DESCRIPTION OF TABLES AND CHARTS.

By W. B. STOCKMAN, Forecast Official, in charge of Divison of Records and Meteorological Data.

Table I gives, for about 145 Weather Bureau stations making two observations daily and for about 25 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 2,700 stations occupied by voluntary 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 constructed in the same way. 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 $t_0 - t$, 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. On account of excessive local abnormalities of temperature in the great California Valley, between the Coast Range and the Sierra Nevada Mountains, the stations in that valley have been ignored in drawing the lines of equal 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.—West Indian monthly isobars, isotherms, and resultant winds, constructed as on Charts IV and VI.

TABLE 1.—*Climatological data for Weather Bureau Stations, October, 1902.*

Stations.	Elevation of instruments.			Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.												Precipitation, in inches.			Wind.								
	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.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	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.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.
New England.							51.1	+ 1.1										76	4.43	+ 0.6											
Eastport	76	69	74	29.92	30.00	.00	47.0	+ 0.2	69	2	54	27	26	40	27	44	39	75	3.36	− 0.7	13	8,888	sw.	50	s.	28	7	12	12	5.6	
Portland, Me.	103	81	117	29.90	30.02	− .02	49.2	+ 0.1	72	19	57	29	26	42	24	45	40	72	4.95	+ 1.0	9	7,367	sw.	40	se.	28	10	9	12	5.7	0.3
Northfield	876	16	60	29.08	30.05	+ .01	44.2	+ 0.9	69	19	55	18	18	34	39	41	38	79	3.01	+ 0.7	18	7,020	s.	35	se.	13	1	10	20	5.6	
Boston	125	115	181	29.91	30.05	.00	53.6	+ 1.7	76	6	62	33	30	46	25	49	45	75	4.36	0.0	7	8,521	sw.	30	sw.	28	9	10	12	7.8	0.6
Nantucket	12	43	85	30.04	30.05	.00	54.4	+ 1.8	68	19	59	38	30	50	16	51	48	79	4.25	+ 0.3	7	11,300	sw.	48	ne.	12	10	12	9	5.7	
Block Island	31	11	60	30.04	30.07	+ .02	55.4	+ 1.8	72	2	61	38	30	50	19	51	47	74	4.70	+ 0.3	7	14,122	nw.	52	ne.	12	13	10	8	5.7	
New Haven	106	117	140	29.94	30.05	− .01	53.7	+ 1.3	74	2	62	31	30	45	26	49	46	78	6.41	+ 2.4	7	6,075	n.	57	ne.	12	14	8	9	4.2	
Mid. Atlantic States.							57.7	+ 1.9										77	5.29	+ 2.0										4.3	T.
Albany	97	102	115	29.95	30.06	.00	51.2	+ 0.6	72	13	60	30	22	43	25	47	44	79	2.80	− 0.4	12	6,152	s.	33	s.	30	8	10	13	4.6	
Binghamton	875	79	90	29.11	30.06	.00	49.6	+ 1.5	74	19	58	24	22	41	33	....	....	....	3.08	+ 0.2	11	4,675	nw.	26	s.	26	5	9	17	6.4	T.
New York	314	108	350	29.73	30.06	.00	56.9	+ 1.9	73	9	63	35	30	50	23	51	47	75	6.66	+ 3.2	8	10,896	nw.	52	nw.	29	14	5	12	6.8	T.
Harrisburg	374	94	104	29.69	30.09	+ .01	55.1	+ 2.6	74	9	63	34	30	47	27	49	44	73	5.81	+ 2.8	9	4,966	e.	34	nw.	29	13	8	10	5.1	
Philadelphia	117	168	184	29.96	30.09	+ .02	58.0	+ 2.2	77	13	66	38	30	50	26	51	46	72	6.66	+ 3.8	8	8,048	nw.	38	ne.	12	16	6	9	5.1	T.
Scranton	805	111	119	29.21	30.08	+ .01	51.5	.....	74	19	60	26	22	43	32	47	43	76	4.94	.....	11	5,330	sw.	30	sw.	13	10	7	14	4.4	T.
Atlantic City	52	39	48	30.02	30.07	.00	58.8	+ 2.5	77	9	66	33	30	52	22	55	52	82	5.37	+ 2.1	8	6,785	nw.	34	s.	5	14	9	8	6.0	T.
Cape May	17	47	51	30.08	30.10	+ .03	59.8	+ 0.9	75	9	66	36	30	54	20	56	....	....	3.82	+ 0.2	8	6,775	nw.	31	nw.	28	16	7	8	4.5	
Baltimore	123	69	117	29.94	30.07	− .01	58.6	+ 1.7	80	25	67	34	30	50	27	53	50	78	6.85	+ 3.9	7	5,197	nw.	26	nw.	14	13	10	8	4.1	T.
Washington	112	59	76	29.96	30.09	+ .01	57.6	+ 1.4	80	25	67	30	30	48	32	52	49	80	6.76	+ 3.7	7	4,458	nw.	30	nw.	1	18	7	6	4.2	
Cape Henry	.....	5	58	30.05	30.07	.00	64.1	+ 2.3	79	25	70	46	31	58	23	....	....	....	2.91	− 0.9	9	9,843	sw.	50	nw.	28	18	6	7	3.8	
Lynchburg	681	83	88	29.34	30.09	.00	59.0	+ 1.9	84	25	70	31	30	48	41	52	49	80	9.86	+ 6.6	7	2,375	ne.	23	nw.	1	21	5	5	3.8	
Norfolk	91	102	111	29.99	30.09	+ .02	64.2	+ 3.6	81	25	72	44	30	56	28	58	55	79	2.86	− 1.0	9	6,204	s.	33	nw.	28	18	6	7	3.5	
Richmond	144	82	90	29.94	30.09	+ .01	61.6	.....	81	25	72	35	30	52	32	....	....	....	4.81	.....	8	3,248	n.	21	sw.	13	20	2	9	3.5	
S. Atlantic States.							66.6	+ 2.6										77	4.11	+ 0.2										3.6	
Asheville	2,255	73	100	27.78	30.13	+ .04	56.2	.....	78	2	68	28	30	44	39	50	47	80	1.43	.....	8	5,116	se.	36	e.	11	22	3	6	4.2	
Charlotte	773	68	76	29.26	30.09	+ .01	62.4	+ 2.1	82	3	72	38	29	53	30	55	51	73	4.49	+ 0.8	7	4,137	ne.	25	sw.	11	17	5	9	3.5	T.
Hatteras	11	12	47	30.06	30.07	+ .01	67.8	+ 3.3	81	1	73	51	30	63	17	63	60	82	4.85	− 1.3	9	9,195	ne.	47	n.	29	12	12	7	3.8	
Raleigh	376	93	101	29.68	30.08	+ .01	63.0	+ 5.0	82	3	74	38	30	52	33	55	51	72	3.07	− 0.3	7	3,832	sw.	25	sw.	11	18	5	8	4.5	
Wilmington	78	82	90	29.97	30.05	− .01	66.1	+ 2.6	84	1	75	40	30	57	29	60	57	78	3.18	− 0.7	6	5,562	ne.	30	w.	11	14	13	4	3.8	
Charleston	48	14	92	30.01	30.07	+ .01	69.0	+ 2.3	84	1	76	47	29	62	22	63	60	78	3.37	− 0.8	8	8,883	ne.	43	se.	27	10	15	6	3.5	
Columbia	351	114	122	29.70	30.09	+ .02	65.1	+ 1.5	84	3	75	40	29	55	31	57	53	72	4.39	+ 2.0	7	5,459	ne.	41	sw.	11	14	9	8	4.7	
Augusta	180	89	97	29.88	30.07	.00	65.3	+ 1.6	85	3	76	40	29	55	36	58	54	76	2.99	+ 0.5	6	4,244	nw.	28	sw.	11	19	5	7	4.5	
Savannah	65	79	89	29.98	30.05	.00	68.8	+ 2.4	86	4	77	44	29	61	24	63	60	81	4.72	+ 1.1	10	5,953	ne.	32	w.	11	11	15	5	3.5	
Jacksonville	43	101	129	29.96	30.01	− .01	71.9	+ 2.2	87	2	79	47	29	65	21	66	64	81	5.90	+ 0.7	11	7,815	n.	36	sw.	11	7	14	10	4.6	
Florida Peninsula.							76.6	+ 2.9										80	7.82	+ 1.6										5.8	
Jupiter	28	10	30	29.93	29.96	.00	79.1	+ 3.7	94	1	85	61	29	73	17	74	72	82	13.74	+ 4.1	17	6,585	ne.	32	ne.	31	6	19	6	5.4	
Key West	22	43	50	29.93	29.95	+ .01	80.8	+ 2.3	90	3	85	70	23	76	17	74	72	75	6.36	+ 1.1	13	5,747	ne.	28	nw.	28	11	17	3	5.6	
Tampa	34	60	67	29.94	29.98	.00	75.8	+ 2.7	92	3	83	50	29	69	25	70	68	82	3.37	− 0.4	9	4,932	ne.	30	se.	9	7	11	13	4.5	
East Gulf States.							67.2	+ 0.4										74	3.75	+ 0.9										6.0	
Atlanta	1,174	190	216	28.85	30.09	+ .02	62.6	+ 0.4	81	3	71	37	29	54	27	55	50	69	2.11	− 0.2	6	8,889	nw.	40	nw.	28	16	7	8	4.4	
Macon	370	93	99	29.67	30.07	+ .01	64.3	.....	85	3	74	38	30	54	34	....	....	....	2.97	.....	7	5,008	ne.	30	se.	10	16	3	12	4.1	
Pensacola	56	79	96	29.98	30.04	+ .01	69.0	− 0.2	85	3	76	49	29	62	25	....	....	....	2.69	− 0.6	11	7,351	ne.	29	nw.	28	13	9	9	4.3	
Mobile	57	88	96	29.99	30.05	+ .01	67.2	− 0.2	85	13	76	44	29	58	29	61	58	78	4.50	+ 1.1	7	4,966	n.	24	nw.	27	16	8	7	5.1	
Montgomery	223	100	112	29.82	30.05	− .01	65.3	+ 0.1	88	3	75	39	30	55	32	58	54	74	3.24	+ 0.9	8	4,721	e.	25	e.	10	15	9	7	4.0	
Meridian	375	84	93	29.67	30.07	+ .01	63.6	+ 1.4	85	3	74	35	29	53	34	....	....	....	4.28	+ 2.6	6	3,475	e.	32	w.	3	17	9	5	3.9	
Vicksburg	247	62	74	29.77	30.03	− .03	66.4	+ 1.1	84	26	76	44	29	57	27	58	54	73	1.62	− 1.0	3	4,474	e.	41	w.	3	18	6	7	3.7	
New Orleans	51	88	121	29.98	30.04	+ .01	69.6	− 0.2	89	13	77	51	29	62	21	63	59	77	2.42	− 0.8	7	6,703	ne.	42	ne.	10	19	5	7	3.5	
Port Eads	.....	27	....	29.99	30.00	.....	74.0	+ 0.8	90	13	80	59	29	68	19	69	....	....	9.11	+ 5.3	16	.....	ne.	....	.....	....	5	14	12	4.0	
West Gulf States.							68.4	+ 1.3										75	2.56	− 0.3										6.6	
Shreveport	249	77	84	29.79	30.06	+ .01	66.2	+ 0.9	86	26	76	45	29	56	30	58	55	76	3.40	+ 0.3	3	3,911	se.	22	nw.	27	17	9	5	3.3	
Fort Smith	457	79	94	29.56	30.04	− .01	63.7	+ 2.6	83	16	74	42	6	53	35	55	51	73	2.82	0.0	8	5,757	e.	34	w.	4	18	8	5	3.7	
Little Rock	357	93	100	29.69	30.07	+ .01	63.9	+ 1.6	82	25	74	42	29	54	29	56	52	72	2.34	− 0.1	5	4,412	ne.	25	s.	12	16	9	6	3.4	
Corpus Christi	20	48	53	30.00	30.02	+ .02	74.8	+ 2.3	89	13	81	59	6	68	25	68	65	76	1.93	− 0.3	5	6,753	e.	31	e.	19	17	13	1	3.8	
Fort Worth	670	106	114	29.32	30.03	.00	67.2	.....	89	26	78	44	5	56	36	....	....	....	1.40	.....	3	7,504	s.	37	sw.	12	23	6	2	3.3	
Galveston	54	106	112	29.95	30.00	− .03	72.4	+ 0.1	85	2	76	59	5	68	15	67	64	78	1.48	− 2.8	7	7,612	ne.	31	se.	2	17	12	2	2.1	
Palestine	510	73	79	29.52	30.05	+ .02	67.2	+ 0.7	83	13	77	45	5	57	29	60	56	76	3.42	+ 0.2	4	4,255	ne.	24	ne.	19	17	10	4	3.4	
San Antonio	701	80	91	29.29	30.01	.00	70.6	+ 0.9	87	26	82	51	5	60	34	62	58	72	2.54	+ 0.9	4	4,233	se.	24	s.	2	15	13	3	3.7	
Taylor	583	55	63	29.41	30.03	+ .01	68.6	.....	89	13	80	46	5	57	33	....	....	....	1.78	.....	5	4,878	n.	25	nw.	3	17	11	3	3.2	
Ohio Val. and Tenn.							59.5	+ 2.5										75	2.09	− 0.5										3.0	
Chattanooga	762	106	112	29.31	30.12	+ .03	61.4	+ 0.9	82	3	72	35	30	51	34	54	50	75	2.47	− 0.2	6	3,946	nw.	32	nw.	28	15	11	5	4.5	
Knoxville	1,004	10	88	29.05	30.11	+ .02	59.9	+ 2.3	82	3	72	30	29	48	34	53	50	84	0.99	− 1.8	3	3,750	sw.	36	nw.	28	17	5	9	4.1	
Memphis	397	140	154	29.66	30.10	+ .03	64.0	+ 2.4	83	26	73	42	29	56	25	57	53	74	3.23	+ 0.4	3	6,631	ne.	32	w.	13	13	14	4	3.9	
Nashville	546	122	131	29.52	30.11	+ .03	61.6	+ 2.0	83	3	73	34	15	50	34	53	49	70	1.83	− 0.6	2	3,985	s.	25	sw.	3	18	8	5	4.0	
Lexington	989	75	102	29.02	30.09	+ .01	59.0	+ 3.7	80	25	69	34	15	50	31	....	....	....	2.11	− 0.1	6	7,029	sw.	30	w.	28	15	7	9	3.3	
Louisville	525	114	136	29.51	30.10	+ .02	60.6	+ 2.9	84	25	71	37	15	50	33	52	48	72	1.15	− 1.7	10	5,291	s.	28	nw.	16	16	5	10	4.1	
Evansville	431	72	82	29.59	30.06	− .02	61.0	.....	80	25	70	36	29	52	30	....	....	....	2.65	.....	5	5,004	s.	30	s.	13	14	10	7	4.4	
Indianapolis	822	154	164	29.18	30.07	.00	57.4	+ 3.0	77	25	66	35	14	48	28	50	46	73	2.36	− 0.4	4	7,468	s.	48	se.	12	9	17	5	4.4	
Cincinnati	628	152	157	29.41	30.09	+ .01	58.6	+ 2.2	81	25	68	37	29	49	31	51	47	73	2.77	+ 0.3	9	4,713	sw.	36	sw.	13	15	9	7	4.7	
Columbus	824	87	100	29.20	30.07	− .01	56.2	+ 2.5	78	26	66	35	15	47	32	49	45	75	1.85	− 0.8	7	7,866	sw.	44	w.	13	10	12	9	4.5	
Pittsburg	842	116	123	29.17	30.07	− .01	57.6	+ 2.9	76	24	66	37	30	49	31	50	46	72	2.79	+ 0.4	10	4,416	nw.	26	w.	13	10	14	7	5.4	
Parkersburg	638	77	84	29.42	30.11	+ .03	57.8	+ 2.7	79	25	68	32	15	48	34	51	47	77	1.43	− 0.7	8	3,891	s.	26	sw.	13	11	8	12	5.0	T.
Elkins	1,940	41	50	28.05	30.11	+ .01	53.0	.....	76	5	66	23	30	40	45	46	43	83	2.76	.....	10	2,646	w.	20	s.	26	8	16	7	5.4	
Lower Lake Region.							52.2	+ 0.9										77	2.40	− 0.7										5.8	0.2
Buffalo	767	178	206	29.20	30.03	− .02	51.8	+ 1.5	69	26	59	33	29	45	27	47	42	73	3.09	− 0.6	16	11,960	w.	66	sw.	22	4	8	19	6.2	
Oswego	335	76	91	29.66	30.03	− .02	49.6	− 0.4	72	19	57	31	22	42	25	46	41	73	2.24	− 1.0	14	8,548	s.	34	s.	24	2	12	17	7.3	T.
Rochester	523	81	90	29.47	30.05	.00	50.3	+ 0.7	72	24	58	30	30	42	29	46	43	79	2.22	− 0.7	14	6,696	sw.	34	w.	13	4	9	18	7.5	T.
Syracuse	597	97	113	29.39	30.03	− .03	49.8	.....	73	19	58	30	22	42	26	....	....	....	3.28	.....	14	9,664	s.	54	s.	26	2	14	15	7.2	0.1
Erie	713	92	102	29.27	30.04	− .01	52.8	+ 0.6	74	24	60	36	10	46	27	48	45	77	3.88	− 0.2	12	8,555	sw.	37	s.	26	6	15	10	6.9	0.3
Cleveland	762	190	201	29.23	30.05	− .01	53.4	+ 1.2	75	24	61	34	30	46	30	48	44	75	2.41	− 0.5	14	11,406	sw.	48	w.	28	8	11	12	5.8	
Sandusky	629	62	70	29.36	30.05	− .01	54.2	+ 1.0	79	26	62	37	15	47	29	....	....	....	1.80	− 1.0	11	6,326	sw.	30	w.	13	16	8	7	5.8	
Toledo	628	123	127	29.37	30.06	+ .01	53.4	+ 1.3	77	26	62	32	29	45	28	48	44	78	1.98	− 0.5	8	7,696	sw.	35	e.	4	11	9	11	4.1	
Detroit	730	153	193	29.24	30.03	− .02	52.4	+ 1.4	75	26	60	31	29	44	25	47	45	81	1.54	− 1.0	10	8,938	sw.	41	sw.	26	10	10	11	5.4	
Upper Lake Region.							48.5	+ 1.6										76	2.34	− 0.7										5.6	
Alpena	609	63	80	29.35	30.02	− .01	45.7	+ 0.5	71	6	54	25	17	37	35	41	37	77	2.34	− 1.5	12	8,568	nw.	37	w.	24	8	9	14	6.0	
Escanaba	612	43	57	29.34	30.02	+ .01	45.8	+ 1.1	69	8	54	30	21	38	32	41	37	76	2.07	− 1.2	13	7,080	s.	38	n.	13	9	13	9	6.3	0.3
Grand Haven	632	54	92	29.33	30.02	− .01	50.4	+ 0.8	67	23	58	32	17	43	29	47	44	81	3.17	0.0	9	8,700	sw.	39	sw.	15	9	8	14	5.4	T.
Houghton	668	66	74	29.24	29.98	− .02	45.1	.....	66	5	52	27	21	38	28	....	....	....	2.57	.....	12	5,845	nw.	34	w.	26	7	7	17	5.8	
Marquette	734	79	116	29.20	30.02	+ .01	46.7	+ 1.6	70	10	53	32	21	40	32	40	35	69	1.97	− 1.3	19	9,377	nw.	38	sw.	26	5	7	19	6.8	0.5
Port Huron	638	70	120	29.36	30.05	+ .01	50.1	+ 1.2	75	26	59	31	29	41	32	45	42	80	2.57	− 0.2	9	9,109	sw.	40	w.	13	12	3	16	7.1	0.1
Sault Ste. Marie	614	40	61	29.31	30.00	− .01	42.8	+ 0.1	63	6	50	26	29	36	27	39	35	77	4.42	+ 0.9	15	7,293	nw.	43	w.	24	8	6	17	5.7	T.
Chicago	823	241	274	29.15	30.04	.00	55.2	+ 3.2	76	24	62	35	14	49	23	50	45	75	1.45	− 1.5	7	13,148	w.	58	s.	12	14	10	7	6.7	T.
Milwaukee	681	124	142	29.29	30.04	+ .01	53.2	+ 4.0	75	8	60	33	14	46	28	48	44	78	1.81	− 0.5	7	9,155	w.	34	e.	4	9	11	11	4.4	
Green Bay	617	49	57	29.35	30.02	.00	48.6	+ 1.7	73	8	58	26	29	40	34	43	39	76	1.56	− 1.2	7	8,363	nw.	42	w.	26	4	11	16	5.5	
Duluth	702	95	116	29.22	30.00	.00	46.5	+ 1.6	72	5	53	30	14	40	25	40	35	70	2.03	− 0.6	10	7,567	ne.	37	ne.	25	9	11	11	6.7	
North Dakota.							44.4	+ 1.0										72	2.09	+ 0.8										5.3	T.
Moorhead	935	54	60	28.99	30.02	+ .02	44.9	+ 1.8	76	5	56	26	9	34	44	39	35	77	4.74	+ 2.8	8	6,431	se.	36	se.	25	13	4	14	4.7	
Bismarck	1,674	16	29	28.28	30.04	+ .05	45.0	+ 1.2	79	5	58	23	28	32	45	38	34	74	1.21	+ 0.2	4	5,521	nw.	36	nw.	29	18	6	7	5.5	
Williston	1,875	14	34	27.99	30.00	− .03	43.3	+ 0.1	78	4	57	22	2	30	47	36	29	66	0.32	− 0.7	5	5,319	s.	36	nw.	29	13	10	8	4.3	0.
																														4.4	T

TABLE I.—*Climatological data for Weather Bureau Stations, October, 1902*—Continued.

