas	88	51	74.2	6.76	
Aguadilla	94	59	77.8	8.42	
Aguirre	94	66	81.7	2.36	
Arecibo	92	68[j]	79.0[f]	8.43	
Barros	88	48	73.1	5.53	
Bayamon	89	56	75.0	5.20	
Caguas	97	51	79.7	3.69	
Canovanas	97	67	82.7	0.93	
Cayey	95	50	75.2	0.62	
Cidra	86	50	69.4	2.20	
Coamo	93	57	79.2	0.21	
Corozal	95	55	77.4	2.58	
Fajardo	93	60	80.9	5.90	
Guanica	92	58	79.4	2.49	
Hacienda Josefa	.....	.....	.....	2.36	
Hacienda Perla	99	62	81.0	10.34	
Humacao	93	70	83.0	5.80	
Isabela	91	65	77.8	12.08	
Juan Diaz	91	65	80.1	3.02	
La Carmelita	86	59	74.4	11.75	
Las Marias	91	60	77.4	10.67	
Manati	98	60	79.3	4.98	
Maunabo	95	66	77.2	7.36	
Mayaguez	97	63	79.9	11.58	
Morovis	95	57	77.7	9.58	
Ponce	90	62	80.0	1.23	
Rio Piedras	.....	.....	.....	9.35	
San German	94	66	82.6	4.53	
San Lorenzo	95	53	77.6	4.93	
San Salvador	89	60	75.5	8.49	
Santa Isabel	93	61	80.2	3.24	
Utuado	94	56	76.6	11.70	
Vieques	92	66	80.5	3.31	
Yauco	80	63	79.8	5.04	
Mexico.					
Ciudad P. Diaz	92	40	69.4	2.45	
Coatzacoalcos	98	67	79.9	0.80	
Leon de Aldamas	96	49	72.1	0.51	
Vera Cruz	89	61	79.0	0.30	
New Brunswick.					
St. John	70	32	48.3	2.77	
Isthmus of Panama.					
Alhajuela	95	73	81.0	7.84	
Bohio	.....	.....	.....	9.76	
Colon	.....	.....	.....	14.76	
Gamboa	.....	.....	.....	11.10	
La Boca	88	73	79.3	6.70	
West Indies.	°	°	°	*Ins.*	*Ins.*
Isle of Pines, Cuba	92	65	79.0	3.10	
Consuelo S. P. Macori S. D.	92	60	78.4	10.40	
Late reports for April, 1903.					
Alaska.					
Fort Egbert	55	—32	20.9	0.12	1.3
Kotzebue	36	—24	4.7	.....	.....
Mine Harbor	45	15	32.3	2.25	5.3
Arizona.					
Fort Apache	83	24	51.2	0.20	
Fort Grant	80	41	60.9	T.	
Fort Huachuca	85	41	61.5	0.00	
California.					
Laguna Valley	.....	.....	.....	3.20	.....
Tulare *b*	.....	.....	.....	0.54	
Ventura	74	45	56.6	2.04	
Georgia.					
Brent	85[e]	35[e]	59.8[e]	4.68	
Idaho.					
Roosevelt	56[j]	— 1[j]	28.6[j]	1.60	16.0
New Mexico.					
Fort Bayard	80	26	54.5	0.16	
Fort Wingate	73	12	41.6	1.27	1.0
North Carolina.					
Brewers	87	23	54.9	5.95	
North Dakota.					
Milton	68[f]	12[f]	56.3[f]	2.04	10.1
Minot	82	18	46.4	2.46	0.6
Pennsylvania.					
Athens	85	21	45.2	2.38	T.
South Dakota.					
Cavite	84	20	49.1	.....	
Texas.					
Anson	.....	.....	.....	0.20	
Fort Brown	87	37	70.0	0.93	
Utah.					
Blue Creek	.....	.....	.....	0.45	
Porto Rico.					
Ponce	91	64	79.2	1.42	
West Indies.					
Consuelo S. P. Macori S. D.	92	59	76.8	5.40	

EXPLANATION OF SIGNS.

*Extremes of temperature from observed readings of dry thermometer.

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.

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.

NOTE.—The following change has been made in the names of stations: Indiana, Prairie Creek changed to Farmersburg near.

CORRECTIONS.

April, 1903, Utah, Grover, make maximum temperature 75 instead of 95.

TABLE III.—*Resultant winds from observations at 8 a. m. and 8 p. m., daily, during the month of May, 1903.*