Stations.	Elevation of instruments.			Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.											Precipitation, in inches.			Wind.									
	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.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	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.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.
Upper Miss. Valley.							56.0	+ 3.3										73	2.10	— 0.3										4.4	
Minneapolis	.....	99	208	.....	.....	.....	49.6	+ 1.7	74	8	59	30	14	41	30	.....	.....	.....	1.40	— 0.4	11	8,697	se.	58	nw.	30	11	7	13	.....	T.
St. Paul	837	102	122	29.09	30.00	— .01	50.0	+ 2.9	74	8	59	32	14	42	31	43	38	72	1.33	— 0.6	11	5,170	se.	32	nw.	30	13	8	10	4.8	T.
La Crosse	714	71	87	29.26	30.03	+ .01	51.9	+ 2.4	74	10	62	32	14	42	31	.....	.....	.....	1.35	— 0.9	4	5,641	s.	28	nw.	26	9	14	8	5.2	
Davenport	606	71	79	29.36	30.00	— .04	55.8	+ 3.7	78	25	65	33	14	46	29	49	44	74	2.81	+ 0.2	7	5,525	w.	30	s.	18	13	11	7	4.3	
Des Moines	861	84	88	29.10	30.03	.00	55.4	+ 3.2	77	22	65	31	14	45	30	49	45	75	3.70	+ 0.7	8	6,204	sw.	42	sw.	25	11	12	8	4.9	
Dubuque	698	100	117	29.27	30.03	— .01	53.5	+ 2.9	77	22	63	30	14	44	32	46	42	71	2.26	— 0.4	7	4,896	se.	24	w.	27	10	8	13	6.1	
Keokuk	614	63	78	29.35	30.00	— .05	58.0	+ 3.9	80	25	68	32	14	48	31	51	48	79	2.38	— 0.4	8	5,396	sw.	30	w.	12	22	2	7	3.0	
Cairo	356	87	93	29.70	30.07	.00	62.4	+ 3.7	80	19	72	39	29	53	29	54	50	72	0.79	— 2.0	4	4,678	s.	28	s.	12	13	12	6	4.2	
Springfield, Ill	644	82	93	29.35	30.04	— .01	58.0	+ 3.0	78	22	68	34	14	48	30	50	46	72	2.15	— 0.6	9	6,471	sw.	37	se.	12	15	7	9	4.0	
Hannibal	534	75	110	29.45	30.03	— .02	58.7	+ 3.7	82	25	70	30	14	48	32	.....	.....	.....	2.94	+ 1.5	7	6,627	sw.	32	nw.	27	14	12	5	4.2	
St. Louis	567	111	210	29.43	30.03	— .03	62.2	+ 4.7	82	24	71	38	14	53	32	53	48	68	2.00	— 0.9	7	5,819	s.	29	w.	13	17	8	6	3.7	
Missouri Valley.							55.8	+ 3.2										68	1.70	— 0.2										3.7	
Columbia	784	11	84	29.18	30.01	— .04	59.5	+ 1.9	82	25	71	28	14	48	37	.....	.....	.....	2.52	+ 0.4	8	5,790	s.	25	nw.	12	19	6	6	3.5	
Kansas City	963	78	95	29.00	30.04	.00	61.0	+ 5.3	82	23	70	36	28	52	32	52	47	68	2.49	— 0.9	5	6,419	s.	27	s.	23	21	6	4	2.6	
Springfield, Mo	1,324	98	104	28.64	30.05	.00	60.2	+ 4.2	80	16	70	35	28	50	32	52	48	73	3.04	0.0	8	7,668	se.	36	sw.	12	22	5	4	2.7	
Topeka	.....	81	89	.....	.....	.....	59.6	+ 3.6	82	23	71	32	28	48	34	.....	.....	.....	2.26	+ 0.3	5	6,805	s.	30	s.	25	16	11	4	3.4	
Lincoln	1,189	75	84	28.72	29.98	— .05	57.2	+ 3.1	83	23	68	29	28	46	38	49	44	71	2.81	+ 0.8	5	7,367	s.	36	nw.	25	22	4	5	3.1	
Omaha	1,105	115	121	28.81	30.00	— .03	57.6	+ 4.7	82	22	67	32	28	48	30	49	43	66	2.13	— 0.3	4	5,818	sw.	30	n.	6	14	8	9	4.6	
Valentine	2,598	47	54	27.26	29.99	— .02	50.2	+ 1.0	84	21	67	20	28	34	54	40	33	64	0.39	— 0.5	5	6,469	w.	35	s.	30	20	7	4	3.2	
Sioux City	1,135	96	164	28.78	30.00	— .02	54.5	+ 3.5	80	23	65	27	28	44	44	.....	.....	.....	0.63	— 1.1	4	8,067	nw.	38	nw.	27	11	12	8	5.0	
Pierre	1,572	43	50	28.33	30.00	— .01	51.2	+ 1.8	82	5	66	25	28	37	47	41	35	65	0.50	— 0.2	2	4,195	nw.	30	s.	30	19	6	6	3.6	
Huron	1,306	56	67	28.60	30.02	+ .01	48.9	+ 2.4	81	5	64	20	28	34	52	41	34	68	0.76	— 0.5	6	6,797	nw.	28	s.	30	16	10	5	4.1	
Yankton	1,233	42	49	28.68	30.00	— .01	53.8	+ 4.1	81	21	67	25	28	40	48	.....	.....	.....	1.17	— 0.3	4	4,438	w.	27	nw.	27	15	8	8	4.5	T.
Northern Slope.							49.5	+ 3.4										65	0.53	— 0.3										3.9	
Havre	2,505	46	53	27.35	30.00	+ .02	47.6	+ 3.6	80	4	62	17	27	34	50	41	36	73	0.24	— 0.4	4	5,301	w.	44	sw.	28	16	12	3	3.9	
Miles City	2,371	42	50	27.47	30.00	.00	50.0	+ 3.9	80	7	64	24	26	36	46	44	41	80	0.10	— 0.8	2	3,094	nw.	30	sw.	29	19	10	2	3.4	
Helena	4,110	88	94	25.83	30.04	+ .01	49.4	+ 4.2	75	5	59	28	25	39	33	39	29	50	0.21	— 0.6	3	4,873	sw.	30	sw.	15	7	12	12	5.9	T.
Kalispell	2,965	45	51	26.96	30.03	+ .02	46.2	.....	71	7	58	27	23	34	36	40	35	73	0.16	.....	2	3,424	w.	24	sw.	28	11	13	7	4.4	
Rapid City	3,234	46	50	26.62	30.00	— .01	51.0	+ 2.0	78	7	64	24	13	38	42	41	32	56	0.21	— 0.4	2	5,316	w.	30	nw.	18	25	3	3	2.0	T.
Cheyenne	6,088	56	64	24.06	30.04	+ .03	47.8	+ 2.9	77	8	61	26	3	35	39	37	28	53	0.52	— 0.2	4	6,232	nw.	30	w.	25	11	10	10	4.6	T.
Lander	5,372	26	36	24.69	30.09	+ .05	46.2	+ 2.7	75	7	62	21	30	30	46	36	29	62	1.10	+ 0.1	3	1,947	sw.	24	sw.	23	14	16	1	3.2	
North Platte	2,821	43	52	27.10	30.02	.00	54.3	+ 4.5	84	8	68	29	28	41	43	45	41	72	1.32	+ 0.3	6	4,540	w.	24	nw.	25	17	10	4	4.0	
Middle Slope.							58.2	+ 2.9										65	1.76	+ 0.2										3.6	
Denver	5,291	79	151	24.78	30.04	+ .03	53.0	+ 2.5	81	8	66	31	28	40	43	41	30	51	0.80	— 0.1	6	5,215	s.	36	nw.	25	16	10	5	4.2	T.
Pueblo	4,685	80	86	25.32	30.00	+ .01	53.4	+ 1.2	84	8	69	29	28	38	48	41	31	49	0.44	— 0.3	3	4,293	nw.	42	nw.	25	15	14	2	3.9	
Concordia	1,398	42	47	28.53	30.02	— .01	58.8	+ 4.3	83	*	70	28	28	47	35	51	48	79	3.25	+ 1.1	5	5,427	s.	24	s.	25	15	11	5	3.8	
Dodge	2,509	44	54	27.40	30.00	— .02	59.7	+ 4.6	89	24	74	31	28	45	42	48	44	70	2.26	+ 1.0	3	7,732	s.	40	s.	22	18	11	2	3.4	
Wichita	1,358	78	85	28.60	30.03	.00	61.2	+ 3.6	83	24	73	33	28	50	34	52	48	71	2.02	— 0.4	4	6,634	s.	29	nw.	3	22	3	6	2.9	
Oklahoma	1,214	79	86	28.74	30.02	— .01	63.0	+ 1.0	84	12	74	39	5	52	31	54	50	71	1.90	— 0.2	3	8,777	s.	36	s.	29	20	6	5	3.1	
Southern Slope.							63.4	+ 3.0										62	1.87	— 0.1										2.6	
Abilene	1,738	45	54	28.21	30.00	— .01	66.6	+ 2.1	87	18	78	43	4	56	36	56	51	67	2.00	— 0.3	5	6,224	se.	26	se.	30	23	4	4	2.3	
Amarillo	3,676	43	52	26.27	29.97	— .03	60.2	+ 4.0	86	24	74	34	4	47	36	47	39	58	1.74	+ 0.1	3	9,537	s.	34	nw.	30	23	4	4	2.8	
Southern Plateau.							62.1	+ 1.7										37	0.16	— 0.5										2.0	
El Paso	3,762	10	110	26.20	29.93	+ .01	65.7	+ 2.7	88	17	81	42	6	50	41	50	38	46	0.31	— 0.6	2	5,356	e.	38	sw.	29	25	5	1	1.6	
Santa Fe	7,013	47	50	23.33	30.01	+ .05	51.8	+ 2.0	71	9	63	33	4	40	30	38	25	43	0.59	— 0.4	4	3,715	se.	24	e.	1	25	4	2	2.2	T
Flagstaff	6,907	12	25	23.40	29.98	+ .06	46.8	— 1.7	74	15	64	21	27	30	48	36	.....	.....	0.00	— 1.1	0	.....	sw.	.....	.....	.....	20	10	1	2.7	
Phoenix	1,108	50	56	28.74	29.88	.00	74.0	+ 4.2	98	7	90	49	27	58	41	54	38	32	T.	— 0.4	0	2,646	e.	15	se.	29	22	9	0	2.0	
Yuma	141	16	50	29.70	29.85	— .02	74.2	+ 1.4	97	15	90	52	27	58	39	57	43	40	0.00	— 0.3	0	3,417	e.	22	n.	18	26	5	0	1.0	
Independence	3,910	51	58	25.97	29.93	— .02	60.2	+ 1.5	80	16	72	38	25	48	30	44	22	26	0.08	— 0.2	1	4,765	nw.	36	se.	23	23	6	2	2.3	
Middle Plateau.							52.2	+ 1.6										43	0.33	— 0.6										3.0	
Carson City	4,720	82	92	25.28	29.97	— .02	56.0	+ 0.4	77	6	66	24	18	34	43	40	31	53	0.35	— 0.1	3	3,922	nw.	38	s.	23	19	4	8	3.2	
Winnemucca	4,344	59	70	25.63	30.01	— .04	48.6	+ 0.4	78	6	65	20	30	32	45	39	30	51	0.02	— 0.4	2	5,157	ne.	29	w.	21	20	5	6	2.9	
Modena	5,479	10	38	24.64	29.99	+ .03	50.0	.....	76	8	67	22	25	33	47	36	18	34	0.04	.....	1	7,115	w.	36	s.	21	22	5	4	2.5	
Salt Lake City	4,366	105	110	25.65	30.00	— .01	55.2	+ 2.9	81	7	66	36	2	44	33	43	29	40	0.52	— 1.0	4	4,287	se.	32	s.	24	21	5	5	3.0	
Grand Junction	4,608	43	51	25.42	30.04	+ .05	55.0	+ 2.5	78	8	69	32	3	41	40	40	26	38	0.43	— 0.7	2	3,615	se.	27	sw.	24	16	10	5	3.4	
Northern Plateau.							52.9	+ 2.8										60	0.56	— 0.7										4.3	
Baker City	3,471	53	58	26.47	30.06	— .02	49.4	+ 1.3	78	5	62	27	29	37	42	40	31	56	0.90	— 0.2	8	4,192	se.	18	se.	27	9	7	15	5.6	
Boise	2,739	61	68	27.19	30.05	— .01	54.3	+ 4.9	83	6	68	33	30	41	43	44	34	53	0.69	— 0.3	3	2,312	nw.	19	sw.	24	18	10	3	3.2	
Lewiston	757	52	61	29.22	30.04	— .03	55.0	+ 2.2	82	6	67	36	23	43	41	.....	.....	.....	0.54	— 0.7	5	1,569	s.	23	nw.	7	14	12	5	4.0	
Pocatello	4,482	46	54	25.52	30.05	+ .01	50.8	+ 2.8	78	7	64	21	30	38	43	39	27	45	0.14	— 0.9	4	4,938	se.	24	s.	22	16	14	1	3.1	
Spokane	1,943	101	110	27.99	30.05	— .01	51.3	+ 3.3	76	6	63	31	29	40	38	45	40	70	0.19	— 1.4	2	3,012	ne.	26	sw.	28	8	8	15	6.1	
Walla Walla	1,000	65	73	28.95	30.03	— .04	56.6	+ 2.6	80	5	67	37	24	46	35	52	48	76	0.93	— 0.6	5	2,956	s.	20	w.	30	13	18	0	3.8	
N. Pac. Coast Reg.							53.9	+ 2.1										82	2.92	— 2.0										6.1	
Neah Bay	50	7	50	29.92	29.97	— .04	51.2	+ 0.8	62	3	55	43	19	48	13	50	49	92	7.02	— 3.3	14	5,806	e.	30	sw.	28	11	3	17	6.2	
North Head	211	11	56	29.77	29.99	— .06	55.3	+ 1.9	79	2	59	46	31	51	20	53	51	90	2.53	— 2.9	13	10,386	se.	51	se.	27	7	5	19	7.1	
Port Crescent	259	13	20	29.72	29.97	— .05	49.9	+ 2.3	71	5	58	33	24	42	33	.....	.....	.....	1.90	— 1.7	11	2,403	e.	16	w.	28	10	5	16	5.8	
Seattle	123	114	151	29.90	30.03	— .02	54.3	+ 2.7	78	3	60	42	23	48	31	51	49	84	2.71	— 0.3	15	3,799	se.	26	s.	28	7	10	14	6.1	
Tacoma	213	113	120	29.80	30.03	— .01	53.0	+ 2.4	79	3	60	39	23	46	35	.....	.....	.....	2.88	— 1.1	12	2,628	sw.	19	sw.	31	3	6	22	7.9	
Astoria	20	57	64	.....	.....	.....	55.6	+ 1.4	76	2	62	42	19	49	24	.....	.....	.....	3.50	— 2.6	14	.....	sw.	.....	.....	.....	10	9	12	5.8	
Portland, Oreg	154	68	96	29.84	29.99	— .07	56.6	+ 3.2	82	3	65	42	29	48	33	52	49	79	1.72	— 2.3	12	3,425	nw.	25	ne.	2	9	6	16	6.2	
Roseburg	518	56	67	29.43	29.99	— .09	55.1	+ 2.4	85	2	65	38	1	45	45	50	46	77	1.06	— 1.7	8	1,507	w.	14	se.	22	14	11	6	4.0	
Mid. Pac. Coast Reg.							59.2	+ 0.9										72	2.57	+ 0.8										4.5	
Eureka	62	62	80	29.94	30.00	— .06	55.7	+ 2.5	77	1	61	45	11	50	29	52	49	82	2.34	— 0.6	12	4,118	s.	29	se.	22	6	12	13	6.4	
Mount Tamalpais	2,375	11	18	27.53	30.00	— .01	56.2	.....	78	9	62	44	31	51	20	49	43	70	2.61	.....	8	11,062	sw.	56	sw.	23	16	6	9	4.1	
Red Bluff	332	50	56	29.62	29.98	— .05	63.0	— 0.5	89	2	74	47	19	52	32	53	45	58	3.44	+ 2.1	6	3,834	se.	27	n.	1	21	3	7	3.3	
Sacramento	69	106	117	29.89	29.96	— .03	61.8	0.0	85	10	72	46	31	51	34	54	48	67	1.67	+ 0.8	4	5,227	se.	33	sw.	23	17	8	6	3.2	
San Francisco	155	161	167	29.85	30.02	+ .01	59.3	0.0	77	1	65	49	2	54	26	55	53	84	1.70	+ 0.5	6	6,359	w.	31	w.	2	16	8	7	4.2	
Point Reyes Light	490	7	30	29.44	29.95	.....	56.4	+ 2.3	70	1	61	48	2	52	20	.....	.....	.....	3.68	+ 1.4	8	13,519	nw.	65	se.	22	10	8	13	5.7	
S. Pac. Coast Reg.							63.0	— 0.5										74	0.72	+ 0.1										3.6	
Fresno	330	67	70	29.60	29.96	.00	64.3	— 0.6	88	2	78	44	20	51	35	55	47	61	0.42	— 0.1	2	3,207	w.	15	w.	28	21	6	4	2.5	
Los Angeles	338	116	123	29.61	29.98	+ .03	63.2	— 0.5	79	15	73	47	16	53	31	57	54	81	0.40	— 0.3	2	2,976	w.	19	w.	21	11	14	6	4.5	
San Diego	87	94	102	29.86	29.95	.00	62.6	— 0.6	71	22	68	52	28	57	17	58	56	82	0.06	— 0.3	1	3,908	nw.	19	s.	24	21	6	4	3.6	
San Luis Obispo	201	46	48	29.80	30.02	+ .03	61.8	— 0.2	84	8	72	44	6	52	33	54	50	73	2.00	+ 1.0	4	3,333	w.	18	s.	23	17	8	6	4.0	
West Indies.																															
Basseterre	29	41	54	29.91	29.93	+ .03	80.4	.....	87	13	86	72	10	75	14	75	72	76	2.46	.....	15	4,789	e.	26	se.	10	13	17	1	4.3	
Bridgetown	30	57	65	29.89	29.91	+ .03	80.2	+ 1.8	88	1	86	71	31	74	15	75	73	78	4.01	— 3.6	16	4,918	e.	25	se.	10	12	8	11	5.3	
Cienfuegos	52	62	67	29.87	29.93	+ .05	79.5	.....	94	2	87	64	30	72	21	73	72	83	6.48	.....	15	4,329	e.	25	ne.	30	14	14	3	4.4	
Grand Turk	11	6	20	29.93	29.94	.....	82.6	.....	93	3	90	67	26	75	20	.....	.....	.....	3.93	.....	12	.....	se.	.....	.....	.....	14	14	3	4.5	
Havana	57	87	105	29.88	29.93	+ .03	79.8	+ 1.7	90	9	86	70	31	74	16	74	72	82	3.06	— 4.4	14	6,569	e.	39	ne.	31	7	18	6	5.5	
Kingston	286	38	52	29.61	29.90	+ .05	79.0	.....	92	8	87	68	3	71	20	72	70	80	2.07	.....	11	4,324	ne.	26	se.	21	5	19	7	5.6	
Port of Spain	40	65	66	29.87	29.91	+ .06	79.4	.....	91	6	87	70	*	72	19	.....	.....	.....	8.23	.....	18	.....	e.	.....	.....	.....	.....	.....	.....	.....	
Puerto Principe	352	55	62	29.59	29.95	+ .07	79.5	.....	92	17	90	65	8	69	26	73	72	87	7.21	.....	11	3,556	ne.	27	ne.	8	12	13	6	4.6	
San Juan	82	48	90	29.85	29.94	+ .04	79.8	.....	89	4	86	72	31	74	15	74	73	81	3.13	— 3.0	13	4,901	s.	28	se.	25	15	10	6	4.1	
Santiago de Cuba	82	46	52	29.83	29.91	+ .03	79.6	.....	92	16	88	67	22	71	22	74	72	83	3.58	.....	11	3,473	s.	25	n.	29	4	17	10	5.8	
Santo Domingo	57	37	44	29.87	29.94	+ .05	77.8	.....	89	14	85	68	2	70	18	74	73	86	2.64	.....	11	3,533	n.	19	se.	6	12	15	4	4.7	
Willemstad	75	39	46	29.78	29.86	+ .04	82.0	.....	88	23	87	72	6	78	12	76	74	78	0.21	.....	5	7,787	e.	23	n.	6	9	18	4	5.2	

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, October, 1902.*

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Alabama.	°	°	°	*Ins.*	*Ins.*
Ashville	84	31	61.1	4.28	
Benton				3.28	
Bermuda	90[1]	35[1]	64.4[1]	1.42	
Birmingham	88	36	65.1	4.60	
Bridgeport				3.43	
Burkeville				3.45	
Calera				3.47	
Camphill	85[f]	35[f]	61.6[f]	2.33	
Citronelle	87	40	67.4	6.53	
Clanton	83	30	60.4	5.13	
Cordova	85[e]	27[e]	65.7[e]	2.50	
Daphne	90[d]	39[b]	66.8[d]	4.53	
Decatur	88	37	63.9	3.07	
Demopolis				5.03	
Dothan	89	40	67.0	3.34	
Eufaula	87	36	65.0	4.92	
Evergreen	88	37	65.4	2.30	
Flomaton	88	35	65.2	3.20	
Florence *a*				2.13	
Florence *b*	84	30	63.2	2.05	
Fort Deposit	89	39	63.7	3.90	
Gadsden	88	31	63.3	3.34	
Goodwater	86	32	62.8	2.53	
Greensboro	89	38	64.4	5.90	
Hamilton	84[a]	26[d]	60.4[d]	1.65	
Helena				3.33	
Highland Home	88	40	66.0	2.42	
Letohatchie				3.88	
Livingston *a*	90	29	64.5	3.50	
Lock No. 4	87	33	62.6	3.25	
Madison Station	85	30	63.2	3.70	
Maplegrove	88	28	60.4	3.98	
Marion	85	36	63.0	5.31	
Newbern	91	34	65.6	6.10	
Newburg	85	28	61.2	2.44	
Notasulga				4.74	
Oneonto	84	28	60.7	2.56	
Opelika	83	37	62.6	8.18	
Ozark	89	39	65.7	3.23	
Prattville	87	31	63.4	3.24	
Pushmataha	95	33	63.6	4.10	
Riverton	84	30	61.1	1.39	
Scottsboro	83	32	59.2	3.68	
Selma	89	36	64.0	5.73	
Talladega	84	31	63.0	2.10	
Thomasville	90	37	62.9	2.90	
Tuscaloosa	89	34	63.0	2.72	
Tuscumbia	84	34	61.2	1.68	
Tuskegee	90	38	67.1	3.73	
Union Springs	84	38	64.2	8.65	
Uniontown	88	36	65.8	1.84	
Valleyhead	85	27	62.4	4.00	
Verbena				5.09	
Wetumpka	89	34	66.6	3.10	
Alaska.					
Juneau	65	31	45.7	6.57	
Killisnoo	57	32	43.6	4.60	
Sitka	59	32	47.2	8.25	
Arizona.					
Allaire Ranch				0.40	
Arizona Canal Co's Dam	95	55	75.4	0.00	
Aztec	101	58	83.7	0.00	
Benson *[1]	88	47	69.6	T.	
Bisbee	83[d]	47[d]	64.8[d]	0.30	
Buckeye	98	43	69.5	0.00	
Casagrande *[1]	89	60	74.2	0.00	
Champie Camp	103[1]	41[1]	70.9[1]	0.00	
Cochise *	84	50	65.8	0.10	
Congress	88	55	71.7	0.00	
Dragoon Summit *[1]	82	50	64.0	0.70	
Dudleyville	96	39	68.7	0.24	
Duncan	97	28	60.4	0.10	
Fort Apache	83	30	56.2	0.30	
Fort Defiance	76	22	46.5	0.50	
Fort Grant	85	41	63.4	0.90	
Fort Huachuca	87	52	70.6	0.10	
Globe	89	45	65.5	0.20	
Jerome	82	47	65.2	0.00	
Maricopa *[1]	98	60	74.1	0.01	
Mesa	97	45	71.8	0.25	
Mesa (near)	98	44	71.8	0.00	
Mohawk Summit *[1]	99	60	74.8	0.00	
Mount Huachuca	84	43	65.5	0.61	
Natural Bridge				0.00	
Nogales	91	40	66.5	0.21	
Oracle	84	48	67.5	0.13	
Oro				0.04	
Phoenix	99	44	72.1	0.06	
Pima	93	35	65.8	0.05	
Pinal Ranch				0.06	
Prescott	80	26	54.3	0.00	
Sentinel *[1]	97	60	77.6	0.00	
Signal	100	40	69.2	0.00	
Superstition				0.01	
Taylor	85	25	54.2	0.00	
ombstone	88	48	67.6	0.11	
onto	94	39	66.8	0.33	
ucson	95	43	71.0	1.64	
Arizona—Cont'd.					
Vail *[5]	90	63	75.2	0.25	
Walnut Grove				0.05	
Arkansas.					
Alco	84	36	61.4	1.17	
Amity	82	34	60.4	2.23	
Arkadelphia	90	35	64.7	1.56	
Arkansas City				2.55	
Batesville	89	32	63.2	1.32	
Beebranch	86	33	62.8	1.40	
Blanchard	84	35	62.3	5.36	
Brinkley	85	33	62.2	3.84	
Camden *a*				2.75	
Camden *b*	84	38	65.0	2.74	
Conway	85	34	63.8	1.93	
Corning	84	30	60.2	1.59	
Dallas	80	37	62.2	2.65	
Dardanelle				1.87	
De Queen	90	39	64.2	2.70	
Dutton	80	36	59.8	4.88	
Eureka Springs	89	35	62.2	3.76	
Fayetteville	87	34	60.7	4.84	
Forrest City	85	35	62.6	4.71	
Fulton				1.06	
Hardy	84	34	61.6	1.59	
Helena *a*				2.38	
Helena *b*	86	35	63.3	2.03	
Jonesboro	85	30	62.8	2.81	
Lacrosse	85	36	62.0	1.53	
Lake Village	87	37	63.8	2.10	
Lonoke	84	31	61.7	1.95	
Lutherville	87	33	62.8	1.61	
Malvern	88	34	63.0	2.85	
Marianna	82	33	62.1	3.66	
Marvell	87	36	64.1	3.04	
Mountain Home	88	32	61.0	2.29	
Mount Nebo	78	42	61.7	0.88	
New Gascony	88	33	63.6	7.10	
Newport *a*				1.78	
Newport *b*	84	31	60.6	1.90	
Newport *c*	83	30	61.4	1.89	
Oregon	86	32	60.3	2.55	
Ozark	88	41	65.0	2.70	
Perry	81	31	61.2	1.11	
Pinebluff	85	33	62.7	2.99	
Pocahontas	85	29	61.3	2.27	
Pond	84	29	60.5	2.52	
Prescott	89	47	67.8	1.99	
Princeton	87	33	63.1	2.79	
Rison	90[c]	31[c]	63.3[c]	2.89	
Rosadale	85	40	65.0	1.79	
Russellville	84	35	61.6	1.75	
Silversprings	84	34	60.9	2.54	
Spielerville	86	35	63.4	1.43	
Stuttgart	86	33	62.0	4.85	
Texarkana	87	41	64.3	1.46	
Warren	86	34	63.0	5.49	
Washington	81	41	63.2	2.64	
Wiggs	83	31	59.2	2.48	
Winchester	89	32	63.0	1.88	
Winslow	78	37	59.8	4.02	
Witts Springs	80	37	60.8	1.44	
California.					
Angiola	95	37	62.2	0.00	
Azusa	87	47	65.0	0.41	
Bakersfield		40		0.35	
Ballast Point L. H				0.09	
Berkeley	80	47	59.0	2.35	
Bishop	88	28	55.0	0.28	
Bodie	70	— 6	35.2	0.58	6.0
Bowman	72	32	49.8	5.86	
Branscomb				5.88	
Campbell	87	39	58.6	1.35	
Campo				0.03	
Cape Mendocino L. H				3.40	
Cedarville	83	22	49.2	0.31	T.
Chico				2.11	
Cisco *[1]	68	29	42.4	6.70	7.0
Claremont	89	41	61.4	0.37	
Cloverdale	87	40	60.4	6.22	
Colusa	85	44	61.4	1.57	
Corning *[1]	85	48	65.4	2.45	
Coronado	77	55	64.4	0.06	
Crescent City	80	39	54.6	4.29	
Crescent City L. H				4.21	
Cuyamaca	70	25	48.4	1.01	
Delano *[1]	89	57	70.1	0.39	
Delta *[1]	87	32	55.7	4.57	
Dunnigan *[1]	87	45	63.0	2.79	
Durham *[5]	86	45	61.7	1.85	
East Brother L. H				1.40	
Edmanton *[1]	77	34	48.6	4.31	
Elcajon	89	42	63.6	0.20	
Elmdale	93	39	62.4	0.39	
Elsinore	98	42	65.8	0.13	
Escondido	89	37	61.0	0.28	
Fallbrook	84	42	61.0	0.29	
Folsom *[1]	90	48	61.8	1.85	
Fordyce Dam				5.46	16.0
California—Cont'd.					
Fort Bragg				2.90	
Fort Ross	78	50	62.6	8.95	
Foster				0.68	
Georgetown	83	40	58.6	3.77	
Gilroy (near)	93	39	60.9	0.81	
Goshen *[5]	85	45	63.8	0.00	
Grass Valley				4.04	
Greenville	91	20	50.8	3.79	1.0
Hanford	94	39	62.6	0.36	
Healdsburg	93	33	59.4	6.10	
Hollister	90	37	60.0	0.31	
Humboldt L. H				3.45	
Idylwild	80	27	54.0	0.10	
Imperial	98	50	74.2	0.00	
Indio *[1]	98	60	75.8	0.00	
Iowa Hill *[1]	80	43	57.4	3.09	
Irvine	80	50	66.4	0.35	
Jackson	78	45	60.6	2.46	
Jolon				0.60	
Kennedy Gold Mine	79	40	56.4	2.71	
Kent	82	41	59.2	5.94	
Kernville				0.16	
Kono Tayee	78	46	59.6	3.92	
Laguna Valley				0.48	
Lamesa				0.30	
Laporte *[1]	68	35	45.2	6.94	2.0
Las Fuentes Ranch				1.01	
Legrande	90	40	62.5	0.50	
Lemoncove	93	42	67.7	0.51	
Lick Observatory	73	40	53.0	2.05	
Lime Point L. H				2.05	
Livermore	92	41	61.8	0.47	
Lodi	88	40	60.0	0.66	
Los Gatos	86	42	59.5	2.80	
Manzana	88	40	62.8	0.03	
Mare Island L. H				1.91	
Merced	92	38	63.0	T.	
Mercury	86	46	61.6	7.51	
Milo				1.10	
Milton (near)	87	49	63.7	1.11	
Modesto *[1]	90	50	66.3	0.40	
Mohave *[1]	85	42	62.2	T.	
Mokelumne Hill	72	42	56.7	2.22	
Monterio	80	40	61.0	0.10	
Monterey *[1]	80	44	62.4	0.50	
Mount St. Helena				7.02	
Napa	97	40	61.8	4.84	
Needles	94	52	73.4	0.00	
Nevada	86	34	55.2	3.95	
Newhall *[1]	94	50	62.5	0.82	
Newman	87	42	63.8	0.61	
Niles	86	42	60.6	1.06	
North Bloomfield	85	34	55.4	4.43	
North Ontario	88	44	62.8	0.41	
North San Juan *[1]	80	43	61.0	3.77	
Oakland	78	47	60.2	1.98	
Ogilby *[1]	104	70	82.2	0.00	
Orland *[1]	90	50	68.4	2.66	
Palermo	88	37	60.1	2.43	
Paso Robles	93	32	56.6	1.08	
Peachland *[5]	84	43	59.9	6.29	
Piedras Blancas L. H				1.58	
Pigeon Point L. H				0.66	
Pilot Creek				4.56	
Pine Crest	83	50	62.0	2.48	
Placerville	79	36	54.5	2.27	
Point Ano Nuevo L. H				1.13	
Point Arena L. H				4.25	
Point Bonita L. H				2.78	
Point Conception L. H				1.95	
Point Fermin L. H				1.00	
Point George L. H				1.27	
Point Hueneme L. H				1.15	
Point Lobos	67	51	57.6	1.91	
Point Loma L. H				0.01	
Point Montara L. H				3.64	
Point Pinos L. H				0.42	
Point Sur L. H				1.52	
Pomona (near)	86	42	62.6	0.26	
Porterville	93	40	64.8	0.56	
Poway	85[e]	43[e]	63.3[d]	0.38	
Quincy	75	28	49.2	5.03	
Redding	88	42	62.8	5.51	
Redlands	91	42	64.4	0.06	
Reedley	93	32	61.1	0.50	
Represa	82	48	60.4	1.97	
Riovista	85	44	62.2	1.38	
Riverside	89	40	62.0	0.09	
Roe Island L. H				1.19	
Rohnerville *[5]	81	31	55.6	3.69	
Rosewood	88	36	59.2	2.58	
Sacramento	84	43	59.8	2.11	
Salinas	82	35	58.8	0.52	
Salton *[1]	98	58	78.4	0.00	
San Bernardino	96	37	63.1	0.09	
San Jacinto	93	37	63.4	0.06	
San Jose	89	43	62.2	0.95	
San Leandro	84	42	59.4	2.24	

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.*
San Luis L. H				2.14	
San Mateo *[1]	77	50	62.4	1.85	
San Miguel *[1]	86	42	61.2	0.55	
San Miguel Island	70	50	59.8	1.18	
Santa Barbara	80	50	61.8	1.48	
Santa Barbara L. H				1.13	
Santa Clara				1.12	
Santa Cruz	82	40	58.0	2.10	
Santa Cruz L. H				1.82	
Santa Maria	87	42	62.2	1.02	
Santa Monica	71	43	58.2	0.60	
Santa Paula	83	47	62.7	T.	
Santa Rosa	90	34	58.6	3.70	
Shasta	89	42	63.4	6.55	
Sierra Madre	82	48	62.8	0.56	
S. E. Farallone L. H				2.05	
Stockton	84	44	66.6	0.66	
Storey	90	35	61.0	0.35	
Summerdale	75	31	52.6	4.85	
Susanville	73	27	49.8	0.78	
Tehama *[1]	85	51	65.2	1.84	
Tejon Ranch	87	42	63.4	0.20	
Trinidad L. H				2.66	
Truckee *[1]	68	24	39.0	0.50	
Tulare *b*				0.29	
Tulare *c*	96	38	63.8	0.24	
Tustin	79	52	67.8	0.24	
Ukiah	92	32	58.0	4.66	
Upperlake	89	34	57.6	3.60	
Upper Mattole *[1]	81	37	52.5	7.94	
Vacaville *[1]	90	46	62.1	3.53	
Ventura	77	48	62.2	0.45	
Visalia	92	34	61.8	0.64	
Volcano *[1]	105	58	75.2	0.00	
Wasco	91	43	63.7	0.25	
Westpoint				3.55	
Wheatland	86	41	60.9	2.00	
Williams *[1]	87	48	65.5	1.44	
Willits	86	32	56.4	5.55	
Willows	85	40	60.8	2.20	
Yerba Buena L. H				1.10	
Yuba City *[5]	88	46	65.0	2.17	
Zenia				4.66	
Colorado.					
Alford	77	26	47.3	0.83	T.
Ashcroft	69	15	39.6	1.63	4.0
Blaine	90	30	56.9	1.53	1.2
Boulder	78	33	55.0	1.44	0.5
Boxelder				0.91	
Breckenridge	64	14	36.5	0.78	10.7
Buenavista				0.50	5.0
Canyon	83	28	54.0	0.34	
Castlerock	78	21	49.7	0.80	
Cedaredge	80	27	51.9	0.40	
Cheesman				6.24	
Cheyenne Wells	90	30	55.0	1.32	
Clearview	70	16	43.4	0.52	8.0
Collbran	78	23	49.2	0.85	
Colorado Springs	75	28	50.2	0.51	T.
Delta	84	20	50.0	0.25	
Durango	77	25	50.2	0.92	
Fort Collins	80	26	48.8	1.15	
Fort Morgan	77	29	50.6	1.04	
Fox	84	26	52.1	1.17	
Garnett	72	11	42.0	0.16	
Gilman				1.69	14.0
Gleneyre	78	23	49.8	0.52	
Glenwood				1.04	
Greeley	86	26	50.9	0.54	
Grover				0.50	
Gunnison	72	12	42.2	0.62	5.0
Hamps	78	24	49.1	0.91	2.5
Hoehne	84	32	58.6	0.56	
Holyoke (near)	86[e]	24[e]	52.2[e]	1.64	
Husted	77	20	47.2	0.49	T.
Lake Moraine	59	15	37.2	1.82	20.0
Lamar	89	28	57.1	1.76	
Laporte				1.37	
Las Animas	85	25	53.8	1.22	
Lay	73	14	43.2	0.27	
Leroy	81	29	52.4	0.78	
Longs Peak	65	10	39.6	1.60	11.0
Mancos	74	22	48.2	0.14	
Marshall Pass				2.19	21.2
Meeker	75	19	47.0	0.99	
Montrose				0.10	
Moraine	68	15	44.0	0.30	3.0
Pagoda	75	20	47.5	0.82	
Parachute	80	24	51.4	0.51	
Rangely	81	20	49.0		
Rockyford	86	25	53.6	0.80	
Rogers Mesa	79	27	52.0	0.27	
Ruby				2.57	32.0
Russell	70	0	40.3	0.60	5.0
Saguache	70	24	45.4	0.18	T.
Salida	81	18	47.6	0.65	0.5
San Luis	74	16	45.0	0.46	
Santa Clara	74	24	47.6	1.00	10.0