Stations.	Component direction from— N.	S.	E.	W.	Resultant. Direction from—	Duration.
	Hours.	Hours.	Hours.	Hours.	° ′	Hours.
New England.						
Eastport, Me	19	22	15	20	s. 59 w.	6
Portland, Me	19	30	9	12	s. 15 w.	11
Concord, N. H	17	8	11	4	n. 38 e.	11
Northfield, Vt	19	32	14	6	s. 32 e.	15
Boston, Mass	16	22	18	21	s. 27 w.	7
Nantucket, Mass	16	21	21	15	s. 45 e.	8
Block Island, R. I	13	26	25	14	s. 45 e.	16
Narragansett, R. I.*	6	15	10	8	s. 13 e.	9
New Haven, Conn	22	21	20	13	n. 82 e.	7
Middle Atlantic States.						
Albany, N. Y	19	29	13	12	s. 6 e.	10
Binghamton, N. Y.†	14	10	7	6	n. 14 e.	4
New York, N. Y	12	24	23	16	s. 30 e.	14
Harrisburg, Pa	16	23	24	12	s. 60 e.	14
Philadelphia, Pa	19	24	22	11	s. 66 e.	12
Scranton, Pa	25	13	27	10	n. 55 e.	21
Atlantic City, N. J	17	18	23	16	s. 82 e.	7
Cape May, N. J	18	24	23	10	s. 65 e.	14
Baltimore, Md	21	23	21	12	s. 13 e.	9
Washington, D. C	16	23	24	13	s. 58 e.	13
Cape Henry, Va.†	10	8	11	9	n. 45 e.	3
Lynchburg, Va	13	18	34	13	s. 77 e.	22
Norfolk, Va	17	19	34	6	s. 86 e.	28
Richmond, Va	19	23	24	8	s. 76 e.	16
Wytheville, Va	10	14	32	17	s. 75 e.	16
South Atlantic States.						
Asheville, N. C	11	28	30	8	s. 52 e.	28
Charlotte, N. C	18	21	27	11	s. 79 e.	16
Hatteras, N. C	20	17	28	14	n. 78 e.	14
Kittyhawk, N. C.*	12	9	15	7	n. 69 e.	8
Raleigh, N. C	16	16	27	17	e.	10
Wilmington, N. C	22	19	28	12	n. 79 e.	16
Charleston, S. C	15	20	32	12	s. 76 e.	21
Columbia, S. C	13	19	37	8	s. 78 e.	30
Augusta, Ga	18	19	34	8	s. 88 e.	26
Savannah, Ga	13	20	30	14	s. 66 e.	18
Jacksonville, Fla	14	20	32	9	s. 55 e.	28
Florida Peninsula.						
Jupiter, Fla	21	11	37	9	n. 70 e.	30
Key West, Fla	18	9	37	11	n. 71 e.	28
Tampa, Fla	21	5	31	17	n. 41 e.	21
Eastern Gulf States.						
Atlanta, Ga	11	22	30	14	s. 56 e.	19
Macon, Ga.†	12	7	14	3	n. 66 e.	12
Pensacola, Fla.†	10	8	16	2	n. 82 e.	14
Mobile, Ala	23	26	18	5	s. 77 e.	13
Montgomery, Ala	15	17	25	19	s. 72 e.	6
Meridian, Miss.†	7	14	14	5	s. 52 e.	11
Vicksburg, Miss	10	27	29	9	s. 50 e.	26
New Orleans, La	15	30	28	8	s. 53 e.	25
Western Gulf States.						
Shreveport, La	11	27	29	12	s. 47 e.	23
Fort Smith, Ark	12	20	33	6	s. 73 e.	28
Little Rock, Ark	12	25	29	8	s. 59 e.	25
Corpus Christi, Tex	8	37	29	6	s. 38 e.	37
Fort Worth, Tex	17	31	14	13	s. 4 e.	14
Galveston, Tex	5	36	26	13	s. 23 e.	34
Palestine, Tex	18	30	16	10	s. 27 e.	13
San Antonio, Tex	20	24	30	9	s. 79 e.	21
Taylor, Tex †	11	15	8	5	s. 37 e.	5
Ohio Valley and Tennessee.						
Chattanooga, Tenn	15	25	18	18	s.	10
Knoxville, Tenn	20	18	19	23	n. 63 w.	4
Memphis, Tenn	8	31	28	7	s. 42 e.	31
Nashville, Tenn	12	27	26	11	s. 45 e.	21
Lexington, Ky. †	3	17	13	5	s. 30 e.	16
Louisville, Ky	15	25	24	8	s. 58 e.	19
Evansville, Ind.†	7	16	14	2	s. 53 e.	15
Indianapolis, Ind	12	29	26	6	s. 50 e.	26
Cincinnati, Ohio	12	19	36	11	s. 74 e.	26
Columbus, Ohio	10	28	30	9	s. 49 e.	28
Pittsburg, Pa	18	23	19	15	s. 39 e.	6
Parkersburg, W. Va	18	25	21	9	s. 60 e.	14
Elkins, W. Va	22	23	15	12	s. 72 e.	3
Lower Lake Region.						
Buffalo, N. Y	10	22	24	18	s. 27 e.	13
Oswego, N. Y	17	25	11	17	s. 37 w.	10
Rochester, N. Y	20	21	20	18	s. 63 e.	2
Syracuse, N. Y	17	25	9	18	s. 48 w.	12
Erie, Pa	12	21	26	9	s. 62 e.	19
Cleveland, Ohio	23	21	25	9	n. 83 e.	16
Sandusky, Ohio †	5	14	10	7	s. 18 e.	10
Toledo, Ohio	16	21	30	10	s. 76 e.	21
Detroit, Mich	17	23	28	11	s. 71 e.	18
Upper Lake Region.						
Alpena, Mich	11	26	31	10	s. 55 e.	26
Escanaba, Mich	24	22	16	7	n. 77 e.	9
Grand Haven, Mich	12	27	22	13	s. 31 e.	18
Houghton, Mich.†	5	13	10	6	s. 27 e.	9
Marquette, Mich	22	24	10	20	s. 79 w.	10
Port Huron, Mich	18	25	21	9	s. 60 e.	14
Sault Ste. Marie, Mich	8	20	30	19	s. 43 e.	16
Chicago, Ill	17	30	19	9	s. 38 e.	16
Milwaukee, Wis	27	21	19	8	n. 61 e.	12