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Colorado—Cont'd.	°	°	°	*Ins.*	*Ins.*
Sapinero				0.78	
Seibert				0.89	
Silt	79	26	52.0	0.77	
Sugarloaf	68	22	44.5	1.33	8.0
Trinidad	76	30	52.4	0.52	
Twinlakes				0.28	5.8
Vilas				1.88	
Wallet				2.00	
Westcliffe	70	19	44.4	1.16	11.0
Whitepine	62	13	36.5	1.36	11.6
Wray	83	28	53.0	1.05	
Yuma				0.78	
Connecticut.					
Bridgeport	76	28	54.4	7.67	T.
Canton	71	20	49.8	6.11	T.
Colchester	73	25	53.2	5.78	T.
Falls Village				4.96	
Hartford *a*	72	25	50.8	6.71	T.
Hartford *b*	71	30	52.0	7.72	T.
Hawleyville	71	24	52.0	6.33	T.
Lake Konomoc				5.93	
New London	72	31	53.5	4.21	T.
North Grosvenor Dale	76	22	50.6	5.66	T.
Norwalk	73	25	52.2	7.64	
Southington	76	23	52.0	6.10	T.
South Manchester				5.58	
Storrs	71	25	50.3	5.68	T.
Voluntown	78[e]	20[e]	53.6[e]	4.67	
Wallingford				6.95	
Waterbury	76	24	52.8	6.19	T.
West Cornwall	72	24	50.2	5.42	T.
West Simsbury				6.15	
Delaware.					
Milford	84	29	60.6	4.02	T.
Millsboro	81	27	59.8	2.98	
Newark	76	28	55.7	8.33	
Seaford	79	31	60.2	4.23	
District of Columbia.					
Distributing Reservoir *[5]	76	39	58.8	6.23	
Receiving Reservoir *[5]	78	34	60.2	7.31	
West Washington	83	28	58.0	7.08	
Florida.					
Archer	89	45	72.4	2.27	
Avon Park	94	54	77.4	7.77	
Bartow	96	54	78.2	7.16	
Bonifay	90	38	69.2	1.98	
Brooksville	95	48	75.4	3.12	
Carrabelle	87	44	71.2	3.77	
Clermont	95	50	77.1	3.78	
De Funiak Springs	90	39	67.8	4.34	
Deland	89	48	74.2		
Eustis	95	49	76.8	6.28	
Federal Point	90	51	74.0	6.97	
Fernandina	90	48	72.6	10.09	
Flamingo	92	61	81.5	5.30	
Fort George	86	50	73.8		
Fort Meade	95	49	77.3	9.37	
Fort Myers	89	56	76.6	7.46	
Fort Pierce	95	58	77.6	11.37	
Gainesville	90	46	73.6	3.30	
Holt	89	38	65.8	0.98	
Huntington	92	48	74.6	5.73	
Hypoluxo	94	60	79.2	18.99	
Inverness	91	49	73.8	3.45	
Jasper	91	43	72.2	2.69	
Johnstown	92[1]	51[1]	72.8[1]		
Kissimmee	95	49	77.4	3.07	
Lake City [e]	91	51	73.3	3.32	
Macclenny	94	41	72.6	3.69	
Malabar	95	54	78.4	10.07	
Manatee	91	54	77.1	4.69	
Marco	95	60	80.2	4.80	
Marianna	91	39	67.2	2.50	
Merritt Island	91	55	77.4	9.20	
Miami	93	67	80.6	4.17	
Molino	95	35	67.6	2.49	
New Smyrna	94	52	74.8	15.20	
Nocatee	95	52	77.6	5.72	
Ocala	94	47	74.2	6.26	
Orlando	91	51	75.9	4.90	
Pinemount	94	43	70.8	2.25	
Rideout	92	43	72.1	5.88	
Rockwell	95	48	75.9	4.20	
St. Andrews	87	40	69.3	2.14	
St. Augustine	91	46	74.6	8.45	
St. Leo	95	48	76.2	3.38	
Stephensville	91			3.00	
Sumner	90	39	73.2	4.08	
Switzerland	90	49	73.0	5.37	
Tallahassee	87	44	68.4	3.49	
Tarpon Springs	91	47	76.2	2.04	
Titusville	93	49	75.4	8.78	
Waukeenah	89	40	69.0	5.09	
Wausau	93	33	68.3	3.43	
Wewahitchka	92	42	69.8	3.02	
Georgia.					
Adairsville	81[e]	32[e]	61.6[e]	1.66	
Albany	91	39	68.0	4.13	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Georgia—Cont'd.	°	°	°	*Ins.*	*Ins.*
Allapaha	88	37	66.7	2.46	
Alpharetta	83	31	61.2	1.19	
Americus	88	38	64.1	4.89	
Athens	82	39	62.0	1.55	
Bainbridge	85	38	65.5	3.35	
Blakely	85	42	67.0	3.40	
Bowersville	83	35	62.1	3.21	
Brent	85	35	64.9	4.65	
Butler				3.89	
Camak	84	36	63.4	3.69	
Canton				2.18	
Carlton				2.48	
Clayton	76	28	57.2	3.08	
Columbus	83	43	65.4	5.42	
Covington	88	35	63.6	3.14	
Dahlonega	80	33	61.3	1.95	
Diamond	82	31	58.0	0.95	
Douglas	91	37	67.9	4.10	
Dublin				3.53	
Dudley	85	36	65.8	3.56	
Eastman	89	39	66.8	5.68	
Elberton	83	36	62.5	2.60	
Experiment	82	36	62.8	3.53	
Fitzgerald	93	38	66.9	4.79	
Fleming	89	38	68.0	6.45	
Fort Gaines	90	38	65.3	4.02	
Gainesville	80	36	61.2	3.26	
Gillsville	83	34	61.9	2.17	
Greensboro	87	33	63.2	3.57	
Griffin	88	36	64.5	3.63	
Harrison	87	38	65.0	2.39	
Hawkinsville	87	34	64.5	5.32	
Hephzibah				2.88	
Jesup	90	40	69.2	5.02	
Lost Mountain	86[e]	35[i]	63.0[f]	0.92	
Louisville	83	37	64.6	3.80	
Lumpkin	88	37	65.7	2.96	
Marshallville	86	38[e]	66.3	4.45	
Mauzy	91[g]	37[g]	68.0[g]	1.20	
Milledgeville	85	37	64.0	5.14	
Millen	93			5.46	
Monticello	88	36	64.8	3.37	
Morgan				2.05	
Naylor	92	37	70.2	3.92	
Newnan	82	35	61.1	4.71	
Oakdale				1.80	
Point Peter	85	33	61.4	2.10	
Poulan	89	35	66.0	3.68	
Putnam	90	35	65.2	4.50	
Quitman	90	38	67.6	4.08	
Ramsey	83	30	61.3	1.32	
Resaca				2.47	
Rome	86	32	61.4	2.79	
St. Marys	89	44	71.5	10.00	
Statesboro	89	40	67.6	6.78	
Stillmore	99[e]	37[g]	66.2[e]	5.07	
Talbotton	88	35	64.5	4.40	
Tallapoosa	86	28	61.6	1.15	
Thomasville	90	41	68.9	4.15	
Toccoa	82	36	61.4	3.08	
Valona	90	44	68.2	14.27	
Vidalia	90	40	67.2	2.96	
Washington	83	40	63.2	3.87	
Waverly	91	44	71.8	10.24	
Waycross	87	42	68.0	5.07	
Waynesboro	83	39	64.2	7.41	
Westpoint	90	33	64.8	4.93	
Woodbury	87	32	61.9	3.11	
Idaho.					
Albion	79	19	47.8	0.18	
American Falls	81	16	48.2	0.10	
Blue Lakes	88	26	55.2	0.14	
Burnside	65	20	41.4	0.15	
Cambridge	83	24	48.1	0.41	
Downey	77	20	48.3	0.01	
Forney	78	12	43.2	0.62	2.0
Garnet	86	23	55.2	0.31	
Grangeville				0.71	4.8
Lakeview	74	32	49.2	0.32	
Lost River	74	17	43.8	0.43	T.
Moscow	80	31	50.9	1.24	
Murray	72	27	46.2	1.20	
Oakley	80	25	50.6	0.20	
Ola	82	24	51.2	1.22	
Payette	80	26	52.8	0.55	
Pollock	81	32	53.9	0.30	
Porthill	66	28	46.6	0.33	
Priest River	70	24	47.3	0.49	
Riddle	76	12	45.5	0.44	
St. Maries	81	29	52.4	0.79	
Silver City	91	22	46.8	1.44	0.8
Soldier	75	14	43.2	0.38	
Swan Valley	81[e]	19[e]	47.9[e]	T.	
Thunder Mountain	78	19	41.5	0.88	8.6
Weston [j]	75	22	48.5	0.29	
Illinois.					
Albion	81	29	59.5	0.93	
Aledo	89	29	57.0	3.51	

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.
Illinois—Cont'd.	°	°	°	*Ins.*	*Ins.*
Alexander	79	30	58.0	2.29	
Antioch	75	27	51.7	3.67	
Ashton	75	28	52.7	4.18	
Astoria	78	31	55.4	2.77	
Aurora	78	30	53.2	2.02	
Benton	91	31	63.0	0.96	
Bloomington	82	29	57.6	2.70	
Cambridge	77	31	54.5	4.19	
Carlinville	50	30	57.8	3.06	
Carrollton	78	34	58.6	2.36	
Centralia	93	27	63.0	1.10	
Charleston	79	32	58.8	1.99	
Chester	.....	.....	.....	1.41	
Cisne	85	24	59.9	0.76	
Coatsburg	80	29	56.8	2.21	
Cobden	84	30	62.4	0.84	
Decatur	79	27	57.2	2.08	
Dixon	88	31	53.6	3.90	
Dwight	77	30	54.4	2.09	
Effingham	80	29	59.4	2.03	
Equality	87	26	61.0	1.06	
Fandon	79	30	56.4	2.42	
Flora	81	30	62.2	1.01	
Friendgrove*[5]	79	29	58.8	1.57	
Galva	80	29	55.4	3.28	
Grafton	.....	.....	.....	1.91	
Greenville	84	31	56.8	3.24	
Griggsville	81	32	59.5	2.58	
Halfway	83[e]	30[e]	61.4[e]	0.78	
Halliday	82	23	60.3	1.51	
Henry	80	29	56.0	1.60	
Hillsboro	81	30	59.0	2.52	
Hoopeston	78	32	54.6	1.99	
Joliet	78	32	53.9	2.44	
Kishwaukee	79	27	52.6	2.07	
Knoxville	78	28	54.6	3.27	
Lagrange	76	30	53.0	2.09	
Laharpe	80	28	56.2	2.65	
Lanark	76	24	51.2	3.08	
Lasalle	82	31	57.4	1.67	
Loami	.....	.....	.....	2.49	
McLeansboro	83	27	61.0	0.85	
Martinsville	82	26	58.2	1.39	
Martinton	79	31	55.8	1.72	
Mascoutah	78	28	57.3	1.55	
Mattoon	78[d]	32[d]	60.2[d]	1.53	
Minonk	78	29	54.7	1.59	
Monmouth	78	27	54.2	3.39	
Monticello	81	32	57.1	1.35	
Morrison	80	30	54.4	2.78	
Morrisonville	80	30	58.3	2.45	
Mount Carmel	.....	.....	.....	1.83	
Mount Pulaski	81	31	58.4	2.24	
Mount Vernon	82[e]	28	61.7	0.28	
Olney	81	28	60.2	1.33	
Ottawa	80	33	56.8	1.87	
Palestine	82	28	57.8	2.40	
Pana	79	30	57.9	2.32	
Paris	79	33	59.3	2.11	
Peoria *a*	.....	.....	.....	2.79	
Peoria *b*	80	31	57.6	3.78	
Philo	79	29	56.8	3.39	
Plumhill	81	31	59.8	1.17	
Rantoul	80	31	56.8	2.85	
Raum	82	31	61.7	1.70	
Riley	75	29	52.9	2.90	
Robinson	80	26	58.8	1.65	
Rushville	79	30	57.7	2.86	
St. Charles	80	29	53.2	2.19	
St. John	81	27	60.6	1.02	
Shobonier	85	27	60.1	1.52	
Streator	79	31	55.0	3.24	
Sullivan	82	29	58.2	2.24	
Sycamore	77	30	53.8	3.10	
Tilden	80	31	59.5	1.42	
Tiskilwa	76	23	54.0	2.99	
Tuscola	80	29	57.2	2.63	
Urbana	78	31	56.4	2.10	
Walnut	78	30	55.2	3.63	
Wellington	78	32	56.5	1.55	
Winchester	80	32	58.9	2.85	
Winnebago	75	28	52.6	1.62	
Yorkville	78	30	54.3	1.80	
Zion	76	28	53.3	1.52	
Indiana.					
Anderson	79	30	56.8	3.13	
Angola	73	29	52.6	1.77	
Avoca	81	28	56.5	3.28	
Bloomington	81	34	58.0	3.40	
Bluffton	77	28	54.1	2.13	
Butlerville	81	28	58.6	3.13	
Cambridge City	79	24	53.5	3.17	
Columbus	80	28	57.8	2.74	
Connersville	80	32	56.4	3.59	
Crawfordsville	83	34	59.8	1.40	
Delphi	79	28	55.1	2.99	
Edwardsville	80	36	60.5	1.56	
Elkhart	76	32	52.9	0.70	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Indiana—Cont'd.	°	°	°	*Ins.*	*Ins.*
Farmland	77[k]	31[k]	56.4[k]	2.76	
Fort Wayne	78	28	54.9	4.28	
Franklin	78	33	56.3	3.02	
Greencastle	75	34	57.2	2.20	
Greensburg	81	26	56.0	2.60	
Hammond	77	33	53.8	2.06	
Hector	79	33	55.4	2.19	
Holland	83	28	60.4	3.27	
Huntington	75	32	54.8	4.21	
Jeffersonville	81	35	60.1	1.42	
Kokomo	78	31	56.0	2.13	
Lafayette	76	24	56.1	3.27	
Laporte	79	32	54.6	1.38	
Logansport	78	33	55.3	2.65	
Madison *a*	89	31	59.4	2.13	
Madison *b*	.....	.....	.....	2.58	
Marengo	82	29	57.3	3.71	
Marion	78	28	55.6	2.03	T.
Markle	78	30	55.0	4.10	
Mauzy	81	27	56.3	4.06	
Moores Hill	82	30	58.2	2.06	
Mount Vernon	81	33	60.8	2.87	
Northfield	76	26	54.6	1.83	
Paoli	82	28	58.8	3.27	
Prairie Creek	87	27	59.0	1.56	
Princeton	79	27	58.4	2.80	
Rensselaer	75	31	54.8	1.52	
Richmond	81	27	55.4	3.01	
Rockville	79	33	57.4	2.04	
Salem	85	27	59.8	2.70	
Scottsburg	82	32	58.2	3.04	
Seymour	80	32	57.0	2.95	
Shelbyville	.....	.....	.....	3.41	
South Bend	78	34	55.0	1.46	
Syracuse	81	30	53.9	1.61	
Terre Haute	80	35	59.2	2.51	
Topeka	74	30	52.2	1.41	
Valparaiso	77	33	54.0	1.56	
Vevay	82	34	59.2	2.80	
Vincennes	82	29	60.0	2.15	
Washington	81	29	59.0	4.16	
Winamac	77[e]	26[e]	52.2[e]	2.60	
Worthington	81	28	58.8	2.34	
Indian Territory.					
Ardmore	83	41	63.6	4.06	
Chickasha	86	34	63.1	2.14	
Durant	85	41	63.6	2.00	
Fairland	84	33	62.2	2.49	
Fort Apache	83	30	56.2	0.30	
Goodwater	86	37	62.9	2.85	
Hartshorne	85	38	64.6	1.38	
Healdton	89	38	63.8	3.22	
Holdenville	85	39	63.0	1.38	
Marlow	88	38	64.0	3.16	
Muskogee	83	39	62.8	2.68	
Pauls Valley	77	38	56.0	3.20	
South McAlester	.....	.....	.....	3.56	
Tahlequah	86	35	62.0	2.71	
Tulsa	.....	.....	.....	2.30	
Wagoner	90	39	67.8	1.80	
Webbers Falls	.....	.....	.....	2.30	
Iowa.					
Afton	78	27	55.0	4.32	
Albia	81	28	55.6	4.57	
Algona	79	28	52.9	1.10	
Allerton	79	29	56.2	3.52	
Alta	74	26	51.5	1.11	
Amana	76	28	53.7	3.71	
Ames	77	26	52.8	2.56	
Atlantic	80	28	53.6	2.51	T.
Audubon	79	26	54.2	1.79	
Baxter	79	25	54.0	4.33	
Bedford	79	24	55.8	2.95	
Belknap	78	28	55.1	4.35	
Bonaparte	79	28	55.9	4.01	
Britt	74	23	50.4	1.18	T.
Buckingham	.....	.....	.....	1.82	T.
Burlington	82	30	66.4	3.79	
Bussey	.....	.....	.....	4.49	
Carroll	81	25	53.0	1.10	
Cedar Rapids	77	31	55.2	2.71	
Chariton	77	28	55.4	4.55	
Charles City	75	26	51.0	1.13	
Chester	74	25	49.3	2.09	
Clarinda	82	27	56.4	4.23	
Clearlake	75	29	51.2	1.05	T.
Clinton	78	28	53.4	3.15	
College Springs	81	28	56.6	3.63	
Columbus Junction	81	29	55.9	4.77	
Corning	78	26	53.8	3.43	
Council Bluffs	83	24	57.0	2.24	
Cresco	72	28	49.6	1.60	T.
Cumberland	.....	.....	.....	3.23	
Danville	.....	.....	.....	4.05	
Decorah	74	28	51.7	1.51	
Delaware	75	26	51.0	1.50	
Denison	78	24	53.3	0.82	
De Soto	78	30	54.4	3.76	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Iowa—Cont'd.	°	°	°	*Ins.*	*Ins.*
Dows	74	27	50.9	0.95	
Earlham	77	26	52.6	3.71	
Eldon	80	30	55.9	4.38	
Elkader	80	27	53.4	1.87	
Emerson	.....	.....	.....	0.50	
Fairfield	79	28	55.4	4.71	
Fayette	75	23	50.2	1.47	T.
Fertile	77	27	50.6	1.69	T.
Forest City	76	26	50.9	1.32	T.
Fort Madison	74	.....	.....	3.51	
Galva	.....	.....	.....	1.06	
Gilman	.....	.....	.....	2.91	
Grand Meadow	74	27	50.7	1.33	T.
Greene	75	29	51.4	1.39	
Greenfield	77	26	54.2	2.91	
Grinnell	75	29	53.2	3.60	
Grinnell (near)	77	27	53.9	4.55	
Grundy Center	77	27	52.7	1.65	
Guthrie Center	78	28	53.0	2.27	
Hampton	79	29	53.3	1.33	
Harlan	79	24	52.5	2.25	T.
Hopeville	.....	.....	.....	4.62	
Humboldt	77	28	52.2	1.14	
Idagrove	83	26	52.2	1.47	
Independence	76	25	51.8	1.65	
Indianola	78	30	55.4	3.25	
Iowa City	80	28	55.2	3.12	
Iowa Falls	76	26	50.7	1.60	
Jefferson	80	26	53.6	3.62	
Keosauqua	80	29	56.0	3.70	
Lacona	.....	.....	.....	4.66	
Lansing	76	27	52.8	1.76	
Larrabee	77	21	50.9	0.80	
Leclaire	.....	.....	.....	3.71	
Lemars	78	24	51.6	0.44	T.
Lenox	77	27	54.6	3.11	
Leon	77	29	56.0	3.77	
Logan	78	26	54.2	3.26	
Maple Valley	.....	.....	.....	1.19	
Maquoketa	78	27	53.3	2.37	
Marshalltown	79	29	53.7	1.81	
Monticello	78	27	54.4	1.39	
Mountayr	77	27	55.4	3.30	
Mount Pleasant	75	26	53.8	4.65	
Mount Vernon	78	27	55.1	3.86	
New Hampton	73	26	50.0	1.40	T.
Newton	75	27	53.3	6.66	
Northwood	73	30	50.2	3.11	T.
Odebolt	76	25	52.6	1.06	
Ogden	80	26	55.9	2.69	
Olin	82	27	52.4	2.88	
Onawa	82	26	55.8	1.56	
Osage	72	29	49.6	1.46	T.
Osceola	78	29	55.2	3.82	
Oskaloosa	79	30	55.0	3.60	
Ottumwa	78	33	57.2	4.80	
Ovid	79	28	56.3	4.60	
Pacific Junction	79	25	55.1	2.78	
Perry	78	28	53.4	3.94	
Plover	77	20	48.9	1.48	
Primghar	75	22	52.6	0.30	
Redoak	76	31	56.0	2.71	
Ridgeway	81	28	53.8	1.57	T.
Rockford	.....	.....	.....	0.70	T.
Rockwell City	76	29	53.1	1.45	
Sac City	77	28	53.5	1.16	
St. Charles	79	31	56.6	5.77	
Scranton	76	28	52.6	1.79	T.
Sheldon	77	24	51.8	0.70	T.
Sibley	79	22	51.6	0.68	
Sigourney	82	26	54.9	4.59	
Sioux Center	75	25	51.4	0.28	T.
Spirit Lake	83	24	51.3	0.48	T.
Stockport	.....	.....	.....	4.35	
Storm Lake	74	25	52.1	1.13	
Thurman	80	26	55.5	4.47	
Tipton	78	28	54.0	5.90	
Toledo	79	28	53.9	2.16	
Villisca	79	24	56.4	3.08	
Vinton*[1]	75	30	53.0	2.03	
Wapello	76	32	54.5	4.39	
Washington	80	25	53.7	5.29	
Washta	.....	.....	.....	0.71	
Waterloo	79	29	53.2	1.50	
Waverly	76	28	52.4	1.39	
Westbend	76	27	51.3	1.19	
Westbranch	.....	.....	.....	3.82	
West Union	.....	.....	.....	1.48	
Whitten	76	25	52.2	0.88	T.
Wilton Junction	79	27	54.4	4.34	
Winterset	79	29	58.4	4.57	
Woodburn	.....	.....	.....	4.66	
Kansas.					
Achilles	90	20	53.7	1.57	
Anthony	.....	.....	.....	1.27	
Atchison *a*	82	31	59.1	3.36	
Burlington	84	30	60.0	2.25	
Clay Center	83	25	58.4	3.33	

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.
Kansas—Cont'd.					
Colby	87	26	54.6	1.69	
Columbus	80	33	59.8	1.75	
Cunningham	87	28	59.6	1.58	
Delphos	85	25	57.6	3.40	
Dresden	86	28	55.8	1.79	
Ellinwood	85	29	59.5	1.60	
Emporia	81	35	59.3	2.23	
Englewood	90	29	60.9	2.68	
Eureka	.....	.....	.....	1.93	
Eureka Ranch	.....	23	.....	2.31	
Fallriver	84	31	60.8	1.91	
Farnsworth	87	23	56.2	2.28	
Forsha	89	27	61.0	1.76	
Fort Leavenworth	81	34	61.0	2.69	
Fort Scott	84	32	60.4	0.95	
Frankfort	84	26	58.5	3.72	
Fredonia	88[e]	38[e]	61.8[e]	1.09	
Garden City	88	27	58.0	2.62	
Gove	90	28	55.8	2.25	
Grenola	85	30	59.0	1.72	
Hanover	81	26	57.4	4.00	
Harrison	85	22	57.0	2.52	
Hays	85	25	56.6	2.56	
Holton	82	29	57.7	3.05	
Horton	81	30	58.8	3.34	
Hoxie	85[h]	25[h]	55.4[h]	.....	
Hutchinson	94	25	59.4	2.22	
Independence	84	33	61.9	0.82	
Jetmore	90	28	59.8	2.10	
Lakin	86	27	56.4	1.93	
Lawrence	80	32	59.0	3.28	
Lebanon	80	24	55.2	2.10	
Lebo	82	31	59.8	2.71	
Leoti	87	27	56.3	1.70	
Little River	85	25	59.6	1.97	
Macksville	87	28	58.0	1.76	
McPherson	87	27	60.2	3.24	
Madison	85	29	58.6	2.35	
Manhattan	87	27	60.4	2.19	
Marion	86	30	59.6	2.25	
Meade	.....	.....	.....	2.93	
Medicine Lodge	89	30	61.4	1.28	
Minneapolis	84	27	58.8	2.31	
Moran	85	30	61.2	1.06	
Mounthope *[1]	82	26	59.2	1.72	
Ness City	87[e]	31[e]	58.8[e]	2.02	
Newton	84	34	60.4	2.13	
Norwich	86	29	61.2	1.23	
Oberlin	.....	.....	.....	2.36	
Olathe	80	30	59.2	2.42	
Oswego	85	33	62.0	1.35	
Ottawa	84	28	58.6	2.47	
Paola	81[d]	32[d]	59.6[d]	2.37	
Phillipsburg	.....	.....	.....	2.54	
Pratt	88	26	59.0	1.95	
Republic	86	23	57.0	3.10	
Rome	88	33	61.4	1.91	
Salina	85	24	60.3	2.69	
Sedan	83	33	61.2	0.97	
Seneca	83	28	58.4	3.25	
Toronto	87	30	59.0	1.70	
Ulysses	88	29	58.3	1.58	
Valley Falls	83	29	58.6	2.18	
Viroqua	89	29	56.6	2.17	
Wakeeney	.....	.....	.....	2.71	
Wallace	88	20	55.2	1.55	
Wamego *[1]	84	30	58.0	2.95	
Winfield	84	32	60.2	1.45	
Yates Center	82	28	58.6	1.67	
Kentucky.					
Alpha	84	32	60.5	3.03	T.
Anchorage	84	28	58.4	1.70	
Bardstown	85	30	60.6	2.17	
Beattyville	.....	.....	.....	2.72	
Berea	82	30	59.8	2.53	
Blandville	80	31	60.8	1.39	
Bowling Green	84	25	59.7	2.78	
Burnside	90	31	58.8	3.58	
Cadiz	86	28	61.7	2.84	
Carrollton	85	36	59.3	2.26	
Catlettsburg	84	31	59.6	2.78	
Earlington	84	29	60.5	3.74	
Edmonton	86	27	59.8	2.57	
Eubank	80	27	57.6	2.56	
Falmouth	.....	.....	.....	2.09	
Fords Ferry	84	25	60.7	T.	
Frankfort	79	32	58.8	2.29	
Franklin	87	33	61.6	1.50	
Greensburg	85	27	58.9	3.07	T.
Henderson	85	30	61.5	2.54	
High Bridge	81	34	59.9	2.56	
Hopkinsville	83	27	61.6	2.54	
Irvington	83	30	60.6	1.03	
Jackson	88	33	62.6	2.36	
Leitchfield	83	28	59.4	1.04	
Loretto	83	26	59.4	3.26	
Manchester	84	29	58.4	2.45	
Marrowbone	84	25	58.0	2.38	T.
Kentucky—Cont'd.					
Mayfield	81	32	61.4	3.28	
Maysville	89	31	59.3	2.34	
Middlesboro	79	30	58.4	2.53	
Mount Sterling	80	33	58.0	2.08	
Owensboro	82	30	61.4	3.06	
Owenton	78	34	57.4	1.90	
Paducah *a*	.....	.....	.....	2.91	
Paducah *b*	85	34	63.4	2.67	
Pikeville	87	30	62.9	1.98	
Princeton	.....	.....	.....	3.63	
Richmond	82	33	60.7	2.70	
St. John	82	29	59.0	1.36	
Scott	83	32	58.8	1.78	
Shelby City	85	28	59.5	2.41	T.
Shelbyville	90	29	60.2	2.32	
Taylorsville	80	28	57.1	1.40	
Warfield	.....	28	.....	3.03	
Williamsburg	91	30	62.7	2.32	
Williamstown	83	31	60.2	2.56	
Louisiana.					
Abbeville	90	42	68.8	3.23	
Alexandria	93	37	66.7	6.12	
Amite	89	37	66.5	2.78	
Baton Rouge	87	41	66.6	2.81	
Burnside	88	41	67.3	3.64	
Calhoun	86[j]	34	65.6[e]	3.58	
Cameron	85	50	69.6	1.94	
Cheneyville	88	38	65.5	2.30	
Clinton	87	37	65.9	2.01	
Collinston	91	35	66.0	4.00	
Covington	91	37	68.5	2.03	
Donaldsonville	88	47	68.6	4.62	
Emilie	87	40	67.1	1.44	
Farmerville	85	36	61.5	1.75	
Franklin	92	44	68.6	2.16	
Grand Coteau	85	43	67.6	2.69	
Hammond	86	39	66.5	4.96	
Houma	90	43	68.2	1.72	
Jennings	89	45	68.2	5.12	
Lafayette	89	41	68.1	3.09	
Lake Charles	89	46	69.5	4.82	
Lake Providence	86	40	65.6	1.00	
Lakeside	90	50	69.2	1.75	
Lawrence	91	52	70.2	3.41	
Libertyhill	88	37	66.3	3.44	
Mansfield	90	35	64.8	4.32	
Melville	87	37	65.1	2.20	
Minden	89	40	65.6	3.36	
Monroe	89	41	66.6	2.35	
New Iberia	86	48	69.4	3.10	
Opelousas	87	44	67.0	4.37	
Oxford	89	37	66.4	3.97	
Paincourtville	84	42	66.0	2.26	
Plain Dealing	87	40	64.8	3.82	
Port Eads	90	59	75.7	9.11	
Rayne	90	39	67.8	1.08	
Reserve	84[e]	42[e]	66.1[e]	1.47	
Robeline	90	35	64.2	2.00	
Ruston	88	36	64.1	3.10	
Schriever	92	39	67.6	2.81	
Sugartown	83	45	67.2	2.97	
Venice	88	50	72.0	7.69	
Wallace	89	40	68.2	0.99	
Maine.					
Bar Harbor	74	24	48.3	5.11	
Belfast	72	20	46.2	5.05	
Carmel	71	16	46.2	3.71	
Cornish	71	24	48.1	6.80	T.
Fairfield	77	19	47.5	4.01	
Farmington	77	17	46.0	4.68	
Gardiner	78	22	48.0	4.90	
Houlton	73	20	48.2	4.73	T.
Lewiston	74	25	48.4	5.07	
Mayfield	69	19	43.5	5.83	1.0
North Bridgton	79	24	47.7	5.72	
Orono	75	17	47.2	5.04	T.
Patten	70	14	44.3	4.80	T.
Roach River	70	16	43.6	3.21	
Rumford Falls	68	20	44.0	4.14	
The Forks	.....	.....	.....	3.40	
Vanburen	69	16	43.0	5.51	
Vanceboro	73	30	51.6	5.97	
Winslow	76	16	47.6	5.54	
Maryland.					
Annapolis	80	29	59.2	6.90	
Bachmans Valley	75	26	53.2	10.72	
Boettcherville	89	25	56.5	3.46	
Cambridge	78	39	60.8	6.14	
Charlotte Hall	81[d]	27[d]	58.8[d]	4.32	
Chase	81	25	56.6	7.42	
Cheltenham	80	26	56.8	7.00	
Chestertown	76	32	56.5	6.32	
Chewsville	84	22	56.0	3.73	
Clearspring	79	29	55.1	3.59	
Collegepark	80	26	56.3	5.78	
Colora	.....	.....	.....	6.32	
Cumberland *b*	.....	.....	.....	3.49	
Darlington	77[e]	28	56.0	6.61	
Maryland—Cont'd.					
Deerpark	72	17	50.4	4.52	
Denton	80	28	59.6	5.98	
Easton	77	30	59.1	6.71	
Fallston	79	30	57.0	8.06	
Frederick	83	25	58.6	4.87	
Grantsville	74	23	51.8	4.00	0.5
Greatfalls	81	26	58.8	7.82	
Greenspring Furnace	78	24	54.4	3.68	
Hancock	82	23	55.8	3.42	
Harney	.....	.....	.....	5.77	
Jewell	79	31	59.4	7.12	
Johns Hopkins Hospital	80	32	58.0	7.38	
Laurel	82	26	56.4	5.83	
McDonogh	80	28	57.2	7.22	
Mount St. Marys College	77	32	55.4	7.42	
Newmarket	77	29	56.8	6.52	
Pocomoke	78	31	61.4	2.05	
Princess Anne	82	27	59.3	3.06	T.
Queenstown	80	31	58.2	6.47	
Solomons	79	38	62.0	5.04	
Sudlersville	80	30	59.2	4.97	
Sunnyside	73	21	52.2	4.77	
Takoma Park	78	30	56.9	6.24	T.
Van Bibber	76	29	56.4	7.29	
Westernport	85	24	56.2	2.41	
Woodstock	77	30	58.2	6.35	
Massachusetts.					
Amherst	74	22	50.3	5.59	T.
Bedford	73	26	50.9	5.05	T.
Bluehill (summit)	73	28	51.4	4.54	T.
Chestnuthill	75	26	54.2	4.79	
Cohasset	.....	.....	.....	4.49	
Concord	77	23	50.4	4.76	T.
East Templeton *[1]	69	27	48.2	4.65	T.
Fallriver	73	35	53.6	4.11	
Fitchburg *a* *[1]	72	25	49.2	6.30	
Fitchburg *b*	73	26	50.6	6.28	T.
Framingham	78	22	50.8	4.20	
Groton	76	23	49.4	6.38	T.
Hyannis	70	31	53.8	5.89	
Jefferson	.....	.....	.....	6.76	
Lawrence	75	27	51.4	4.29	T.
Leominster	.....	.....	.....	6.54	T.
Lowell *a*	74	27	53.3	5.29	
Lowell *b*	75	25	52.2	.....	
Ludlow Center	69	22	46.4	5.30	
Middleboro	74	22	51.8	5.02	
Monson	72	22	50.6	5.08	
New Bedford *a*	72	30	53.1	6.19	
Plymouth *[1]	70	34	53.1	5.32	
Princeton	.....	.....	.....	6.56	
Provincetown	72	34	54.0	3.88	
Salem	.....	.....	.....	5.06	
Somerset *[1]	76	28	55.4	3.88	
Sterling	.....	.....	.....	6.38	
Taunton *c*	73	20	51.1	3.68	
Webster	.....	.....	.....	5.34	
Westboro	77	26	54.7	4.70	T.
Weston	73	28	50.2	4.37	
Williamstown	69	25	49.0	3.66	T.
Winchendon	.....	.....	.....	4.25	
Worcester *b*	73	28	51.4	5.00	T.
Michigan.					
Adrian	80	28	53.2	1.36	
Agricultural College	73	24	49.6	1.63	T.
Allegan	74	29	49.1	2.87	
Alma	73	24	49.2	4.35	T.
Ann Arbor	75	27	51.0	1.95	
Annpere	76	22	49.8	0.82	
Arbela	75	25	51.6	2.71	
Baldwin	72	18	46.5	1.65	
Ball Mountain	75	27	49.9	2.75	
Baraga	76	18	43.2	1.00	1.0
Battlecreek	74	29	51.2	1.79	
Bay City	71	27	49.7	4.38	
Benzonia[f]	66	26	48.4	2.05	
Berlin	75	26	49.8	2.47	
Berrien Springs	77	30[d]	52.6	2.72	T.
Big Rapids	72	21	46.6	2.97	
Birmingham	80	29	52.6	2.29	
Boon	66	16	43.2	2.46	0.2
Calumet	63	29	43.5	3.14	0.6
Carsonville	84[e]	27[l]	51.2[e]	.....	T.
Caseville	.....	.....	.....	4.57	
Cassopolis	76	27	52.6	1.80	
Charlevoix	65	28	47.4	2.00	
Charlotte	72	28	50.6	1.94	
Chatham	69	17	42.4	3.70	T.
Cheboygan	70	22	45.6	2.75	T.
Clinton	78	28	52.6	1.90	
Coldwater	76	27	55.4	1.56	
Deerpark	66	25	44.6	2.25	
Detour	63	29	45.4	2.31	T.
Dundee	77	28	52.8	1.57	
Eagle Harbor	65	30	45.5	2.19	T.
East Tawas	73	26	48.3	3.16	
Eloise	78	28	52.0	1.80	
Ewen	65	10	42.2	1.78	

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.
Michigan—Cont'd.	°	°	°	*Ins.*	*Ins.*
Fennville	70	32	51.6	2.21	
Fitchburg	76	25	50.4	1.99	
Flint	74	25	49.2	2.66	
Frankfort	63	31	48.6	1.43	T.
Gaylord	70[c]	18	43.6	3.20	T.
Gladwin	72	20	47.2	1.90	T.
Grand Marais	69	30	45.3	2.08	T.
Grand Rapids	71	30	51.2	1.50	
Grape	78	28	52.2	1.66	
Grayling	72	18	46.2	2.55	0.5
Hagar	73	30	53.7	5.92	
Hanover	75	26	50.8	2.15	
Harbor Beach	75	30	50.7	3.00	T.
Harrisville	73	27	47.3	3.44	T.
Hart	68	27	48.2	2.29	
Hastings	74	26	51.0	2.68	
Hayes	72	25	48.2	6.19	T.
Highland Station	.....	.....	.....	2.28	
Hillsdale	75	26	51.0	1.64	
Humboldt	67	12	40.2	1.76	T.
Iron Mountain	68	20	44.5	1.48	
Iron River	69	16	42.0	3.55	T.
Ironwood	68	25	44.2	1.94	T.
Ishpeming	67	25	42.2	3.71	1.5
Ivan	69	20	45.0	3.05	1.0
Jackson	72	28	51.6	1.62	
Jeddo	75	29	49.7	2.12	T.
Kalamazoo	70	31	50.8	2.98	
Lake City	68	18	45.6	0.75	
Lansing	74	28	50.0	1.76	
Lapeer	76	26	50.2	1.78	
Lincoln	71	23	48.4	3.31	T.
Ludington	66	40	48.8	0.30	
Mackinac Island	62	28	47.7	2.62	1.5
Mackinaw	66	28	46.0	3.32	
Mancelona	68	20	45.0	2.90	T.
Manistee	70	22	49.0	0.55	
Manistique	65	23	45.3	2.16	T.
Menominee	75	26	47.7	1.60	
Midland	73	25	50.8	3.40	T.
Mio	67	13	44.6	3.62	0.1
Mount Clemens	76[e]	27[e]	52.4[e]	3.10	
Mount Pleasant	72	20	48.2	2.65	
Muskegon	68	31	50.9	2.57	T.
Newberry	72	20	46.1	1.10	
North Marshall	74	29	50.8	2.85	
Old Mission	70	30	47.8	2.97	T.
Olivet	72	30	50.2	2.53	T.
Omer	73	19	46.7	3.41	T.
Onaway	68	20	45.0	2.20	T.
Ontonagon	69	25	44.2	1.53	T.
Ovid	72	25	49.8	2.57	
Owosso	.....	.....	.....	2.20	
Petoskey	68	26	45.4	2.92	T.
Plymouth	71	22	48.4	1.81	
Port Austin	74	32	50.3	2.18	
Powers	72	21	45.5	.....	
Reed City	65	21	43.7	2.81	
Roscommon	72	15	44.6	0.47	T.
Saginaw	73	26	50.2	2.96	
St. Ignace	.....	.....	.....	1.40	
St. Johns	72	28	50.6	2.46	T.
St. Joseph	73	33	53.2	3.43	
Sidnaw	70	.....	.....	.....	T.
Somerset	74	25	50.2	1.55	
South Haven	71	31	52.8	1.87	
Stanton	70	24	49.7	4.73	
Thomaston	60[f]	11	39.8[c]	2.52	T.
Thornville	73	28	49.8	2.77	
Vans Harbor	70	23	47.4	1.64	T.
Vassar	74	23	50.6	1.96	
Wasepi	81	30	51.6	1.72	T.
Waverly	70	30	51.0	4.89	T.
Webberville	75	27	50.8	2.24	
West Branch	70	21	46.0	2.67	
Wetmore	65	20	39.6	3.10	
Whitefish Point	60	26	43.4	2.64	T.
Ypsilanti	77	30	50.2	1.45	
Minnesota.					
Albert Lea	74	31	48.9	1.52	
Alexandria	73	25	46.6	0.81	
Angus	73	11	41.6	2.86	
Ashby	72	25	45.6	2.58	T.
Beardsley	79	20	46.6	1.85	
Beaulieu[d]	73	14	42.2	3.45	T.
Bemidji	69	28	45.4	2.74	0.5
Bird Island	77	23	49.2	1.38	
Blooming Prairie	75	28	48.4	1.95	T.
Brainard	76[c]	28	46.6	2.75	
Caledonia	73	26	49.2	1.94	T.
Collegeville	71	28	47.9	0.98	0.2
Crookston	68	21	43.9	2.42	
Currie	80	25	49.6	.....	
Deephaven	.....	.....	.....	1.44	
Detroit City	71	23	43.4	2.93	T.
Faribault	73	26	48.9	1.05	T.
Farmington	73	31	48.4	1.45	0.2
Fergus Falls	71	25	45.9	2.85	0.2