Green Bay, Wis	17	27	25	7	s. 61 e.	21
Duluth, Minn	39	4	34	7	n. 38 e.	44
North Dakota.						
Moorhead, Minn	20	22	26	14	s. 81 e.	12
Bismarck, N. Dak	20	18	20	16	n. 63 e.	4
Williston, N. Dak	14	21	19	21	s. 16 w.	7
Upper Mississippi Valley.						
Minneapolis, Minn.*	13	11	10	3	n. 74 e.	7
St. Paul, Minn	17	25	29	11	s. 66 e.	20
La Crosse, Wis. †	7	20	9	1	s. 32 e.	15
Davenport, Iowa	14	21	29	9	s. 71 e.	21
Des Moines, Iowa	8	31	23	11	s. 28 e.	26
Dubuque, Iowa	13	27	29	9	s. 55 e.	24
Keokuk, Iowa	13	29	23	14	s. 29 e.	18
Cairo, Ill	11	34	26	6	s. 41 e.	30
Springfield, Ill	13	31	19	9	s. 29 e.	21
Hannibal, Mo. †	7	12	15	5	s. 63 e.	11
St. Louis, Mo	11	35	21	4	s. 35 e.	29
Missouri Valley.						
Columbia, Mo.*	3	15	14	3	s. 43 e.	16
Kansas City, Mo	9	31	30	4	s. 50 e.	34
Springfield, Mo	11	35	29	4	s. 46 e.	35
Topeka, Kans.*	6	17	9	2	s. 32 e.	13
Lincoln, Nebr	16	31	24	5	s. 52 e.	24
Omaha, Nebr	15	35	16	9	s. 19 e.	21
Valentine, Nebr	22	17	19	17	n. 22 e.	5
Sioux City, Iowa †	10	13	13	4	s. 72 e.	10
Pierre, S. Dak	17	20	20	19	s. 18 e.	3
Huron, S. Dak	24	18	23	11	n. 63 e.	13
Yankton, S. Dak. †	9	11	13	6	s. 74 e.	7
Northern Slope.						
Havre, Mont	18	14	9	35	n. 81 w.	26
Miles City, Mont	12	23	10	27	s. 57 w.	20
Helena, Mont	13	19	10	35	s. 77 w.	26
Kalispell, Mont	7	19	13	35	s. 61 w.	25
Rapid City, S. Dak	16	16	14	30	w.	16
Cheyenne, Wyo	28	12	8	23	n. 43 w.	22
Lander, Wyo	16	23	12	24	s. 60 w.	14
North Platte, Nebr	19	22	14	23	s. 72 w.	10
Middle Slope.						
Denver, Colo	21	22	16	15	s. 45 e.	1
Pueblo, Colo	20	14	18	26	n. 53 w.	10
Concordia, Kans	15	33	16	7	s. 27 e.	20
Dodge, Kans	21	27	21	9	s. 63 e.	13
Wichita, Kans	16	33	18	5	s. 38 e.	22
Oklahoma, Okla	19	32	16	5	s. 40 e.	17
Southern Slope.						
Abilene, Tex	15	31	22	12	s. 32 e.	19
Amarillo, Tex	18	32	13	14	s. 4 w.	14
Southern Plateau.						
El Paso, Tex	20	9	18	31	n. 50 w.	17
Santa Fe, N. Mex	13	30	21	17	s. 13 e.	18
Flagstaff, Ariz	.....	.....	.....	.....	.....	.....
Phoenix, Ariz	10	12	27	22	s. 68 e.	5
Yuma, Ariz	8	30	6	33	s. 51 w.	35
Independence, Cal	22	11	11	33	n. 64 w.	25
Middle Plateau.						
Carson City, Nev	21	12	4	32	n. 72 w.	29
Winnemucca, Nev	29	13	17	22	n. 17 w.	17
Modena, Utah	5	17	9	41	s. 69 w.	34
Salt Lake City, Utah	24	15	20	16	n. 45 e.	6
Grand Junction, Colo	13	16	20	26	s. 63 w.	7
Northern Plateau.						
Baker City, Oreg	25	24	16	15	n. 45 e.	1
Boise, Idaho	16	16	15	32	w.	17
Lewiston, Idaho †	4	10	19	4	s. 68 e.	16
Pocatello, Idaho	2	26	25	22	s. 9 e.	20
Spokane, Wash	10	29	14	23	s. 25 w.	21
Walla Walla, Wash	9	40	13	14	s. 2 w.	31
North Pacific Coast Region.						
North Head, Wash	27	15	6	30	n. 63 w.	27
Port Crescent, Wash.*	5	3	6	23	n. 83 w.	17
Seattle, Wash	14	30	23	13	s. 32 e.	19
Tacoma, Wash	23	19	1	32	n. 83 w.	31
Tatoosh Island, Wash	10	22	8	36	s. 67 w.	30
Portland, Oreg	22	21	5	29	n. 88 w.	24
Roseburg, Oreg	36	8	16	19	n. 6 w.	28
Middle Pacific Coast Region.						
Eureka, Cal	42	7	6	13	n. 11 w.	36
Mount Tamalpais, Cal	38	0	0	40	n. 46 w.	55
Red Bluff, Cal	35	16	17	8	n. 25 e.	21
Sacramento, Cal	17	33	14	15	s. 3 w.	16
San Francisco, Cal	2	9	0	55	s. 83 w.	56
Point Reyes Light, Cal.*	3	3	1	25	w.	24
Southeast Farallon	38	6	1	41	n. 51 w.	51
South Pacific Coast Region.						
Fresno, Cal	43	0	2	42	n. 43 w.	59
Los Angeles, Cal	9	23	11	33	s. 58 w.	26
San Diego, Cal	14	20	7	34	s. 78 w.	28
San Luis Obispo, Cal	15	13	0	34	n. 87 w.	34
West Indies.						
Basseterre, St. Kitts, W. I	.....	.....	.....	.....	.....	.....
Bridgetown, Barbados	0	16	56	0	s. 74 e.	58
Grand Turk, W. I. †	8	4	21	1	n. 79 e.	20
Hamilton, Bermuda	22	5	37	12	n. 56 e.	30
Havana, Cuba †	1	3	25	4	s. 85 e.	21
Puerto Principe, Cuba	.....	.....	.....	.....	.....	.....
San Juan, Porto Rico	3	34	33	5	s. 43 e.	41