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Minnesota—Cont'd.	°	°	°	*Ins.*	*Ins.*
Glencoe	75	20	45.0	1.35	
Grand Meadow	76	17	48.8	1.84	
Hallock	75	13	43.4	1.57	
Lake Winnibigoshish	68	24	44.5	1.20	
Leech	73	21	42.8	3.64	
Long Prairie	74	23	45.5	2.17	0.5
Luverne	76	22	49.0	0.61	
Lynd	77	21	48.4	1.01	
Mapleplain	74	26	48.4	1.71	0.5
Milaca	73[d]	19[d]	44.8[d]	2.26	T.
Milan	79	24	47.2	1.00	
Minneapolis *b*	75	27	47.2	1.51	T.
Montevideo	76	23	47.4	1.05	T.
Morris	74	24	47.0	1.67	0.2
Mount Iron	68	17	42.0	2.40	T.
New London	67	24	44.8	1.59	
New Richland	76	29	50.0	1.51	
New Ulm	74	29	50.0	1.45	T.
Park Rapids	69	22	43.8	2.36	
Pine River	72	25	44.7	5.35	T.
Pipestone	73	28	49.4	1.45	T.
Pleasant Mounds	76	28	50.6	0.94	T
Pokegama Falls	72	15	40.9	1.97	
Redwing *a*	.....	.....	.....	2.62	
Redwing *b*	74[e]	30[e]	52.6[e]	2.70	
Reeds	.....	.....	.....	2.56	
Rolling Green	73	28	4.95	0.51	T.
St. Cloud	73	21	47.6	1.63	T.
St. Peter	76	27	49.2	2.62	
Sandy Lake Dam	70	24	43.9	2.31	
Shakopee	75	25	48.4	1.34	
Tower	66	18	42.8	2.70	T.
Two Harbors	68	24	42.8	2.57	
Wabasha	76	29	51.1	2.26	
Willow River	75	22	44.8	2.82	
Winnebago City	75	28	49.6	1.04	0.2
Winona	71	32	50.7	1.77	T.
Worthington	72	25	49.9	0.14	
Mississippi.					
Aberdeen	89	30	62.8	1.56	
Agricultural College	86	37	64.5	2.16	
Austin	83	34	63.2	2.32	
Batesville	83	29	61.7	1.67	
Bay St. Louis	87	46	68.5	7.65	
Biloxi	87	44	69.0	3.61	
Booneville	81	32	62.0	0.63	
Brookhaven	85	33	62.8	1.00	
Canton	85	30	64.7	1.23	
Columbus	83	34	62.0	2.99	
Corinth	83	30	60.8	1.00	
Crystalsprings	87	36	64.7	0.82	
Duck Hill	84	28	62.6	0.57	
Edwards	89	35	67.2	1.98	
Fayette	84	35	64.5	0.65	
Fayette (near) *1	.....	.....	.....	0.53	
Greenville *a*	81	40	64.0	2.48	
Greenville *b*	87	37	65.3	2.52	
Greenwood	85	32	62.8	0.69	
Hattiesburg	90	35	67.4	4.20	
Hazlehurst	88	36	64.8	1.06	
Hernando	82	36	62.0	1.63	
Holly Springs	81	40	62.4	1.22	
Indianola	88	32	63.4	1.00	
Jackson	91	34	65.6	2.95	
Kosciusko	84	33	63.2	1.23	
Lake	84	30	61.8	2.13	
Lake Como	89	31	64.9	1.65	
Laurel [k]	87	36	66.8	0.04	
Leakesville	91	30	66.7	5.75	
Louisville	88	32	64.6	1.42	
Macon	83	33	61.6	0.94	
Magnolia	87	33	65.6	1.29	
Natchez	88	44	67.4	0.97	
Nittayuma	84	34	63.1	0.92	
Okolona	87	30	63.1	0.97	
Palo Alto	84	32	64.0	1.24	
Patmos	.....	.....	.....	0.64	
Pearlington	89	37	67.4	2.63	
Pittsboro	87	28	63.0	0.38	
Pontotoc	83	32	63.2	0.43	
Poplarville	85	40	67.6	4.16	
Port Gibson	87	32	64.2	0.67	
Ripley	82	30	61.3	0.52	
Shoccoe	80	40	64.8	3.76	
Stonington *1	84	40	65.3	0.95	
Suffolk	87	35	65.6	1.41	
Swartwout	86	40	67.3	4.84	
Thornton	84	36	65.3	0.58	
Tupelo	89	30	64.2	0.65	
University	85	36	64.6	0.48	
Walnutgrove	85	34	63.4	1.10	
Watervalley	86	31	65.9	T.	
Waynesboro	89	36	65.8	2.48	
Woodville	84	41	66.1	1.51	
Yazoo City	85	34	64.0	1.00	
Missouri.					
Appleton City	82	32	60.6	1.40	
Arthur	83	30	60.4	1.35	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Missouri—Cont'd.	°	°	°	*Ins.*	*Ins.*
Avalon	84	30	60.5	3.25	
Bethany	78	27	56.4	2.75	
Birchtree	82	32	61.6	1.83	
Boonville	.....	.....	.....	2.10	
Brunswick	82	30	58.9	2.02	
Caruthersville	86	30	63.1	2.52	
Conception	78	34	56.2	3.10	
Darksville	80	36	59.7	2.45	
Dean	86	34	61.0	2.59	
Desoto	83	31	61.5	1.96	
Downing	.....	.....	.....	3.40	
Edgehill *5	76	28	55.6	1.52	
Edwards	84	27	60.3	2.16	
Eightmile *3	.....	33	54.1	1.30	
Eldon	83	26	57.7	2.21	
Fairport	.....	.....	.....	2.97	
Fayette	83	32	61.1	2.66	
Fulton	82	28	59.4	3.19	
Gallatin *1	82	32	59.6	3.33	
Glasgow	82	30	59.6	1.66	
Gorin	.....	.....	.....	2.67	
Grant City	79	29	57.6	2.86	
Halfway	83[e]	32[e]	59.6[e]	2.55	
Harrisonville	82	29	58.3	1.64	
Hazlehurst	.....	.....	.....	2.62	
Hermann	.....	.....	.....	2.87	
Houston	81	29	59.6	2.67	
Huntsville	81	31	59.6	2.72	
Ironton	84	25	59.1	2.10	
Jackson	84	26	60.6	0.87	
Jefferson City	85	28	59.4	2.38	
Joplin	83	36	62.9	2.24	
Kidder	80	29	58.6	2.63	
Lamar	84	32	61.8	1.92	
Lamonte	.....	.....	.....	1.77	
Lebanon	88	30	60.6	2.59	
Lexington	82	31	60.6	2.43	
Liberty	86	28	59.4	1.63	
Louisiana	82	30	58.8	3.06	
Macon	82	29	58.8	3.05	
Marblehill	83	26	60.7	1.14	
Marshall	80	27	59.0	2.45	
Maryville	80	30	55.4	3.05	
Mexico	83	29	59.0	2.43	
Miami *5	81	32	60.2	4.43	
Monroe City	82	31	58.0	2.45	
Montreal	84	26	59.6	3.57	
Mountaingrove	81	29	59.2	2.64	
Mount Vernon	86	35	62.5	3.95	
Neosho	83	34	60.4	2.81	
Nevada	.....	.....	.....	1.35	
New Haven	84	32	61.7	3.06	
New Madrid *b*	.....	.....	.....	1.65	
New Palestine	83	31	60.4	2.12	
Oakfield	82	31	60.5	3.22	
Olden	81	32	60.9	2.49	
Oregon	81	32	58.9	4.72	
Palmyra *5	82	30	58.1	3.31	
Phillipsburg	.....	.....	.....	2.70	
Pine Hill	.....	.....	.....	1.42	
Potosi (near)	83	23	57.6	1.85	
Princeton	78	31	57.0	2.89	
Rockport	.....	.....	.....	3.89	
Rolla	.....	.....	.....	2.46	
St. Charles	82	32	60.8	3.48	
St. Joseph	.....	.....	.....	3.29	
Sarcoxie	.....	.....	.....	2.33	
Sedalia	80	29	60.0	1.33	
Seymour	79	30	58.8	3.40	
Shelbina	.....	.....	.....	2.99	
Sikeston	82	28	61.0	1.05	
Steffenville	81	30	58.6	2.59	
Trenton	77	31	57.5	2.97	
Unionville	76	30	56.4	2.86	
Vichy	83	28	59.4	2.63	
Warrensburg	81	31	60.6	2.07	
Warrenton	82	31	57.0	2.95	
Wheatland	.....	.....	.....	1.91	
Willowsprings	82	27	59.0	2.53	
Windsor	.....	.....	.....	1.42	
Zeitonia	84	29	59.6	2.66	
Montana.					
Adel	72	15	42.8	0.16	1.6
Anaconda	79	23	47.2	T.	
Augusta	80	19	45.8	T.	
Boulder	74	14	44.2	0.40	
Bozeman	74	23	46.2	.....	
Butte	79	28	46.4	0.20	
Canyon Ferry	75	23	47.6	0.30	
Columbia Falls	72	22	44.5	T.	
Crow Agency	77	20	48.2	0.20	
Culbertson	81	18	43.4	0.62	
Deerlodge	74	20	43.0	.....	
Dillon	74	22	45.4	0.16	1.5
Ekalaka	80	22	47.3	.....	
Fort Benton (*a*)	76	20	46.4	.....	
Fort Benton (*b*)	.....	.....	.....	0.04	
Fort Logan	70	19	44.6	0.90	

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.
Montana—Cont'd.	°	°	°	*Ins.*	*Ins.*
Glasgow	80	12	45.2	0.23	
Glendive	85	22	47.0	0.30	2.0
Greatfalls	77	22	48.8	0.07	0.2
Kipp	75	15	43.5	0.30	
Lewistown	81	23	48.4	T.	
Manhattan	74	13	44.7	0.01	
Marysville	81[e]	23[e]	47.7[e]	0.18	T.
Missoula	76	24	48.8	0.25	
Parrot	77	27	47.8	0.35	
Plains	72	26	48.2	0.15	
Poplar	81	19	45.5	0.79	
St. Pauls	81	28	49.0	0.30	T.
St. Peter	74	21	45.8	0.38	0.5
Springbrook	81	21	47.3	0.80	5.5
Toston	76	18	46.0	0.14	
Townsend	78	19	45.6	0.25	
Troy	75	26	47.0	0.63	
Twin Bridges	73[e]	18[e]	43.0[e]	0.30	
Twodot	76	20	44.6	0.50	
Utica	81	23	47.9	0.18	
Yale	78	16	45.5	0.09	
Nebraska.					
Agate	.....	.....	.....	0.68	
Agee*[1]	82	20	50.8	0.99	
Albion	82	19	54.5	2.10	
Alma	83	20	55.5	2.47	
Ames	82	26	55.9	2.41	
Ansley	80	16	50.3	2.24	
Arborville*[1]	82	22	51.8	4.00	
Arcadia	80	24	54.4	0.35	
Ashland *a*	84	26	57.4	3.67	
Ashland *b**[1]	.....	.....	.....	2.40	
Ashton	.....	.....	.....	3.53	
Auburn	83	26	57.8	4.75	
Aurora	78	27	54.7	4.96	
Bartley	.....	.....	.....	1.68	
Beatrice	87	24	57.0	2.59	
Beaver	85	25	55.0	2.06	
Bellevue	.....	.....	.....	2.78	
Benedict	.....	.....	.....	4.01	
Blair	81	26	53.0	2.17	
Bluehill*[1]	78	33	57.2	3.05	
Bradshaw	.....	.....	.....	5.15	
Bridgeport	85	24	50.6	1.04	
Brokenbow	86	18	51.8	1.41	
Burchard	.....	.....	.....	3.51	
Burwell	.....	.....	.....	0.81	
Callaway	83	20	52.1	0.95	
Cedar Rapids	76[g]	18[g]	51.1[g]	2.58	
Central City	.....	.....	.....	3.52	
Chester	.....	.....	.....	2.98	
Cody	.....	.....	.....	0.58	
Columbus	79	22	53.8	3.28	
Crete	83	25	56.8	3.84	
Culbertson	.....	.....	.....	2.07	
Curtis	82[i]	23[i]	53.3[i]	2.45	
Dannebrog	.....	.....	.....	2.43	
Dawson	84	27	57.8	3.79	
Edgar	.....	.....	.....	3.29	
Ericson	.....	.....	.....	1.10	
Ewing	.....	.....	.....	0.53	
Fairbury	87	22	56.0	3.25	
Fairmont	79	23	54.2	3.11	
Fort Robinson	88	24	50.6	0.65	
Franklin	83	20	54.8	3.06	
Fullerton	.....	.....	.....	3.25	
Geneva	84	22	53.8	3.59	
Genoa (near)	76	25	54.0	3.19	
Gering	.....	24	.....	0.66	
Gordon	.....	.....	.....	0.80	
Gosper	.....	.....	.....	2.26	
Gothenburg	83	22	49.8	3.01	
Grand Island *b*	80	22	55.6	4.18	
Greeley	.....	.....	.....	2.00	
Guide Rock	84	22	57.2	2.88	
Haigler	.....	.....	.....	2.36	
Hartington	81	20	53.5	T.	
Harvard	77	28	54.0	3.25	
Hastings*[1]	77	23	54.2	3.87	
Hay Springs	82	20	50.6	0.78	
Hebron	84	24	56.4	3.32	
Hickman	.....	.....	.....	2.18	
Holbrook	.....	.....	.....	1.55	
Holdredge	80	25	56.2	3.66	
Hooper*[1]	80	25	53.6	2.89	
Imperial	84	27	54.0	1.25	
Kearney	88	25	56.8	4.13	
Kennedy	95	19	51.8	1.39	0.5
Kimball	79	28	50.1	0.25	
Kirkwood*[1]	82[d]	22[d]	48.7[d]	0.66	T.
Laclede	80	24	55.7	3.83	
Lexington	82	21	54.6	3.66	
Loup	87	18	53.5	3.50	
Lynch	90	14	55.9	0.32	
Lyons	.....	.....	.....	1.62	
McCook	84	30	53.4	1.11	
McCool Junction	.....	.....	.....	3.37	
Madison	79	23	54.8	1.46	
Nebraska—Cont'd.	°	°	°	*Ins.*	*Ins.*
Madrid	88	25	54.6	0.75	
Marquette	.....	.....	.....	4.46	
Minden *b*	80	23	54.0	2.94	
Monroe	.....	.....	.....	2.97	
Nebraska City *b**[1]	82	30	58.0	3.74	
Nemaha	.....	.....	.....	3.40	
Nesbit [c]	86	21	52.2	1.36	
Norfolk	84	18	54.0	1.06	
North Loup	85	18	54.6	2.24	
Oakdale	80	18	52.2	0.76	
Odell	.....	.....	.....	3.50	
O'Neill	84	21	55.0	0.61	
Ord	.....	.....	.....	1.45	
Osceola	.....	.....	.....	3.60	
Palmer	.....	.....	.....	3.00	
Palmyra*[1]	86	26	55.2	2.57	
Pawnee City	.....	.....	.....	4.16	
Plattsmouth *b*	82	25	57.2	1.75	
Purdum	88	22	53.2	1.95	
Ravenna *a*	80	20	54.0	3.95	
Ravenna *b*	.....	.....	.....	3.40	
Redcloud	82	24	56.4	2.91	
Republican*[1]	82	26	57.4	2.24	
Rulo	.....	.....	.....	4.54	
St. Libory	.....	.....	.....	3.77	
St. Paul	83	21	54.6	3.26	
Salem*[1]	82	34	6[illegible].1	3.78	
Santee	82	22	54.2	0.48	
Schuyler	.....	.....	.....	2.95	
Seward	94	24	55.2	3.60	
Smithfield	.....	.....	.....	2.80	
Spragg	.....	.....	.....	1.27	
Springview	79	23	50.8	0.52	
Stanton	82	19	55.0	1.08	
Strang*[1]	82	28	55.8	2.55	
Stratton	.....	.....	.....	1.60	
Superior	82	24	54.2	3.52	
Syracuse	.....	.....	.....	2.92	
Tablerock	.....	.....	.....	2.09	
Tecumseh *b*	83	28	58.0	4.40	
Tekamah	84	27	56.0	1.42	
Turlington	82	27	56.7	3.58	
University Farm	85	22	57.0	2.84	
Wakefield	82	19	53.0	0.72	
Wallace	.....	.....	.....	1.25	
Weeping Water	79	21	53.0	2.81	
Westpoint	84	23	55.4	2.13	
Wilber*[1]	82	32	54.5	3.68	
Wilsonville	.....	.....	.....	2.56	
Winnebago	.....	.....	.....	0.97	
Wisner	.....	.....	.....	1.28	
Wymore	.....	.....	.....	2.99	
York	81	32	56.7	3.53	
Nevada.					
Amos	76	14	45.6	0.00	
Battle Mountain	90	15	53.0	0.10	
Beowawe*[1]	82	20	53.1	0.40	
Belmont	69	21	46.0	0.65	
Butler	74	20	45.8	0.60	1.0
Candelaria	83	35	54.2	0.03	
Carson City	78	20	49.9	0.49	
Cranes Ranch	.....	.....	.....	0.24	
Elko (near)	80	16	45.6	T.	
Ely	72	21	45.0	0.43	4.1
Eureka	75	22	49.8	0.40	3.0
Fenelon*[1]	70	30	51.5	T.	T.
Golconda*[1]	75	32	50.4	T.	
Halleck*[1]	83	18	41.9	0.10	
Hawthorne	80	30	55.5	0.00	
Humboldt	76	20	49.8	T.	
Lee	.....	.....	.....	0.45	
Lewers Ranch	77	29	51.4	1.71	T.
Lovelocks	78	31	53.4	0.00	
Martins	79	20	50.6	0.37	
Mill City*[1]	80	29	52.8	0.00	
Monitor Mill	72	13	45.6	0.38	5.0
Morey	78	22	50.2	1.10	
Palisade	84	21	48.8	0.39	
Palmetto	76	24	48.6	0.48	T.
Potts	75	13	44.6	0.15	2.0
Reno State University	76	28	50.7	0.10	
Rioville	97	39	69.2	0.00	
Silverpeak	80	28	54.2	0.20	
Sodaville	82	27	54.4	T.	
Tecoma	77	21	46.7	T.	
Toano*[1]	72	27	46.6	0.15	
Wabuska	80	14	47.2	0.15	
Wadsworth	75	24	50.9	0.00	
Wood	79	20	47.2	0.28	
New Hampshire.					
Alstead	66	23	47.4	4.77	T.
Berlin Mills	72	15	44.7	3.43	0.2
Bethlehem	66	19	43.5	5.09	0.5
Brookline*[1]	74	21	49.0	6.13	T.
Chatham	71	17	44.3	5.15	
Concord	73	20	47.7	4.41	T.
Durham	75	24	50.2	4.61	T.
Franklin Falls	72	24	47.4	4.95	
New Hampshire—Cont'd.	°	°	°	*Ins.*	*Ins.*
Grafton	72	17	44.0	4.09	T.
Hanover	72	20	46.2	4.23	
Keene	76	19	48.4	4.14	T.
Littleton	66	19	44.2	4.64	T.
Nashua	78	24	51.2	5.96	
Newton	75	22	49.2	5.24	T.
Peterboro	72	20	48.2	4.88	T.
Plymouth	70	20	46.0	4.27	T.
Sanbornton	73	21	46.8	4.13	T.
Stratford	70	16	44.2	4.06	2.0
New Jersey.					
Asbury Park	76	29	57.9	6.69	
Barnegat	80	25	57.9	7.93	
Bayonne	79	32	57.2	6.77	T.
Belvidere	76	26	55.0	5.62	T.
Bergen Point	77	30	56.1	7.37	
Beverly	78	26	56.9	7.55	
Blairstown	74	24	52.6	5.13	
Bridgeton	80	29	58.6	4.61	
Camden	77	35	57.8	7.07	
Canton	.....	.....	.....	5.66	
Cape May C. H	77	27	59.0	5.37	T.
Charlotteburg	72	26	53.5	6.06	T.
Chester	73	23	52.3	6.90	T.
Clayton	78	26	56.8	5.63	
College Farm	76	27	55.9	7.76	
Culvers Lake	.....	.....	.....	5.60	T.
Dover	74	24	51.7	6.08	
Egg Harbor City	76	25	57.0	6.36	T.
Elizabeth	75	29	56.5	7.15	
Englewood	74	32	56.0	6.73	
Flemington	76	26	55.7	6.46	
Freehold	75[g]	28[g]	55.2[g]	.....	
Friesburg	78	27	56.8	6.28	
Hanover	74	25	53.2	6.60	T.
Hightstown	74	28	55.7	9.35	
Imlaystown	75	30	56.8	6.74	
Indian Mills	80	23	56.9	5.61	
Lakewood	75	28	56.8	5.92	
Lambertville	75	27	56.3	6.12	T.
Layton	73	20	51.6	4.68	T.
Moorestown	76	27	56.7	7.59	
Mount Pleasant	.....	.....	.....	5.90	
Newark	76	29	55.2	7.06	T.
New Brunswick	77	28	56.4	7.80	T.
New Egypt	.....	.....	.....	5.38	
Newton	74	25	52.8	5.54	
Oceanic	72	31	56.9	6.50	
Paterson	76	31	56.8	5.64	T.
Pemberton	75	25	56.0	5.89	
Perth Amboy	75	30	56.1	7.75	
Piscataway	.....	.....	.....	7.22	T.
Plainfield	76	24	54.2	7.24	T.
Rancocas	.....	.....	.....	7.10	
Ringwood	75	21	53.7	5.15	T.
Rivervale	74	22	53.4	3.96	
Roseland	75[g]	24[g]	54.2[g]	6.08	T.
Salem	80	28	58.0	6.85	
Somerville	76	24	54.4	6.71	
South Orange	72	28	53.6	6.97	T.
Sussex	73	25	53.0	5.29	T.
Three Bridges	.....	.....	.....	6.21	
Toms River	.....	.....	.....	4.66	T.
Trenton	74	37	58.2	7.32	
Tuckerton	79	23	58.0	7.93	
Vineland	78	25	57.1	5.37	
Woodbine	76	24	57.3	5.68	T.
Woodstown	.....	.....	.....	6.23	
New Mexico.					
Alamagordo	84	33	60.6	0.65	
Albert	86	35	60.0	0.47	
Albuquerque	79	34	56.5	T.	
Bellranch	.....	.....	.....	0.36	
Bluewater	78	19	48.6	T.	
Cambray	.....	.....	.....	0.02	
Carlsbad	100	37	67.5	1.43	
Cloudcroft	61	25	44.3	0.14	1.0
Deming	.....	.....	.....	0.01	
Dorsey	83	20	52.2	T.	T.
East View	75	27	52.7	0.37	
Espanola	80	23	52.3	0.16	
Folsom	77	24	49.3	0.69	2.0
Fort Bayard	79	32	57.2	0.26	
Fort Stanton	77[e]	24[e]	52.5[e]	1.81	
Fort Union	84	23	52.4	0.42	T.
Fort Wingate	77	27	53.4	0.06	
Gage	.....	.....	.....	0.10	
Galisteo	79	24	52.0	0.00	
Gallinas Spring	78	31	55.8	0.70	
Las Vegas	82	25	51.6	0.47	
Las Vegas Hot Springs	78	29	53.0	0.63	T.
Lordsburg	.....	.....	.....	0.13	
Mesilla Park	87	30	60.8	T.	
Raton	78	30	52.2	0.00	
Roswell	90	35	60.1	1.36	
Strauss	.....	.....	.....	0.30	
Taos	77	25	52.4	0.30	
Winsors	77	15	43.2	1.22	7.0