* From observations at 8 p. m. only. † From observations at 8 a. m. only.

TABLE IV.—*Thunderstorms and auroras, May, 1903.*

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	52	T.		1				1	1	1				2	4	5							1								6	11	11	44	11	T.
		A.																																0	0	A.
Arizona	56	T.			3	7	5	1	1	2	2				1	1	10		1								2						4	40	13	T.
		A.																																0	0	A.
Arkansas	57	T.				2	4	5	1		2		7	3	5	2	4	5	10	2	14	8	2	1			1	1	10	12	22	8	2	133	24	T.
		A.																																0	0	A.
California	167	T.			2	1															3	2	3	3	5			1				3	1	24	10	T.
		A.																																0	0	A.
Colorado	81	T.	1			1	3	4	2	2	4	3	1				9	6	2				1		1	1	4	11	1	8	3		2	70	21	T.
		A.																																0	0	A.
Connecticut	21	T.							11							4	2				3	16	3							12	2	1		54	9	T.
		A.																																0	0	A.
Delaware	5	T.					3										2							1	2	4			1	3	3			19	8	T.
		A.																																0	0	A.
Dist. of Columbia	4	T.			1																			1		1			1	1				5	5	T.
		A.																																0	0	A.
Florida	47	T.	1	1	4	11	5	5	9	6	6			4	4	8	5		1									1	2	3		3	12	91	19	T.
		A.																																0	0	A.
Georgia	55	T.			5	4		7								6	4					4	3		2		1	10	7	11	5	8	10	87	15	T.
		A.																																0	0	A.
Idaho	34	T.				1		3						1	4		1						1	1	1		1	1		1			1	17	12	T.
		A.																																0	0	A.
Illinois	92	T.					1				5	9	7	10	4	1	1	7	2	7	1	11	33	22	22	28	33	11	3	18	13	4	10	263	24	T.
		A.									1																							1	1	A.
Indiana	58	T.												1		4	1	3	4	2	12	12	25	12	11	16	21	7	31	8	10	9	11	200	19	T.
		A.																																0	0	A.
Indian Territory	11	T.						1				2	1	1	1	1	1	3	2	3	5	2				1			2	3	7			36	16	T.
		A.																																0	0	A.
Iowa	149	T.		1	3	3	8			4	30	19	30	22	16	4		2	19	8	14	28	24	43	25	18	34	41	25	8	10	2		441	26	T.
		A.																																0	0	A.
Kansas	77	T.		3	1	3	5	3	1		1	5	4	1	1		1	6	1	4	2	6	6	7	4	3	4	8	1	7	4	3		95	27	T.
		A.																																0	0	A.
Kentucky	41	T.			2											1	1	2		1	4	9	5	1					14	12	12	8	11	83	14	T.
		A.																																0	0	A.
Louisiana	46	T.				2	6	9	6	5	1		2	3	4	2				1	1			1					1	4	8	12	5	73	18	T.
		A.																																0	0	A.
Maine	19	T.							3							1				8	8	2	3											25	6	T.
		A.															1																	1	1	A.
Maryland	48	T.			12		2									2	2	1	1	3	3		1	19	10	23		3	15	15	20	6		138	17	T.
		A.																																0	0	A.
Massachusetts	48	T.							19							27	7				25	8								21				107	6	T.
		A.																																0	0	A.
Michigan	106	T.			1	4	3	1				5	1	3	3	3			17	9	28	11	10	19	18	1	14	24	31	4	1			211	22	T.
		A.								1																								1	1	A.
Minnesota	67	T.		2	9	8				8	16	9	7	3	2			5	8	10	14	5	4	20	14	12	14	19	4					193	21	T.
		A.																																0	0	A.
Mississippi	44	T.					2	2	3	6			3	2	9	4					2									4	9	21	7	74	13	T.
		A.																																0	0	A.
Missouri	95	T.		4		3	16		1		4	3	21	10	8	5	9	20	35	26	26	32	40	18	18	23	36	20	32	21	33	30	12	506	27	T.
		A.																																0	0	A.
Montana	40	T.			1	2				1	1			1	2	2		1	1	2			1		3	4	1	1		1				25	16	T.
		A.																																0	0	A.
Nebraska	142	T.	9	4	9	18	15	3			12	30	6	8	2		2	8	10	25	7	13	37	30	6	9	30	31	12	20	15	2	1	374	28	T.
		A.																																0	0	A.
Nevada	40	T.												1								1	1	1	1	4	1					1	1	12	9	T.
		A.																																0	0	A.
New Hampshire	19	T.								8						8	2				3	2								12				35	6	T.
		A.																															1	1	1	A.
New Jersey	51	T.				1	1		4							1	4	2		6	3	10	1	9	1					17	4	1		65	15	T.
		A.																																0	0	A.
New Mexico	31	T.			1	1	3	1			1	1				1	4	2										1					2	18	11	T.
		A.																																0	0	A.
New York	99	T.							2	1						18	1			13	6	8	9	9	2			6	13	24				112	13	T.
		A.																																0	0	A.
North Carolina	56	T.			8	8	2		2			1	1	1		1			1	1		7	8	12	22	29	7	5	15	20	13	12	14	190	22	T.
		A.																																0	0	A.
North Dakota	48	T.									1		2				1	6	6	3	1		8	7			2	3		1	2			43	13	T.
		A.																																0	0	A.
Ohio	128	T.			8											3	2		2	1	8	2	21	51	28	30	37	28	37	23	15	3	2	301	18	T.
		A.																																0	0	A.
Oklahoma	23	T.					3	4	4	1		2	3	1	1	1	2	10	1	8	2	5	10	4	8	5	1	3	2	8	3			92	24	T.
		A.																																0	0	A.
Oregon	74	T.															1											1				4	5	11	4	T.
		A.																																0	0	A.
Pennsylvania	91	T.			6	1	5		1						2	14	2			21	7	14	9	19	10	14	3	2	6	15	8			159	19	T.
		A.																																0	0	A.
Rhode Island	7	T.																			3	4												7	2	T.
		A.																																0	0	A.
South Carolina	46	T.	1		5	8	2	1	1				1		1	1	1						10		4	3	8	12	8	13	4	2	1	87	20	T.
		A.																																0	0	A.
South Dakota	56	T.		1	1	4				5	8	7	3	1				8	3	9	6		17	19	6	11	6	14	3	7	4	4	1	148	23	T.
		A.																																0	0	A.
Tennessee	56	T.	1		4			4						1	2	1	2	3		6	3	17	1			2			2	20	22	17	16	124	18	T.
		A.																																0	0	A.
Texas	95	T.			1		7	16	2		8	25	12	2			5	11	11		3	2		4	2			1	16	22	13	2	1	166	21	T.
		A.																																0	0	A.
Utah	47	T.							1						2	8		9	3	2		1	10	5	7	2	2		4				2	58	14	T.
		A.																																0	0	A.
Vermont	16	T.							5							1	1			1	2			1						8	2			21	8	T.
		A.																																0	0	A.
Virginia	50	T.		2	10				2								1			1	1	2	5	13	14	21	8	3	12	12	14	15	2	138	18	T.
		A.																																0	0	A.
Washington	64	T.						1									4									1		1				3	5	15	6	T.
		A.																																0	0	A.
West Virginia	43	T.			18			1								4	7			2	5	1	5	21	16	18	11	9	5	7	10	4	10	154	18	T.
		A.																																0	0	A.
Wisconsin	60	T.	1	1		1	13	1		2	14	21	18	15	7	1	2	4	16	11	12	6	13	16	26	3	22	31	22	4				283	26	T.
		A.																																0	0	A.
Wyoming	31	T.					1				1	1					1	2	4	4			1	3		2			1	1			1	23	13	T.
		A.																																0	0	A.
Sums	2893	T.	14	20	115	94	115	74	82	52	117	143	130	97	85	146	105	126	161	200	237	251	332	393	289	289	304	310	339	411	297	199	163	5690		T.
		A.	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4		A.

TABLE V.—*Accumulated amounts of precipitation for each 5 minutes, for storms in which the rate of fall equaled or exceeded 0.25 in any 5 minutes, or 0.75 in 1 hour during May, 1903, at all stations furnished with self-registering gages.*

Stations.	Date.	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
	1	2	3	4	5	6	7														
Albany, N. Y	4			0.06														0.06			
Alpena, Mich	2-3			0.98														*			
Asheville, N. C	13-14			0.22														0.16			
Atlanta, Ga	31	3:48 p. m.	8:07 p. m.	1.60	6:15 p. m.	6:45 p. m.	0.17	0.16	0.36	0.58	0.73	1.22	1.37	1.40	1.42						
Atlantic City, N. J	30			0.12					0.12												
Augusta, Ga	28	5:55 p. m.	6:25 p. m.	0.65	5:58 p. m.	6:15 p. m.	T.	0.09	0.29	0.59	0.64	0.65									
Baltimore, Md	24	2:30 a. m.	4:20 a. m.	1.63	2:53 a. m.	3:30 a. m.	0.03	0.21	0.58	0.80	0.87	0.93	1.22	1.44	1.51	1.54					
Binghamton, N. Y	14			0.15														0.14			
Bismarck, N. Dak	17-18			0.85														0.48			
Block Island, R. I	30			0.64														0.50			
Boise, Idaho	26-27			0.23														0.12			
Boston, Mass	28			0.06														0.05			
Buffalo, N. Y	26-27			1.05														0.38			
Cairo, Ill	27			0.62														0.58			
Charleston, S. C	13			0.66														0.39			
Charlotte, N. C	23			0.12														0.12			
Chattanooga, Tenn	29	1:40 p. m.	5:22 p. m.	1.06	2:18 p. m.	2:55 p. m.	0.09	0.29	0.38	0.48	0.51	0.61	0.65	0.72							
Do	30	1:55 p. m.	4:45 p. m.	1.88	2:07 p. m.	3:00 p. m.	0.01	0.06	0.13	0.27	0.37	0.60	0.90	1.15	1.43	1.53	1.68	1.78			
Chicago, Ill	25			0.30														0.22			
Cincinnati, Ohio	27	6:25 p. m.	9:30 p. m.	1.42	6:51 p. m.	7:25 p. m.	0.12	0.08	0.15	0.25	0.43	0.55	0.72	0.98	0.99						
Cleveland, Ohio	29			0.45														0.31			
Columbia, Mo	25	10:50 a. m.	12:15 p. m.	1.96	11:04 a. m.	12:05 p. m.	0.01	0.20	0.54	0.67	0.85	1.04	1.27	1.46	1.60	1.65	1.72	1.94			
Columbia, S. C	28	6:30 p. m.	10:20 p. m.	1.35	6:45 p. m.	7:25 p. m.	0.05	0.13	0.28	0.42	0.58	0.74	0.87	0.98	1.03						
Columbus, Ohio	25			0.80														0.41			
Corpus Christi, Tex	10	11:00 a. m.	1:35 p. m.	2.15	11:50 a. m.	12:45 p. m.	0.06	0.18	0.48	0.69	0.94	1.01	1.22	1.55	1.76	1.88	1.92	2.02			
Davenport, Iowa	26			0.73														0.51			
Denver, Colo	31			0.39														0.18			
Des Moines, Iowa	21-22	11:55 p. m.	D. N.	1.38	1:08 a. m.	2:30 a. m.	0.10	0.08	0.17	0.44	0.66	0.72	0.77	0.82	0.86	0.89	0.93	0.99	1.27		
Detroit, Mich	27			0.38														0.32			
Dodge, Kans	26			0.56														0.56			
Dubuque, Iowa	26-27			1.60														0.67			
Duluth, Minn	23			0.27							0.27										
Eastport, Me	4-5			2.13														0.21			
Elkins, W. Va	29	7:17 p. m.	8:15 p. m.	0.65	7:19 p. m.	7:38 p. m.	T.	0.23	0.42	0.57	0.63	0.64									
Erie, Pa	26-27	8:30 p. m.	D. N.	2.07	8:32 p. m.	9:05 p. m.	T.	0.30	0.63	1.28	1.38	1.45	1.51	1.61	1.64						
Escanaba, Mich	18			0.51														0.34			
Evansville, Ind	27			0.58														0.57			
Fort Smith, Ark	19	1:13 a. m.	5:19 a. m.	1.36	1:15 a. m.	2:05 a. m.	0.01	0.07	0.21	0.23	0.28	0.32	0.44	0.55	0.67	0.72	0.78	0.84			
Fort Worth, Tex	28			1.13														0.42			
Galveston, Tex	11			0.35														0.30			
Grand Haven, Mich	23			0.54														0.54			
Grand Junction, Colo	21			0.25														0.24			
Green Bay, Wis	23			0.99														0.33			
Harrisburg, Pa	24			0.21														0.16			
Hatteras, N. C	3			3.11														0.70			
Huron, S. Dak	26			0.25								0.25									
Indianapolis, Ind	25	6:22 a. m.	9:02 a. m.	0.95	6:32 a. m.	7:10 a. m.	0.09	0.15	0.36	0.52	0.58	0.62	0.65	0.70							
Jacksonville, Fla	12-13	12:17 p. m.	10:30 a. m.	8.93	12:15 a. m.	12:50 a. m.	2.34	0.10	0.22	0.34	0.41	0.49	0.59	0.66							
					5:30 a. m.	6:20 a. m.	4.17	0.06	0.15	0.34	0.55	0.67	0.76	0.81	0.86	0.96	1.10				
					6:20 a. m.	7:10 a. m.		1.29	1.43	1.58	1.85	2.01	2.26	2.50	2.69	2.80	2.97				
					7:10 a. m.	8:00 a. m.		3.19	3.43	3.95	3.75	3.83	3.93	3.96	4.10	4.17	4.22				
Jupiter, Fla	14	2:29 p. m.	3:25 p. m.	1.05	2:56 p. m.	3:15 p. m.	0.01	0.21	0.58	0.86	1.01	1.02									
Kalispell, Mont	9			0.10														0.08			
Kansas City, Mo	26-27			0.76														0.52			
Key West, Fla	23			0.17														0.16			
Knoxville, Tenn	29	5:30 p. m.	9:25 p. m.	0.83	5:39 p. m.	6:00 p. m.	0.01	0.11	0.14	0.30	0.51	0.54	0.56	0.58							
La Crosse, Wis	26	6:23 p. m.	11:55 p. m.	1.39	8:27 p. m.	8:50 p. m.	0.02	0.08	0.31	0.46	0.53	0.62	0.65	0.70							
Lewiston, Idaho	17-18			1.05														0.13			
Lexington, Ky	29			0.30									0.30								
Lincoln, Nebr	24-25	10:42 p. m.	D. N.	1.37	10:52 p. m.	11:35 p. m.	T.	0.18	0.32	0.40	0.51	0.57	0.82	0.91	0.96	1.01	1.03				
Little Rock, Ark	29	6:50 p. m.	11:30 p. m.	1.13	8:12 p. m.	8:38 p. m.	0.25	0.31	0.39	0.42	0.53	0.75	0.76	0.78	0.82						
Los Angeles, Cal	23			T.																	
Louisville, Ky	31	7:12 p. m.	10:30 p. m.	1.52	7:13 p. m.	7:30 p. m.	T.	0.60	0.89	1.05	1.09	1.10									
Lynchburg, Va	27			0.66														0.65			
Macon, Ga	14-15	8:05 p. m.	5:15 a. m.	1.51	2:15 a. m.	2:35 a. m.	0.76	0.06	0.28	0.50	0.62	0.63									
Memphis, Tenn	28	12:08 p. m.	1:05 p. m.	0.69	12:09 p. m.	12:31 p. m.	T.	0.13	0.31	0.56	0.66	0.68									
Do	29-30	8:05 p. m.	D. N.	1.30	10:05 p. m.	10:35 p. m.	0.12	0.10	0.20	0.32	0.46	0.51	0.60	0.64							
Meridian, Miss	30			0.42														0.40			
Milwaukee, Wis	23	10:30 a. m.	11:30 a. m.	0.81	10:45 a. m.	11:05 a. m.	0.01	0.08	0.36	0.66	0.76	0.79									
Montgomery, Ala	14			1.53														0.63			
Nantucket, Mass	30			0.83														0.35			
Nashville, Tenn	30	6:05 p. m.	9:45 p. m.	1.86	7:10 p. m.	7:35 p. m.	0.70	0.16	0.44	0.60	0.74	0.79	0.83	0.86	0.90	0.91					
New Haven, Conn	28			0.20														0.08			
New Orleans, La	7			0.56														0.27			
New York, N. Y	22			0.08														0.08			
Norfolk, Va	24	9:55 p. m.	11:55 p. m.	1.13	9:58 p. m.	10:20 p. m.	T.	0.26	0.64	0.86	0.93	0.97	0.99								
Northfield, Vt	28			0.16									0.16								
North Head, Wash	6			0.33														0.11			
Oklahoma, Okla	21	9:48 p. m.	D. N.	1.25	10:37 p. m.	11:10 p. m.	0.09	0.28	0.49	0.55	0.70	0.86	1.08	1.13							
Do	23-24	11:40 p. m.	5:40 a. m.	4.06	12.05 a. m.	12:58 a. m.	0.05	0.07	0.13	0.21	0.49	0.74	0.88	1.02	1.21	1.41	1.49				
Do	28-29	10:08 p. m.	3:30 a. m.	3.27	10:10 p. m.	11:45 p. m.	T.	0.31	0.55	0.75	0.90	0.96	1.01	1.03	1.09	1.12	1.19	1.25	1.47	1.67	
Omaha, Nebr	10	1:40 p. m.	8:50 p. m.	1.22	2:04 p. m.	2:50 p. m.	T.	0.04	0.06	0.08	0.31	0.43	0.55	0.60	0.64	0.67					
Do	21-22	9:35 p. m.	N. D.	0.81	10:05 p. m.	10:35 p. m.	0.01	0.05	0.13	0.22	0.30	0.55	0.66	0.67							
Palestine, Tex	29			0.64														0.45			
Parkersburg, W. Va	25-26			0.64														0.44			
Pensacola, Fla	3			0.27										0.27							
Philadelphia, Pa	3-4			0.37														0.28			
Pittsburg, Pa	27			0.37								0.37									
Pocatello, Idaho	26			0.13											0.13						
Portland, Me	5-6			0.46														0.10			
Portland, Oreg	6			0.24														0.12			
Pueblo, Colo	28			0.23														0.14			
Raleigh, N. C	21	4:11 p. m.	4:45 p. m.	0.68	4:14 p. m.	4:35 p. m.	T.	0.20	0.34	0.59	0.67	0.68									
Do	28-29	10:25 p. m.	D. N.	1.28	10:52 p. m.	12:15 a. m.	T.	0.12	0.20	0.26	0.32	0.55	0.58	0.61	0.65	0.66	0.67	0.79	1.19	1.28	
Richmond, Va	30	6:39 p. m.	7:38 p. m.	1.03	6:39 p. m.	7:10 p. m.	0.00	0.24	0.43	0.61	0.66	0.86	0.96	0.99	1.01						
Rochester, N. Y	27-28			0.19														0.11			
Sacramento, Cal	16			T.																	
St. Louis, Mo	31	8:10 p. m.	10:30 p. m.	1.27	9:03 p. m.	9:35 p. m.	0.23	0.11	0.12	0.18	0.48	0.76	0.99	1.01							
St. Paul, Minn	26			1.05														0.58			
Salt Lake City, Utah	21			0.94														0.52			
San Antonio, Tex	9	6:00 a. m.	9:10 a. m.	0.98	6:10 a. m.	6:45 a. m.	T.	0.09	0.20	0.33	0.53	0.66	0.76	0.82	0.85						

TABLE V.—*Accumulated amounts of precipitation for each 5 minutes, etc.*—Continued.