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.
New York.	°	°	°	*Ins.*	*Ins.*
Adams				4.60	T.
Addison	74	23	50.6	2.84	T.
Adirondack Lodge	65	15	40.9	6.60	5.9
Akron				2.61	
Alden	69	28	50.9	3.73	T.
Amsterdam				3.18	
Angelica	75	20	51.0	2.06	0.2
Appleton	72	27	51.0	2.08	T.
Arcade	76[d]	20[d]	47.0[d]	4.39	1.0
Athens	72	30	51.6	3.74	T.
Atlanta	72	23	48.1	3.25	T.
Auburn	74	28	49.8	3.71	T.
Avon	74	23	50.6	2.36	
Axton	70	14	41.4	7.26	T.
Baldwinsville	74	29	50.2	2.78	T.
Bedford	71	26	53.6	6.19	T.
Blue Mountain Lake				4.25	T.
Bolivar	73	17	49.4	2.68	T.
Bouckville	70	24	47.2	5.59	2.0
Brockport	74	25	50.0	2.13	
Caldwell	69	24	48.3	4.88	T.
Canaan Four Corners	68	24	48.2	4.57	T.
Canajoharie	75	22	49.2	3.90	T.
Carmel	73	25	52.2	6.32	T.
Carvers Falls	73	22	45.2	4.84	
Cedarhill	72	27	51.8	2.62	T.
Cooperstown	70	24	47.0	4.00	T.
Cortland	71	25	49.8	3.59	
Cutchogue	75	32	55.6	5.56	T.
Dekalb Junction				2.53	T.
Easton				3.92	
Elba	65	29	47.6	2.67	T.
Elmira	75	26	51.5	3.30	
Fayetteville	72	27	49.8	4.08	T.
Franklinville	78	22	50.5	3.59	0.5
Gansevoort				6.12	
Glens Falls	71	24	49.4	4.44	T.
Gloversville	70	22	47.0	4.22	
Greenwich	71[e]	22[e]	48.8[e]	3.90	T.
Griffin Corners	71	17	47.6	4.84	T.
Harkness	71	20	46.5	2.95	T.
Haskinville				2.76	
Hemlock	67	29	50.0	2.68	
Honeymead Brook	70	24	50.8	4.12	T.
Humphrey	67	27	49.4	3.50	0.8
Indian Lake	69	12	43.4	5.42	T.
Ithaca	73	27	49.2	3.36	T.
Jamestown	75	23	51.4	2.91	T.
Keene Valley	70	18	44.8	5.75	0.2
King Ferry				4.61	T.
Liberty	79	20	48.4	3.73	T.
Littlefalls, City Res.	72	26	48.3	4.40	
Lockport	71	29	50.7	2.60	T.
Lowville	69	20	45.4	4.15	
Lyons	74[e]	29[e]	51.0[e]	2.79	
Middletown	71	29	52.6	4.48	T.
Mohonk Lake	68	30	50.1	5.90	T.
Moira	70	21	45.4	2.44	T.
Mount Etrick	68	26[d]	49.4	3.69	T.
Newark Valley				3.59	T.
New Lisbon	71	17	45.6	4.11	1.0
North Hammond	66	24	47.6	2.11	0.1
Number Four	66	14	43.8	5.26	1.5
Ogdensburg	66	23	45.8	2.40	T.
Old Chatham				3.62	
Oneonta	74	22	49.4	4.91	T.
Oxford	70	22	48.1	4.80	T.
Penn Yan	73	30	50.2	2.32	T.
Perry City	70	23	47.6	4.03	T.
Plattsburg	69	19	47.4	2.95	T.
Port Jervis	74	25	52.2	5.39	
Primrose	73	25	53.7	6.60	T.
Redhook				3.95	
Richmondville	72	23	48.4	3.81	T.
Ridgeway	70	29	50.2	2.28	0.2
Rome	72	26	49.6	4.70	T.
Romulus	71	29	50.4	3.57	T.
Salisbury Mills				5.06	
Saranac Lake	68	18	44.0	2.64	T.
Saratoga				4.78	T.
Scottsville				2.29	
Setauket	71	35	55.8	7.32	
Shortsville	73	28	50.8	2.22	T.
Skaneateles				4.71	
Southampton	73	30	55.4	5.97	T.
South Canisteo	79	22	49.5	1.49	T.
South Kortright	71	18	47.4	5.14	1.0
South Schroon	68	19	44.2	5.26	T.
Speer Falls	70	25	49.2	5.06	
Straits Corners	72[d]	21[d]	47.7[d]	4.23	0.2
Ticonderoga	69	24	47.7	3.19	T.
Volusia	81	28	49.8	4.01	
Walton	73	20	49.0	4.03	0.5
Wappinger Falls	73	27	51.8	4.57	T.
Warwick				5.35	
Watertown	67	23	48.1	4.00	T.
Waverly	75	22	50.4	3.46	T.
Wedgwood	72	26	48.2	3.41	T.
New York—Cont'd.					
Wells	72	19	46.3	6.41	T.
West Berne	79	20	49.2	3.66	T.
West Chazy	71	23	45.7		
Westfield *c*	67	29	51.7	3.10	
Windham	72	20	48.6	3.25	T.
Wolcott	72	24	49.6	2.96	1.5
Youngstown				1.52	T.
North Carolina.					
Brevard	78	26	54.4	4.70	
Bryson City				1.71	
Chapelhill	84	34	62.8	3.83	
Cranberry	70	30	53.3	2.89	
Currituck				2.38	
Edenton	85	35	62.7	4.27	
Fayetteville	86	34	64.8	2.00	
Flatrock	78	26	56.2	4.28	
Goldsboro	83	35	62.8	4.48	
Graham				4.25	
Greensboro	82	36	60.6	5.61	
Henderson	80	36	61.0	1.65	
Hendersonville	81	27	58.1	4.26	
Henrietta	84	33	61.2	3.34	
Highlands	79	23	52.7	1.65	T.
Horse Cove	73	28	56.9	4.15	T.
Hot Springs	79	33	59.4		
Kinston	84	31	62.9	5.13	
Kittyhawk	78	47	66.8	4.96	
Lenoir	84	31	58.3	4.82	
Lexington	79	34	60.0	5.23	
Linville	69	21	48.7	3.90	2.0
Littleton	82	32	61.1	2.12	
Louisburg	88	31	62.4	3.00	
Lumberton	85	36	63.6	4.44	
Marion	82	31	60.0	3.38	
Marshall	76[j]	28[j]	55.8[j]	1.67	
Mocksville	85	31	59.8	3.23	
Moncure	88	29	61.6	2.45	
Monroe	85	29	60.6	5.54	
Morganton	81	30	59.3	5.86	
Mountairy	80	29	58.0	3.63	
Murphy				1.89	
Newbern	85	37	65.2	3.99	
Patterson*[1]	76	28	54.6	3.78	
Penelo	85	31	63.4	3.70	
Pittsboro	88	30	62.8	2.22	
Red Springs	90	33	66.2	4.85	
Reidsville	85	32	61.4	4.43	
Rockingham	83	34	62.9	2.22	
Roxboro	86	33	62.4	4.63	
Salem	80	31	59.0	5.05	
Salisbury	85	34	62.1	4.99	
Saxon	88	28	59.6	5.56	
Selma	85	32	62.8	2.75	
Settle	81	34	60.4	3.84	
Sloan	87[d]	34[d]	65.0[d]	6.04	
Soapstone Mount	82	28	59.4	4.23	
Southern Pines *a*	86	35	65.6	2.92	
Southern Pines *b*	83	35	64.6	2.82	
Southport	85	42	69.4	1.93	
Springhope	85	36	62.8	2.15	
Statesville	83	29	60.0	3.86	
Tarboro	88	32	65.2	3.17	
Washington	86	37	66.0	4.24	
Waynesville	83	28	57.8	1.34	
Weldon *a*	79	35	61.6	3.19	
Weldon *b*				3.09	
North Dakota.					
Amenia	77	20	44.4	2.52	T.
Ashley	76	16	43.2	0.72	0.5
Berlin	73	20	44.2	0.97	3.0
Bottineau	79	15	41.0	1.00	
Buxton	73	20	44.6	1.47	
Churchs Ferry	79	19	43.0	1.03	1.1
Coalharbor	75	21	43.6	0.79	
Devils Lake	80	19	44.0	0.92	
Donnybrook				0.69	
Edgeley	82	21	46.8	0.91	3.5
Ellendale	77	20	46.9	1.00	
Fargo	78	12	44.6	5.17	
Forman	69[f]	21	40.0[e]	1.61	
Fort Yates	77	20	46.2	1.15	0.6
Fullerton	78	20	44.8	0.93	2.0
Gallatin	75	18	41.1	0.66	0.2
Glenullin	74	20	44.8	1.18	2.5
Grafton	76	19	43.0	1.15	T.
Hamilton	82	15	43.0	0.90	T.
Hannaford	79	20	43.3	1.92	T.
Jamestown	80	21	43.6	1.88	
Larimore	80	18	42.5	1.48	
McKinney	73	10	42.0	0.20	
Medora	79	19	44.8	0.10	1.0
Melville	87[e]	20[d]	45.0[e]	1.64	
Milton	79	16	40.6	0.80	
Minnewaukon	77	20	43.6	0.99	1.0
Minot	79	20	46.6	0.13	
Minto	79	16	42.3	1.31	
Napoleon	77	18	44.8	1.15	4.0
New England	78	16	43.0	0.75	1.0
North Dakota—Cont'd.					
Oakdale	76	26	47.8	0.62	4.0
Pembina	80	15	41.7	1.33	
Power	78	23	44.4	4.81	
Steele	75[e]	18[e]	42.8[e]	1.56	1.0
University	73	20	42.8	1.98	
Valley City	77	22	45.0	0.80	T.
Willow City	76	14	40.0	0.50	
Woodbridge	80	10	40.5	1.25	
Ohio.					
Akron	75	31	53.0	1.33	
Atwater	70	28	51.3	2.09	0.5
Bangorville	78	23	52.5	2.40	T.
Bellefontaine	78	31	53.3	1.85	
Benton Ridge	78	29	54.4	2.13	T.
Bethany	80	32	58.6	2.66	
Binola				2.11	T.
Bladensburg	78	25	52.5	1.44	
Blaine				2.75	
Bloomingburg				1.51	
Bowling Green	76	29	53.2	2.94	
Bucyrus	80	28	53.8	1.87	
Cambridge	79	26	55.6	2.75	
Camp Dennison	83	30	56.8	3.16	
Canal Dover	76	25	52.5	1.53	
Canton	75	30	52.6	1.56	
Cardington	76	26	53.0	1.60	
Cedarville				2.29	
Centerburg				2.12	
Circleville	82	33	57.2	1.96	
Clarksville	80	30	57.5	2.69	
Cleveland *a*	75	35	54.0	3.42	
Cleveland *b*	76	32	53.1	2.44	
Clifton	79	31	56.4	2.48	
Coalton	88	27	57.4	2.55	
Colebrook	75[e]	27[e]	52.4[e]	1.50	T.
Coolville				1.72	
Coshocton				1.51	
Dayton *a*				3.99	
Dayton *b*	80	31	56.4	3.25	
Defiance	78	27	53.4	5.24	
Delaware	80	29	53.9	2.41	
Demos	74	30	55.0	1.80	
Dunham				1.47	
Dunkirk				1.71	
Elyria	77	31	53.6	3.42	
Findlay	81	28	55.8	1.78	
Fort Recovery				2.78	
Frankfort	79	31	55.6	2.04	
Fremont	80	30	54.6	2.22	T
Galigher				3.01	
Garrettsville	76	24	52.1	1.88	T.
Granville	79	29	55.1	3.06	
Gratiot	79	28	53.7	2.65	
Green	81	31	57.5	1.85	
Greenfield	78	34	56.6	2.42	
Greenhill	77	23	51.8	1.20	T.
Greenville	77	31	55.9	3.29	
Hanging Rock	83	29	59.2	1.62	
Hedges	77	28	53.8	3.45	
Hillhouse	75	25	51.0	5.21	
Hiram	75	29	53.0	2.06	0.5
Hudson	74	21	51.5	2.23	0.8
Jacksonboro	82	30	55.2	4.19	
Killbuck	77	29	54.0	1.29	
Lancaster	80	31	55.6	1.90	
Lima	76	30	54.9	1.93	
McConnellsville	80	28	56.2	2.67	
Manara	77	30	54.7	2.47	
Mansfield				1.46	
Marietta	76	34	57.4	1.73	
Marion	79	28	54.5	1.69	
Medina	79	29	53.6	2.06	
Milfordton	77	26	53.4	1.78	
Milligan	80	25	55.2	2.33	
Millport	76	23	52.1	1.84	T.
Montpelier	75	28	52.6	1.64	T.
Napoleon	78	31	55.6	2.73	
New Alexandria	79	30	55.7	2.60	
New Berlin	75	27	50.2	1.58	
New Bremen	76	30	54.7	3.08	
New Lexington				1.70	
New Richmond	84	34	59.6	2.62	
New Waterford	72	25	51.0	2.74	
North Lewisburg	78	31	55.5	2.75	
North Royalton	75	31	53.3	2.10	
Norwalk	78	30	53.7	2.19	
Oberlin	78	31	53.6	2.40	
Ohio State University	78	29	53.6	2.48	
Orangeville	75	23	52.4	0.97	T.
Ottawa	79	30	54.7	2.24	
Pataskala	79	30	54.8	2.07	
Philo	80	32	57.8	2.30	
Plattsburg	80	28	55.2	2.57	
Pomeroy	79	32	57.6	1.44	
Portsmouth *a*				2.33	
Portsmouth *b*	81	33	58.6	1.84	
Pulse				2.29	
Redlion				3.50	

AL OFFICE RARY

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.
Richfield				2.56	T.
Richwood	80	29	55.0	1.52	
Ripley	80	30	57.6	1.99	
Rittman	76	30	53.0	1.06	
Rockyridge	79	28	54.2	2.62	
Shenandoah	80	29	53.0	1.37	
Sidney	79	32	56.4	2.87	
Somerset	80	30	57.6	2.34	
Springfield				2.92	
Strongsville				3.03	
Swanton				3.89	
Thurman	82	31	57.6	1.67	
Tiffin	80	31	54.5	1.84	
Upper Sandusky	79[g]	29[g]	55.4[g]	1.81	
Urbana	76	29	52.9	2.66	
Vickery	80	30	54.3	2.03	
Wadsworth				1.45	
Walnut				1.93	
Warren	77	27	52.8	1.79	
Warsaw	78	23	52.4	1.55	
Wauseon	80	27	53.6	2.07	
Waverly	83	29	57.8	2.12	
Waynesville	78	30	55.7		
Wellington	77	30	53.8	1.69	
Williamstown				1.79	
Willoughby				5.71	
Wooster	77	27	54.0	1.52	T.
Zanesville				2.44	
Oklahoma.					
Ames	88	29	62.8	0.88	
Beaver	90	29	59.4	0.84	
Blackburn	89	34	60.6	2.50	
Burnett	86	34	62.6	1.50	
Chandler	86	39	62.6	1.64	
Cleo	91	28	62.9	1.19	
Clifton	87	32	62.9	1.14	
Cloud Chief	87	34	62.9	1.36	
Enid	87[g]	36[g]	62.1[g]	1.00	
Fort Reno	86	33	61.0	0.80	
Fort Sill	84	36	63.6	3.00	
Guthrie	87	38	64.3	1.15	
Hennessey	86	34	64.1	1.10	
Jefferson	92	32	63.2	1.04	
Jenkins	89	33	62.4	1.33	
Kingfisher	87	35	64.4	2.90	
Mangum	85	42	64.4	2.15	
Newkirk	85	37	62.7	1.02	
Norman	85	37	63.2	1.76	
Pawhuska	86	36	61.1	1.64	
Perry	86	34	62.7	1.14	
Sac and Fox Agency	85	37	61.9	1.00	
Shawnee	88	40	63.2	1.30	
Stillwater	85	36	61.2	0.92	
Taloga	88	32	62.4	1.07	
Ural	85	33	62.2	1.25	
Waukomis	88	35	63.4	1.45	
Weatherford	90	37	63.9	0.85	
Oregon.					
Albany *b*				1.43	
Alpha	83	31	54.8	3.31	
Arlington	80	33	55.8	0.34	
Ashland	86	30	54.5	0.33	
Aurora *1	80	40	56.0		
Aurora (near)	82	36	53.6	2.14	
Bay City	80	40	53.9	5.34	
Bend	77	20	45.6	0.19	
Beulah	83	18	48.8	0.46	T.
Blackbutte	72	35	51.6	2.35	
Blalock	81	28	57.6	0.39	
Brownsville *1	74	40	54.7	1.32	
Bullrun				1.69	
Cascade Locks	80	39	55.8	2.69	
Comstock *1	78	35	51.5	1.88	
Coquille				2.44	
Corvallis	83	35	53.6	1.71	
Dayville	83	26	52.1	0.40	
Detroit	81	32	52.4	3.00	
Doraville	81	38	53.0	2.23	
Ella				0.37	
Eugene	80	36	54.4	1.76	
Fairview	91	33	54.6	2.65	
Falls City	78	35	51.3	3.55	
Forestgrove	87	34	54.9	2.15	
Gardiner	86	39	56.9	4.54	
Glenora	76	35	51.8	6.60	
Government Camp	73	30	48.2	3.75	4.0
Grants Pass	91	29	52.8	1.19	
Grass Valley	77	26	48.6	0.52	
Heppner	81	32	54.4	0.76	
Hood River (near)	84	33	54.2	1.30	
Huntington	83	26	55.1	0.50	
Jacksonville	88	32	55.0	0.75	
Joseph	79	22	46.6	0.68	T.
Junction City *1	78	42	57.2	1.00	
Kerby	87	27	52.3	2.95	
Klamath Falls	83[c]	19[c]	4.74[c]	0.85	
Lafayette *1	83	39	54.9	2.06	
Lagrande	81	27	50.6	0.94	
Oregon—Cont'd.					
Lakeview	79	17	43.0	1.17	
Lonerock	79	29	52.2	0.49	
McKenzie Bridge	91	30	53.6	2.70	
McMinnville	84	36	54.6	2.59	
Merlin	85	32	52.6	0.84	
Monmouth *b* *1	80	40	54.3	1.15	
Monroe	83	34	54.8	2.08	
Mount Angel	81	36	54.2	2.81	
Nehalem				5.41	
Newberg	86	35	54.3	2.15	
Newport	81	41	55.2	2.92	
Pine	92	17	52.4	0.51	
Placer				1.86	
Prineville	89	22	52.4	0.36	
Riddles *1	95	39	55.1	0.39	
Riverside	84[h]	11[h]	49.8[h]	0.21	
Salem *b*	86	23	53.6	1.07	
Sheridan *1	70	45	55.1	1.90	
Silverton	82	46	57.5	1.52	
Siskiyou *1	80	36	54.0	1.32	
Sparta	75	24	50.5	0.52	
Springfield	68	38	49.8	1.26	
The Dalles	79	35	54.8	0.78	
Toledo	90	37	56.7	3.06	
Umatilla	84	39	56.4	0.21	
Vale	81	19	48.6	0.54	
Wamic	78	26	51.8	0.80	
Warm Spring	83	26	52.4	0.30	
Westfork *1	70	36	53.3		
Weston	76	28	51.3	1.22	
Williams	84	29	52.6	0.60	
Pennsylvania.					
Aleppo	77	27	55.9	2.95	T.
Altoona	78	22	53.0	4.36	T.
Athens	79	24	51.2	3.08	T.
Beaver Dam				3.25	
Bellefonte	76	27	54.5	3.49	
Brookville				2.93	
Browers				6.39	
California	80	26	57.4	4.21	
Cassandra	70	24	50.4	5.73	2.0
Centerhall	76	23	51.2	5.20	
Clarion				3.48	
Coatesville	80	27	55.8	6.78	
Confluence				4.45	
Davis Island Dam				2.61	
Derry Station	78	26	55.8	5.17	T.
Doylestown				7.77	
Driftwood				2.15	
Dushore	70	20	48.1	3.37	T.
Dyberry	74	20	48.4	4.77	T.
East Bloomsburg				5.91	
East Mauch Chunk	75	23	51.8	5.85	T.
Easton	72	28	53.8	5.35	
Ellwood Junction				3.16	
Emporium	72	24	50.9	2.06	T.
Ephrata	77	27	55.9	7.42	
Everett	79[d]	23[d]	52.7[d]	4.18	T.
Franklin	75	23	52.0	2.42	T.
Freeport				3.35	
Girardville				6.92	T.
Greensboro				3.79	
Hamburg	74	25	54.2	3.98	
Hamlinton	72	23	49.0	4.69	
Herrs Island Dam				3.10	
Huntingdon *a*				5.30	
Huntingdon *b*	89	24	54.7	5.67	
Irwin	76	22	52.4	3.87	T.
Johnstown	78	26	55.4	4.58	T.
Kennett Square	74	28	55.2	8.12	T.
Lansdale				5.39	
Lawrenceville	78[c]	20[c]	49.5[c]	2.22	T.
Lebanon	76	26	54.8	5.93	T.
Leroy	73	24	49.3	3.29	T.
Lewisburg	73	27	52.4	4.86	
Lockhaven *a*	74	26	54.2	3.93	T.
Lockhaven *b*				4.43	
Lock No. 4				4.58	
Lycippus	76	30	54.4	4.12	
Mifflin				4.97	
Oil City				2.74	
Ottsville				5.38	
Parker				3.54	
Philadelphia	76	35	58.0	8.11	
Pocono Lake	68	20	48.9	5.69	
Point Pleasant				5.88	
Pottsville				6.04	
Quakertown	76	25	54.9	5.68	T.
Reading [2]			53.4	4.50	
Renovo *a*	76	27	52.8	2.68	
Renovo *b*				2.77	
Saegerstown	74	20	50.6	3.99	T.
St. Marys	78	23	49.8	1.65	
Saltsburg				3.43	
Seisholtzville				6.05	
Selinsgrove	75	26	54.2	4.90	T.
Shawmont				6.29	
Smethport	72	19	49.2	2.12	
Pennsylvania—Cont'd.					
Somerset	76	24	51.8	4.25	T.
South Bethlehem	74	29	54.1	5.90	
South Eaton	74	25	52.2	7.05	
Spring Mount				6.26	
State College	71	28	51.6	4.25	
Sunbury				4.70	
Swathmore	72	30	55.2	7.42	
Towanda	74	23	51.2	3.35	T.
Troutrun				3.96	
Uniontown	75	32	57.2	3.65	
Warren	73[f]	24	53.0[c]	2.89	0.3
Wellsboro	75	24	50.4	2.14	T.
Westchester	76	31	56.4	7.92	
West Newton				5.25	
Wilkesbarre	75	26	51.9	4.29	T.
Williamsport	70	26	54.0	2.10	T.
York	79	27	55.5	6.40	T.
Rhode Island.					
Bristol	72	33	54.6	4.06	
Kingston	75	24	52.0	4.26	
Narragansett	76	26	53.8	4.54	
Pawtucket	78	30	54.0	4.29	
Providence *a*	74	33	54.4	4.57	
Providence *c*	74	30	52.9	4.83	
South Carolina.					
Aiken	98	35	69.6	4.42	
Allendale	88	40	66.7	5.33	
Anderson	86	36	63.6	2.24	
Barksdale	86[1]			3.10	
Batesburg	89	39	62.5	7.34	
Beaufort	87	44	69.7	7.32	
Bennettsville	86	34	65.6	2.73	
Blackville	87	38	66.2	4.88	
Bowman	86	35	65.8	4.80	
Calhoun Falls				3.38	
Camden				4.31	
Cheraw *a*	86	36	63.6	3.53	
Cheraw *b*				3.52	
Clemson College	85	30	60.8	3.14	
Conway	87	35	66.2	5.94	
Darlington	90	34	65.2	2.96	
Duewest	82	36	64.2	3.25	
Edisto				3.59	
Effingham				5.97	
Florence	87	38	65.2	3.79	
Gaffney	86	35	62.7	5.28	
Georgetown	87	43	68.0	3.95	
Gillisonville	84	37	66.3	5.23	
Greenville	79	34	59.0	3.39	
Greenwood	87	33	62.4	4.58	
Heath Springs	95	32	62.8	5.32	
Kingstree *a*	83	38	64.3	3.02	
Kingstree *b*				3.43	
Liberty	86	33	61.2	3.31	
Little Mountain	86	38	64.6	5.93	
Longshore	85	35	63.8	4.59	
Lugoff	86	36	65.1	4.93	
Pinopolis *1	82	45	67.1	4.72	
St. Georges	85	40	66.0	2.69	
St. Matthews	85	40	65.6	5.07	
St. Stephens				3.95	
Saluda	88	34	63.5	4.56	
Santuck	86	33	62.4	7.25	
Seivern	93	32	64.1	4.04	
Smiths Mills				3.50	
Society Hill	84	39	64.0	2.82	
Spartanburg	82	35	61.2	4.36	
Statesburg	85	39	65.9	3.83	
Summerville	84	40	65.6	5.13	
Sumter	90	38	65.6	6.56	
Temperance				3.07	
Trenton	84	36	64.0	4.75	
Trial	88	35	64.3	4.31	
Winnsboro	86	38	64.4	7.34	
Winthrop College	83	36	63.0	4.69	
Yemassee	85	40	66.3	4.05	
Yorkville	84	39	64.6	5.36	
South Dakota.					
Aberdeen	88	20	46.0	2.65	
Academy	81	18	51.8	0.60	
Alexandria	82	18	52.6	1.70	
Armour	86	17	50.4	0.58	
Ashcroft	87	18	48.0	0.44	T.
Bad Nation				0.21	T.
Bowdle	80	15	47.2	0.50	
Brookings	78	20	47.5	1.18	T.
Canton	82	21	51.8	0.05	T.
Centerville				0.32	
Chamberlain	84	22	51.7	0.45	
Clark	78	25	50.0	0.85	T.
Desmet	76	24	49.1	1.50	T.
Doland	76	15	48.0	0.53	T.
Elkpoint	86	20	54.6	0.25	T.
Farmingdale				0.38	
Faulkton	78	15	47.4	0.41	
Flandreau	77	22	49.8	1.38	T.
Forestburg	83	19	49.5	1.36	T.
Fort Meade	80	20	52.0	0.10	