Stations.	Date.	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
	1	2	3	4	5	6	7														
San Diego, Cal	25			0.11														0.08			
Sandusky, Ohio	27	5:50 p. m.	9:10 p. m.	0.76	5:50 p. m.	6:15 p. m.	0.00	0.20	0.31	0.33	0.40	0.46	0.48	0.52							
San Francisco, Cal	25-26			T.																	
Savannah, Ga	26			0.50														0.49			
Scranton, Pa	21-22			0.35														0.25			
Seattle, Wash	21-22			0.46														0.29			
Shreveport, La	8			0.49														0.48			
Spokane, Wash	15			0.30														0.29			
Springfield, Ill	24	10:46 a. m.	4:10 p. m.	1.65	2:25 p. m.	2:43 p. m.	1.00	0.12	0.26	0.49	0.53										
Springfield, Mo	30	8:19 a. m.	9:26 a. m.	0.84	8:30 a. m.	9:00 a. m.	0.03	0.05	0.13	0.25	0.38	0.53	0.68	0.73	0.76						
Tampa, Fla	12	5:50 p. m.	7:45 p. m.	0.71	6:03 p. m.	6:33 p. m.	T.	0.05	0.10	0.14	0.23	0.42	0.62	0.63	0.66						
Taylor, Tex.	5			0.60														0.28			
Toledo, Ohio	27			0.86														0.40			
Topeka, Kan	29	3:28 p. m.	5:30 p. m.	0.78	4:05 p. m.	4:31 p. m.	0.09	0.09	0.27	0.42	0.54	0.64	0.67								
Valentine, Nebr	25			0.50														0.49			
Vicksburg, Miss	8			0.89														0.45			
Washington, D. C	3	6:45 p. m.	8:30 p. m.	0.54	7:40 p. m.	8:04 p. m.	T.	0.07	0.24	0.30	0.45	0.51	0.54								
Wichita, Kans	20-21	9:45 p. m.	6:30 a. m.	2.22	9:47 p. m.	10:50 p. m.	T.	0.18	0.33	0.45	0.68	1.02	1.22	1.28	1.34	1.44	1.57	1.67			
Do	22	9:13 p. m.	11:05 p. m.	1.07	10:15 p. m.	10:40 p. m.	0.19	0.05	0.23	0.54	0.67	0.76	0.80								
Wilmington, N. C	4	3:00 p. m.	8:15 p. m.	1.18	3:08 p. m.	3:45 p. m.	0.02	0.08	0.20	0.33	0.43	0.50	0.59	0.64	0.70	0.73	0.76				
Do	30	11:40 a. m.	1:12 p. m.	0.68	11:43 a. m.	12:15 p. m.	T.	0.10	0.16	0.23	0.30	0.46	0.52	0.59	0.62	0.64					
Wytheville, Va	31	11:02 a. m.	11:27 a. m.	0.79	11:02 a. m.	11:17 a. m.	0.00	0.19	0.51	0.75	0.78	0.79									
Yankton, S. Dak	9-10			1.69														0.77			
Bridgetown, Barbados	21			0.58														0.39			
Havana, Cuba	13	1:43 a. m.	5:30 a. m.	1.38	3:05 a. m.	4:05 a. m.	0.25	0.06	0.13	0.20	0.23	0.26	0.30	0.38	0.53	0.68	0.77	0.99			
San Juan, Porto Rico	20	12:26 p. m.	9:30 p. m.	1.72	4:45 p. m.	5:30 p. m.	0.79	0.10	0.18	0.29	0.35	0.42	0.47	0.51	0.65						

*Self-register not working.

TABLE VI.—*Data furnished by the Canadian Meteorological Service, May, 1903.*

Stations.	Pressure, in inches. Actual, reduced to mean of 24 hours.	Pressure. Sea level, reduced to mean of 24 hours.	Pressure. Departure from normal.	Temperature. Mean.	Temperature. Departure from normal.	Temperature. Mean maximum.	Temperature. Mean minimum.	Precipitation. Total.	Precipitation. Departure from normal.	Precipitation. Depth of snow.
	Ins.	Ins.	Ins.	°	°	°	°	Ins.	Ins.	Ins.
St. Johns, N. F										
Sydney, C. B. I	30.09	30.13	+.16	45.7	+ 0.5	55.2	36.2	1.66	-2.11	
Halifax, N. S	30.03	30.14	+.16	50.9	+ 2.5	61.5	40.3	0.67	-3.59	
Grand Manan, N. B	30.04	30.09	+.12	49.7	+ 1.8	57.9	41.5	4.99	+1.38	
Yarmouth, N. S	30.07	30.14	+.16	48.7	+ 1.1	56.9	40.6	0.93	-2.87	
Charlottetown, P. E. I	30.07	30.11	+.15	47.2	+ 0.3	56.6	37.7	0.83	-2.08	0.8
Chatham, N. B	30.05	30.08	+.13	50.2	+ 1.7	62.8	37.6	1.37	-1.84	T.
Father Point, Que	30.05	30.08	+.15	45.8	+ 1.8	55.0	36.6	1.27	-1.31	
Quebec, Que	29.77	30.10	+.16	53.1	+ 3.2	64.5	41.7	0.76	-2.32	
Montreal, Que	29.89	30.09	+.15	58.0	+ 3.3	69.9	46.2	0.11	-2.84	
Bissett, Ont	29.51	30.12	+.19	53.7	+ 1.4	70.6	36.9	1.99	-0.52	
Ottawa, Ont	29.83	30.15	+.21	59.2	+ 4.3	72.9	45.4	0.12	-2.47	T.
Kingston, Ont	29.80	30.11	+.15	55.9	+ 3.0	65.3	45.5	0.52	-2.16	
Toronto, Ont	29.74	30.11	+.13	55.9	+ 2.7	66.6	45.2	1.80	-1.24	0.1
White River, Ont	28.83	30.15	+.20	47.0	+ 1.3	60.3	33.7	4.96	+3.01	2.2
Port Stanley, Ont	29.46	30.10	+.13	56.0	+ 2.9	65.8	46.3	3.27	+0.09	T.
Saugeen, Ont	29.40	30.11	+.15	55.8	+ 5.1	66.7	44.8	1.73	-0.71	0.2
Parry Sound, Ont	29.40	30.09	+.14	55.3	+ 4.2	67.6	43.1	2.75	-0.18	
Port Arthur, Ont	29.34	30.05	+.09	46.4	+ 0.5	54.8	38.0	3.17	+1.02	0.3
Winnipeg, Man	29.09	29.92	-.04	54.2	+ 2.6	67.8	40.6	3.40	+1.12	
Minnedosa, Man	28.09	29.90	-.06	51.4	+ 3.0	64.4	38.4	4.65	+3.20	
Qu'Appelle, Assin	27.59	29.83	-.11	50.0	+ 0.2	62.3	37.8	3.86	+2.21	1.2
Medicine Hat, Assin	27.58	29.85	-.04	52.4	- 1.7	65.3	39.5	4.19	+2.88	5.5
Swift Current, Assin	27.31	29.87	-.05	49.3	- 1.4	61.7	36.9	3.23	+1.47	12.4
Calgary, Alberta	26.30	29.82	-.06	46.1	- 2.9	59.9	32.2	4.25	+2.48	31.9
Banff, Alberta	25.29	29.88	.00	43.0	- 4.0	54.5	31.5	0.94	-1.10	6.1
Edmonton, Alberta	27.54	29.81	-.07	49.2	- 1.6	62.8	35.5	1.21	-0.34	5.7
Prince Albert, Sask	28.28	29.84	-.11	47.2	- 0.4	61.6	32.8	2.08	+0.82	2.1
Battleford, Sask	28.13	29.85	-.07	49.9	- 1.1	63.0	36.7	3.70	+2.08	3.1
Kamloops, B. C										
Victoria, B. C	29.95	30.05	+.05	51.6	- 0.9	57.9	45.3	0.79	-0.69	
Barkerville, B. C	25.62	29.91	+.07	43.3	- 2.2	55.2	31.5	2.78	+0.26	5.0
Hamilton, Bermuda	29.89	30.05	-.01	68.2	- 1.2	73.1	63.4	3.98	-0.68	
Dawson City, Yukon										

TABLE VII.—*Heights of rivers referred to zeros of gages, May, 1903.*

Stations.	Distance to mouth of river.	Danger line on gage.	Highest water. Height.	Highest water. Date.	Lowest water. Height.	Lowest water. Date.	Mean stage.	Monthly range.
Mississippi River.	Miles.	Feet.	Feet.		Feet.		Feet.	Feet.
St. Paul, Minn	1,954	14	10.9	19	6.8	3-5	8.7	4.1
Red Wing, Minn	1,914	14	10.3	31	6.6	1	8.8	3.7
Reeds Landing, Minn	1,884	12	9.7	31	6.1	1	8.0	3.6
La Crosse, Wis	1,819	12	11.8	31	7.5	1	9.7	4.3
Prairie du Chien, Wis	1,759	18	13.8	31	8.2	3,4	11.0	5.6
Dubuque, Iowa	1,699	15	15.0	30	8.9	5	11.5	6.1
Leclaire, Iowa	1,609	10	9.6	31	5.4	6-8	6.8	4.2
Davenport, Iowa	1,593	15	12.3	31	7.2	6-9	8.8	5.1
Muscatine, Iowa	1,562	16	13.4	31	8.5	9	10.2	4.9
Galland, Iowa	1,472	8	6.7	31	4.3	9-11	5.1	2.4
Keokuk, Iowa	1,463	15	15.3	31	7.7	11	9.4	7.6
Hannibal, Mo	1,402	13	14.3	31	8.8	11-13	10.4	5.5
Grafton, Ill	1,306	23	16.0	31	12.0	16	13.6	4.0
St. Louis, Mo	1,264	30	25.6	31	15.8	16	19.3	9.8
Chester, Ill	1,189	30	20.6	31	12.6	16	15.5	8.0
New Madrid, Mo	1,003	34	32.0	1	17.4	17,18	21.0	14.6
Memphis, Tenn	843	33	34.2	1	14.7	19	20.2	19.5
Helena, Ark	767	42	44.4	1,2	22.0	20	29.9	22.4
Arkansas City, Ark	635	42	45.5	3-5	30.0	22,23	37.0	15.5
Greenville, Miss	595	42	39.7	3-5	24.8	23	31.6	14.9
Vicksburg, Miss	474	45	45.0	1	30.7	25,26	38.7	14.3
New Orleans, La	108	16	18.4	1,2	13.3	30,31	16.6	5.1
Yellowstone River.								
Glendive, Mont	98	17	5.3	24,25	0.4	1	2.7	4.9
James River.	Miles.	Feet.	Feet.		Feet.		Feet.	Feet.
Lamoure, N. Dak		25	0.0	26,27	-1.6	1-7,10-14,21	-1.2	1.6
Huron, S. Dak	210	9	3.7	19	2.7	1	3.3	1.0
Missouri River.								
Townsend, Mont	2,504	10	5.9	18	4.6	5	5.1	1.3
Fort Benton, Mont	2,285	12	4.0	31	2.4	4-7	3.1	1.6
Bismarck, N. Dak	1,309	14	5.8	27	2.0	4	3.5	3.8
Pierre, S. Dak	1,114	14	7.1	28	3.0	7-10	4.2	4.1
Sioux City, Iowa	784	19	12.3	30	7.6	6-9	9.0	4.7
Omaha, Nebr	669	18	13.1	31	7.6	10	9.1	5.5
Plattsmouth, Nebr	641	17	11.0	31	4.4	9,10	6.0	6.6
St. Joseph, Mo	481	10	12.8	31	3.4	10-12	5.8	9.4
Kansas City, Mo	388	21	30.7	31	8.7	1	13.9	22.0
Glasgow, Mo	231		16.7	31	4.6	2	8.1	12.1
Boonville, Mo	199	20	21.0	31	9.0	3	12.5	12.0
Hermann, Mo	103	24	21.0	31	8.1	4	12.4	12.9
Chippewa River.								
Chippewa Falls, Wis	90	16	12.0	29,30	3.8	11	7.3	8.2
Illinois River.								
Peoria, Ill	135	14	15.4	1	10.6	27	12.4	4.8
Youghiogheny River.								
Confluence, Pa	59	10	2.0	1	0.8	22	1.3	1.2
West Newton, Pa	15	23	2.3	26	0.4	22	1.1	1.9

TABLE VII.—*Heights of rivers referred to zeros of gages*—Continued.

Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.
			Height.	Date.	Height.	Date.		
Allegheny River.	*Miles.*	*Feet.*	*Feet.*		*Feet.*		*Feet.*	*Feet.*
Warren, Pa	177	14	1.2	1	0.5	25–28	0.7	0.7
Oil City, Pa	123	13	1.8	1	0.8	18-20,26,27	1.2	1.0
Parker, Pa	73	20	1.6	1,6	0.7	21–23	1.1	0.9
Freeport, Pa	29	20	4.0	1	1.6	22,23	2.6	2.4
Clarion River.								
Clarion, Pa	32	10	1.9	5	0.2	22,23	0.8	1.7
Monongahela River.								
Weston, W. Va	161	18	9.5	26	0.0	21	2.7	9.5
Fairmont, W. Va	119	25	10.5	27	1.0	21–23	2.6	9.5
Greensboro, Pa	81	18	12.7	27	6.7	21–23	7.7	6.0
Lock No. 4, Pa	40	28	14.5	28	6.2	15	8.0	8.3
Conemaugh River.								
Johnstown, Pa	64	7	2.5	1	1.0	22,23	1.9	1.5
Red Bank Creek.								
Brookville, Pa	35	8	0.4	1-10	—0.2	26–31	1.0	0.6
Beaver River.								
Ellwood Junction, Pa	10	14	3.0	1	2.4	19–22	2.8	0.6
Great Kanawha, River.								
Charleston, W. Va	58	30	7.4	22, 23, 25, 29, 30	4.1	20	5.9	3.3
Little Kanawha River.								
Glenville, W. Va	103	20	6.0	26	—2.7	19–22	0.1	8.7
New River.								
Radford, Va	155	14	1.8	1	0.0	27–31	0.8	1.8
Hinton, W. Va	95	14	3.7	1	1.9	26–28	2.5	1.8
Cheat River.								
Rowlesburg, W. Va	36	14	5.4	27	1.3	22	2.4	4.1
Ohio River.								
Pittsburg, Pa	966	22	7.3	28	2.8	2	5.5	4.5
Davis Island Dam, Pa	960	25	7.0	28	2.7	19–22	4.1	4.3
Beaver Dam, Pa	925	27	8.8	29	3.1	19, 20	5.0	5.7
Wheeling, W. Va	875	36	8.1	29	2.7	21, 22	4.7	5.4
Parkersburg, W. Va	785	36	8.5	31	3.5	22, 23	6.1	5.0
Point Pleasant, W. Va	705	39	11.2	1	2.6	22	5.7	8.6
Huntington, W. Va	660	50	16.7	1	5.6	22	9.4	11.1
Catlettsburg, Ky	651	50	16.9	1	4.6	22	8.2	12.3
Portsmouth, Ohio	612	50	18.7	1	5.9	25	9.8	12.8
Cincinnati, Ohio	499	50	23.0	1	7.6	25	12.0	15.4
Madison, Ind	413	46	20.7	1	7.4	26	11.5	13.3
Louisville, Ky	367	28	9.0	1, 2	4.3	26–28	6.1	4.7
Evansville, Ind	184	35	20.9	1	6.4	29	10.8	14.5
Paducah, Ky	47	40	28.3	1	9.1	26	13.7	19.2
Cairo, Ill	1,073	45	38.0	1	20.7	17	25.1	17.3
Muskingum River.								
Zanesville, Ohio	70	20	7.7	1	6.1	20–22	6.8	1.6
Scioto River.								
Columbus, Ohio	110	17	3.2	1–13	1.6	22, 23	2.8	1.6
Miami River.								
Dayton, Ohio	77	18	2.7	28	1.4	19–21	1.8	1.3
Wabash River.								
Mount Carmel, Ill	50	15	8.3	1	3.3	23	5.1	5.0
Licking River.								
Falmouth, Ky	30	25	3.0	1–6	1.2	27	2.2	1.8
Kentucky River.								
High Bridge, Ky	117	17	11.2	3	9.2	26–30	9.9	2.0
Frankfort, Ky	65	31	8.3	1	5.9	29, 30	6.6	2.4
Clinch River.								
Speers Ferry, Va	156	20	1.8	1	—0.3	26, 27	0.3	2.1
Clinton, Tenn	52	25	8.5	1	3.4	28, 29	5.1	5.1
Holston River.								
Rogersville, Tenn	103	14	3.7	1	1.9	28, 29	2.5	1.8
French Broad River.								
Asheville, N. C	144	6	1.6	30	0.3	21, 22	0.7	1.3
Leadvale, Tenn	70	15	2.0	4	—1.8	5	0.1	3.8
Tennessee River.								
Knoxville, Tenn	635	29	5.0	1	1.7	28	2.8	3.3
Kingston, Tenn	556	25	5.4	1	2.0	27–29	3.2	3.4
Chattanooga, Tenn	452	33	9.0	1	3.5	28, 29	5.3	5.5
Bridgeport, Ala	402	24	7.3	1	2.0	29	3.6	5.3
Florence, Ala	255	16	6.6	1	1.9	29	4.1	4.7
Riverton, Ala	225	25	10.0	16	2.3	29	5.5	7.7
Johnsonville, Tenn	95	24	10.6	1	4.0	29	7.0	6.6
Cumberland River.								
Burnside, Ky	516	50	6.0	1	1.9	26, 27	2.9	4.1
Carthage, Tenn	305	40	7.7	1	2.0	25, 28	3.7	5.7
Nashville, Tenn	189	40	13 8	31	2.9	27, 28	6.0	10.9
Clarksville, Tenn	126	42	18.3	31	4.4	28	8.4	13.9
Arkansas River.								
Wichita, Kans	832	10	6.3	31	1.6	1	2.5	4.7
Webbers Falls, Ind. T	465	23	24.1	26	3.0	2, 3, 6	12.4	21.1
Fort Smith, Ark	403	22	25.1	26	3.9	3–7	13.6	21.2
Dardanelle, Ark	256	21	22.7	31	3.3	4–6	12.9	19.4
Little Rock, Ark	176	23	23.5	29	4.5	2	14.3	19.0
White River.								
Newport, Ark	150	26	25.3	25	4.9	11	14.7	20.4
Yazoo River.								
Yazoo City, Miss	80	25	22.0	1	6.9	31	15.1	15.1
Red River.								
Arthur City, Tex	638	27	12.0	30, 31	5.9	5–11	7.9	6.1
Fulton, Ark	515	28	21.8	23, 24	8.7	6, 7	12.9	13.1
Red River—Continued.	*Miles.*	*Feet.*	*Feet.*		*Feet.*		*Feet.*	*Feet.*
Shreveport, La	327	29	13.2	26	3.8	11	6.8	9.4
Alexandria, La	118	33	16.3	30	11.0	25, 26	12.8	5.3
Ouachita River.								
Camden, Ark	304	39	33.0	13, 14	6.5	6	19.8	26.5
Monroe, La	122	40	34.3	1	28.8	31	30.9	5.5
Atchafalaya River.								
Melville, La	100	31	36.8	1	31.0	31	34.6	5.8
Susquehanna River.								
Binghamton, N. Y	306	16	3.2	1	2.7	25-28,30,31	2.9	0 5
Towanda, Pa	262	16	1.5	1	0.5	26–31	0.9	1.0
Wilkesbarre, Pa	183	17	4.8	1	3.0	29–31	3.6	1.8
Harrisburg, Pa	69	17	3.2	1	1.2	29-31	1.9	2.0
West Branch Susquehanna.								
Lockhaven, Pa	65	12	0.5	1	— 0.5	27, 28	0.3	1.0
Williamsport, Pa	39	20	2.4	1	0.9	25, 26	1.4	1.5
Juniata River.								
Huntingdon, Pa	90	24	3.8	1, 4, 25	3.3	21–23	3.5	0.5
Shenandoah River.								
Riverton, Va	58	22	1.2	1	0.3	29	0.6	0.9
Potomac River.								
Cumberland, Md	290	8	3.2	1, 2, 8, 9, 26, 27	2.5	21	2.9	0.7
Harpers Ferry, W. Va	172	18	3.4	1	0.3	25	1.8	3.1
James River.								
Lynchburg, Va	260	18	2.7	1	1.0	20–28	1.5	1.7
Richmond, Va	111	12	2.0	1	— 0.2	21–23	0.6	2.2
Dan River.								
Danville, Va	55	8	1.9	29	— 0.2	23, 24	0.3	2.1
Roanoke River.								
Clarksville, Va	196	12	6.5	1	3.9	22, 23	4.6	2.6
Weldon, N. C	129	30	16.1	1	10.6	24	11.7	5.5
Cape Fear River.								
Fayetteville, N. C	112	38	14.7	1	3.7	24	5.7	11.0
Edisto River.								
Edisto, S. C	75	6	5.0	9	3.4	30, 31	4.0	1.6
Pedee River.								
Cheraw, S. C	149	27	6.8	1	2.8	27	4.3	4.0
Black River.								
Kingstree, S. C	52	12	7.5	1	1.6	29–31	5.0	5.9
Lynch Creek.								
Effingham, S. C	35	12	6.2	5	4.0	26–31	4.6	2.2
Santee River.								
St. Stephens, S. C	97	12	8.5	1	4.8	29, 30	7.0	3.7
Congaree River.								
Columbia, S. C	37	15	3.2	29	1.3	26	2.0	1.9
Wateree River.								
Camden, S. C	45	24	9.7	31	5.9	28	7.9	3.8
Waccamaw River.								
Conway, S. C	40	7	4.5	11	2.0	23	3.4	2.5
Savannah River.								
Calhoun Falls, S. C	347	15	4.0	4	3.0	26, 27	3.4	1.0
Augusta, Ga	268	32	12.8	16	8.8	26, 27	10.2	4.0
Broad River.								
Carlton, Ga	30	11	4.0	31	2.8	26, 27, 29	3.1	1.2
Flint River.								
Albany, Ga	80	20	16.9	18	4.0	7	9.2	12.9
Chattahoochee River.								
Oakdale, Ga	305	18	5.0	5, 27, 28	2.3	16	4.1	2.7
Westpoint, Ga	239	20	12.7	15	3.6	26–30	4.9	9.1
Ocmulgee River.								
Macon, Ga	125	18	11.0	16	4.2	27	5.7	6.8
Oconee River.								
Dublin, Ga	79	20	11.5	19	2.3	27, 28	4.9	9.2
Coosa River.								
Rome, Ga	271	30	6.7	31	2.0	28, 29	3.1	4.7
Gadsden, Ga	144	18	6.5	16	1.7	29	3.4	4.8
Alabama River.								
Montgomery, Ala	265	35	28.5	17	4.8	29, 30	9.5	23.7
Selma, Ala	212	35	31.2	18	6.4	29	12.6	24.8
Tombigbee River.								
Columbus, Miss	303	33	12.5	18	— 1.4	8–11	2.6	13.9
Demopolis, Ala	155	35	39.0	18	3.4	10, 11	17.4	35.6
Black Warrior River.								
Tuscaloosa, Ala	90	43	43.4	16	6.7	11	14.5	36.7
Brazos River.								
Kopperl, Tex	369	21	1.0	20, 21	— 0.8	1–19	—0.3	1.8
Waco, Tex	301	24	5.4	29	2.9	22	3.3	2.5
Booth, Tex	76	39	6.9	1	4.0	15	4.8	2.9
Red River of the North.								
Moorhead, Minn	418	26	8.8	23, 24	8.3	18	8.5	0.5
Columbia River.								
Umatilla, Oreg	270	25	14.9	31	10.0	4	12.7	4.9
The Dalles, Oreg	166	40	23.4	31	15.2	3–5	19.5	8.2
Willamette River.								
Albany, Oreg	118	20	4.6	18	3.7	25–27	4.3	0.9
Portland, Oreg	12	15	12.9	31	8.5	4, 5	10.9	4.4
Sacramento River.								
Red Bluff, Cal	265	23	4.2	23	1.8	30, 31	3.0	2.4
Sacramento, Cal	64	29	21.5	14, 17, 18	17.3	30	20.2	4.2