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 Dakota—Cont'd.	°	°	°	*Ins.*	*Ins.*
Gannvalley	84	17	51.2	0.72	
Gary	80	25	49.9	0.70	
Gettysburg	.....	.....	.....	1.50	T.
Grand River School	83	12	47.6	0.43	T.
Greenwood	85	20	53.8	0.38	
Highmore	.....	.....	.....	0.20	
Hotch City	84	15	50.2	T.	
Howard	80	22	50.5	2.70	
Howell	81	12	47.3	0.43	
Ipswich	78	15	46.3	0.52	T.
Kimball	79	22	50.8	0.59	T.
Leola	.....	.....	.....	0.43	0.3
Leslie	85	15	47.8	0.95	
Marion	80	19	51.1	0.65	
Mellette	80	14	47.9	0.54	T.
Menno	81	16	52.2	0.57	
Millbank	84	24	49.6	1.29	
Mitchell	82	21	51.8	1.57	
Oelrichs	.....	.....	.....	0.47	
Pedro	82	15	50.0	3.10	
Pine Ridge	82	21	48.6	0.58	1.0
Ramsey	91	19	48.2	1.35	T.
Redfield	81	14	46.8	0.40	
Rosebud	82	22	51.5	0.76	T.
Silver City	.....	.....	.....	0.22	T.
Sioux Falls	79	27	50.7	0.85	T.
Sisseton Agency	75	24[d]	45.4	1.80	1.3
Spearfish	78	28	49.9	0.48	
Tyndall	80	16	52.6	0.57	
Vermilion	82	22	54.1	0.14	T.
Watertown	76	21	47.4	1.75	T.
Waubay	74	20	46.0	2.16	
Wentworth	78	25	50.2	1.38	
Wessington Springs	80[c]	26[c]	52.8[e]	0.35	
Wolsey	.....	.....	.....	0.87	
Tennessee.					
Andersonville	80	27	58.1	2.22	
Arlington	83	31	60.4	2.64	
Ashwood	87	28	61.2	1.45	
Benton	86	27	60.6	2.75	
Bluff City	.....	.....	.....	2.27	
Bolivar	82	30	60.2	1.07	
Bristol	79	28	55.6	2.14	
Brownsville	83	35	59.6	1.82	
Byrdstown	80	28	59.8	2.78	T.
Carthage	87	30	60.8	2.80	
Clarksville	80	31	61.2	1.07	
Clinton	.....	.....	.....	0.75	
Covington	80	32	61.8	2.52	
Decatur	84	26	60.4	3.01	
Dickson	79	28	60.5	3.00	
Dyersburg	79	39	61.4	2.70	
Elizabethton	80	34	58.2	2.03	T.
Erasmus	80	22	55.6	3.89	T.
Florence	83	29	60.8	2.00	
Franklin	83	31	60.6	3.18	
Grace *[1]	78	32	59.4	3.60	
Greeneville	81	28	57.6	1.50	T.
Harriman	81	30	58.7	2.02	
Hohenwald	82	22	59.2	1.53	
Iron City	82	26	59.6	1.86	
Isabella	79	30	55.6	1.25	
Jackson [1]	84	29	62.2	1.00	
Johnsonville	86	28	61.5	1.68	
Jonesboro *[1]	78	43	60.6	1.60	
Kenton *[5]	82	32	61.2	3.51	
Kingston	.....	.....	.....	2.91	
Leadvale	.....	.....	.....	0.22	
Lebanon	84	29	60.6	2.32	
Lewisburg	83	28	61.1	1.90	
Liberty	85[c]	27[c]	60.0[e]	2.80	
Lynnville	85	31	61.1	1.87	
McKenzie	85[1]	33[1]	64.2[1]	1.83	
McMinnville	85	27	59.7	2.79	
Maryville	83	29	60.2	1.25	
Milan	82	30	60.9	2.60	
Newport	79	33	59.4	1.70	
Nunnelly	83	25	60.8	1.28	
Oakhill	85	27	62.2	3.00	
Palmetto	83	29	62.1	1.87	
Pope	85	26	61.0	0.80	
Rogersville	83	31	59.8	2.75	
Rugby	81	22	57.2	3.48	
Savannah	84	30	62.0	0.66	
Sewanee	78	32	59.7	3.82	
Silverlake	73	27	53.0	2.50	
Tazewell	.....	.....	.....	2.55	
Tellico Plains	85	28	60.8	2.97	
Tracy City	79	26	57.4	3.19	
Trenton	84	28	61.5	3.10	
Tullahoma	82	25	58.9	2.22	
Union City	83	32	63.1	3.57	
Waynesboro	82	27	60.2	1.36	
Wildersville	79	32	61.0	1.58	
Yukon	81	32	61.4	2.38	
Texas.					
Albany	82	44	65.2	1.98	
Alvin	.....	.....	.....	3.13	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Texas—Cont'd.	°	°	°	*Ins.*	*Ins.*
Anna	85	40	64.8	2.82	
Arthur	.....	.....	.....	3.63	
Austin *a*	90	48	68.7	0.80	
Austin *b* *[5]	84	46	66.8	.....	
Ballinger	90	41	64.4	0.88	
Bastrop	92	47	69.0	0.35	
Beaumont	88	43	68.0	10.24	
Beeville	96	52	74.1	1.47	
Bigspring	91	39	66.0	0.92	
Blanco	88	44	65.0	1.74	
Boerne *[1]	93	49	67.0	2.78	
Booth	.....	.....	.....	3.22	
Bowie	85	40	66.0	2.68	
Brazoria	89	52	71.1	2.79	
Brenham	88	49	69.6	11.21	
Brighton	88	54	74.4	1.09	
Brownwood	88	37	65.8	0.70	
Burnet	89	42	66.4	3.28	
Camp Eagle Pass	93	48	72.4	0.30	
Childress	88	41	65.4	1.40	
Coleman	87[x]	47[e]	67.5[f]	1.52	
College	95	48	71.3	4.81	
Colorado	89	35	63.9	0.76	
Columbia	90	47	70.2	5.52	
Comanche	89	39	66.2	2.24	
Corsicana	90	44	68.1	3.56	
Cuero	90	53	71.6	2.97	
Dallas	90	42	65.8	3.71	
Danevang	90	50	73.6	3.21	
Dublin	84	43	64.5	2.35	
Duval	94	48	71.6	1.33	
Earles Ranch	.....	.....	.....	2.55	
Estelle	89	42	67.6	1.90	
Fort Brown	93	56	75.0	1.25	
Fort Clark	91	45	70.8	0.30	
Fort Davis	84	32	61.2	0.26	
Fort McIntosh	.....	.....	.....	2.32	
Fort Ringgold	99	55	78.4	0.05	
Fredericksburg	84	44	65.6	3.30	
Gainesville	85	41	65.0	2.04	
Gatesville	86	43	66.8	2.10	
Georgetown	95[d]	44[d]	69.7[d]	1.41	
Grapevine	89[f]	43[f]	66.8[f]	2.63	
Greenville	90	42	66.2	7.91	
Hale Center	87	40	63.9	1.35	
Hallettsville	89	50	70.9	2.45	
Haskell	90	42	66.7	2.61	
Hearne	90	44	67.4	3.69	
Henrietta	89	41	66.2	2.79	
Hondo	.....	.....	.....	2.96	
Houston	89	52	69.9	2.92	
Huntsville	90	46	69.3	8.53	
Ira	89	39	64.8	0.96	
Jacksonville	86	46	68.0	3.33	
Jasper	90	42	69.6	2.80	
Kaufman	86	40	67.2	7.01	
Kent	.....	.....	.....	0.57	
Kerrville	94	36	67.8	1.67	
Kopperl	.....	.....	.....	3.40	
Lampasas	90	42	66.0	2.40	
Lapara	.....	.....	.....	2.45	
Laureles Ranch	.....	.....	.....	0.25	
Llano	89	50	69.6	2.95	
Longview	83	44	65.4	2.53	
Luling	88	48	68.0	2.77	
Mann	89	39	66.4	3.22	
Marlin	89	44	69.1	1.05	
Menardville	92	37	65.6	1.26	
Mount Blanco	90	37	62.4	1.17	
Nacogdoches	89[d]	42	66.3	5.57	
New Braunfels	88	49	69.2	2.04	
Paris *a*	86	43	65.0	3.80	
Pearsall	90	52	72.7	1.41	
Port Lavaca	90	49	73.4	4.20	
Rhineland	90	37	65.0	2.95	
Rockisland	89	49	70.4	2.08	
Rockport	86	61	74.2	2.90	
Runge	92	53	73.0	2.70	
Sabine	86	52	70.2	1.38	
Sanderson	91	50	70.8	0.40	
San Marcos	89	45	67.4	1.51	
San Saba	87	39	65.8	2.09	
Santa Gertrude Ranch	.....	.....	.....	1.26	
Shaeffer Ranch	96	55	73.8	1.12	
Sherman	88	43	67.6	3.20	
Sugarland	90	47	70.5	2.50	
Sulphur Springs	85	44	65.8	4.71	
Temple *a*	84	45	66.8	2.48	
Temple *b*	84	43	66.6	2.49	
Trinity	90	45	68.8	9.37	
Tyler	88	45	65.7	2.87	
Victoria	94[j]	54[j]	73.0[j]	0.98	
Waco	85	46	66.8	3.40	
Waxahachie	94	40	65.3	3.40	
Weatherford	84	42	66.0	2.19	
Weimar	90	48	71.1	3.05	
Wichita Falls	.....	.....	.....	4.90	
Wharton	91	50	72.4	3.06	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Utah.	°	°	°	*Ins.*	*Ins.*
Aneth	82	28	55.2	0.00	
Blackrock	79	21	49.4	0.53	
Bluecreek *[1]	75	38	49.4	0.20	
Castledale	79	19	49.3	0.00	
Cisco	74	30	53.2	0.00	
Corinne	82	26	52.6	0.61	
Coyoto	79	15	45.7	0.18	
Deseret	85	19	50.8	0.20	
Emery	70	23	44.8	T.	
Escalante	78	28	51.6	0.21	
Farmington	75[j]	30[j]	50.7[j]	0.32	
Fillmore	90	22	55.8	0.58	
Fort Duchesne	84	13	43.6	0.00	
Frisco	75	29	52.2	0.15	
Giles	79	22	50.2	0.05	
Government Creek	77[h]	28[h]	52.0[h]	0.17	
Green River	90	25	55.9	0.03	
Grover	78	25	49.6	0.10	T.
Heber	79	20	46.2	0.45	
Henefer	76	17	44.1	0.52	
Hite	86	58	60.8	T.	
Huntsville	.....	.....	.....	0.41	
Kanab	89	24	55.6	0.00	
Kelton	71	23	47.1	T.	
La Sal	72	26	49.8	T.	
Levan	76	29	49.6	1.62	
Loa	71	8	40.2	0.00	
Logan	76	32	41.4	0.51	
Manti	78	26	49.6	0.40	
Marysvale	80	23	50.0	0.36	
Meadowville	71	22	44.0	0.40	
Minersville	79	28	51.8	0.10	
Moab	83	29	56.3	T.	
Monticello	75	28	54.0	0.02	
Mount Nebo	80	20	50.8	0.45	
Ogden *a*	77	34	53.1	0.42	
Ogden	77	34	51.4	0.22	
Parowan	78	26	50.5	0.61	
Pinto	75	19	46.5	0.93	
Plateau	75	17	48.4	0.35	
Promontory	.....	.....	.....	0.00	
Provo	87[d]	27[d]	52.4[d]	0.68	
Ranch	80	21	46.2	0.50	
Richfield	83	18	50.4	0.26	
St. George	91	38	63.7	0.10	
Scipio	85	20	50.3	0.56	
Snowville	77	19	47.8	0.49	
Soldier Summit	68[e]	14[e]	42.2[e]	.....	
Terrace	78	22	48.9	0.20	
Thistle	80	20	47.8	0.41	
Tooele	79	34	52.5	0.28	
Tropic	74	10	39.9	0.22	
Verual	78	26	51.0	0.05	
Wellington	80	17	48.0	0.05	
Woodruff	78	9[e]	42.0	0.30	
Vermont.					
Burlington	69	26	48.8	4.95	T.
Chelsea	66	17	42.5	3.68	
Cornwall	69	26	47.3	2.64	
Enosburg Falls	70	18	43.7	5.51	T.
Jacksonville	69	20	44.8	4.41	
Manchester	69	20	47.9	5.78	T.
Norwich	70	18	44.8	4.99	
St. Johnsbury	70	18	45.6	3.98	T.
Wells	68	22	45.8	5.31	
Woodstock	78	20	46.8	4.50	T.
Virginia.					
Alexandria	76	31	57.8	6.90	
Ashland	78	29	59.4	4.94	
Barboursville	94	30	60.9	7.79	
Bedford	82	35	58.8	6.52	
Bigstone Gap	80	30	57.6	1.63	
Blacksburg	80	24	55.1	3.06	
Bluemont	83	31	58.4	1.60	
Bonair	81	32	59.8	4.01	
Buckingham	88	27	58.8	5.95	
Burkes Garden	74	21	50.7	2.36	
Callaville	80	29	61.6	3.22	
Charlottesville	81	35	59.4	8.97	
Clarksville	.....	.....	.....	3.30	
Columbia	84	31	61.5	6.50	
Dale Enterprise	80	25	56.2	3.08	T.
Danville	.....	.....	.....	6.39	
Farmville	82	30	59.6	7.00	
Fredericksburg	79	31	58.6	9.66	
Grahams Forge	79[d]	24[d]	54.4[d]	2.18	
Hampton	81	40	64.7	2.45	
Hot Springs	74	24	53.4	2.97	
La Crosse	81	35	62.2	2.46	
Lexington	87	26	57.6	4.12	
Lincoln	82	30	58.2	4.18	
Manassas	79	29	58.6	5.08	
Mendota	.....	.....	.....	2.88	
Newport News	89	43	66.2	3.80	
Petersburg	83	31	61.0	2.53	
Radford	.....	.....	.....	2.94	
Riverton	.....	.....	.....	4.83	
Roanoke	74	30	51.8	5.65	

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.
Virginia—Cont'd.	°	°	°	*Ins.*	*Ins.*
Rockymount	75	28	54.6	7.33	
Saxe	80[1]	30[1]	57.2[1]	5.22	
Shenandoah	.....	.....	.....	3.49	
Speers Ferry	.....	.....	.....	2.17	
Spottsville	84	28	61.8	1.48	
Staunton	82	29	58.4	3.54	
Stephens City	.....	.....	.....	3.37	
Warsaw	78	30	60.4	3.97	
Wilkerson	79	31	60.8	5.92	
Williamsburg	77	30	60.7	2.94	
Woodstock	82	26	55.6	3.15	
Wytheville	82	27	57.2	2.20	
Washington.					
Aberdeen	82	35	51.6	6.21	
Anacortes	.....	.....	.....	0.70	
Ashford	.....	.....	.....	4.32	
Blaine	66	32	49.4	2.11	
Bremerton	85	32	51.5	3.36	
Brinnon	73	39	53.1	4.22	
Cedonia	73	28	49.4	0.84	
Centralia	83	30	53.0	2.69	
Cheney	.....	.....	.....	0.61	
Clearwater	75	34	52.6	7.10	
Cle Elum	79	24	47.5	0.79	
Colfax	85	26	51.0	0.76	
Colville	87	20	51.0	0.30	
Conconully	71	26	48.3	0.31	
Coupeville	72	38	52.9	0.67	
Crescent	78	24	49.0	0.46	
East Sound	69[d]	35[d]	51.4[d]	1.65	
Ellensburg	77	23	48.6	0.74	
Grandmound	83	32	52.8	2.31	
Granite Falls	.....	.....	.....	2.21	
Hooper	86	28	54.3	0.42	
Ilwaco	78	41	54.4	4.15	
Lacenter	81	37	53.0	2.08	
Lakeside	75	34	53.8	0.08	
Lind	90	29	54.9	0.26	
Lyle	83	35	54.4	0.92	
Mayfield	77	32	51.6	3.50	
Mottinger Ranch	79	37	57.4	0.46	
Mount Pleasant	79	38	54.7	2.08	
Moxee Valley	83	25	50.6	0.91	
Olga	65	44	52.2	1.70	
Olympia	81	35	54.3	2.98	
Pomeroy	89	32	55.4	0.81	
Port Townsend	69	41	52.8	0.51	
Pullman	82	32	52.6	0.70	
Rattlesnake Mountains	73	30	53.0	1.03	
Republic	79	20	47.6	0.66	
Ritzville	.....	.....	.....	0.07	
Ritzville (near)	.....	.....	.....	0.29	
Rosalia	77	32	50.7	0.50	
Sedro	82	32	52.8	0.00	
Silvana	83	31	52.8	2.30	
Snohomish	80	32	52.4	1.74	
Snoqualmie	80	36	52.6	3.50	
Southbend	80	39	55.2	4.96	
Sprague	.....	.....	.....	0.50	
Stampede	.....	.....	.....	7.10	
Sunnyside	77	30	52.4	0.72	
Trinidad	84	32	57.6	0.01	
Union	81[f]	35[e]	53.0[e]	5.98	
Usk	76[f]	27[f]	48.4[f]	0.34[d]	
Vancouver	77	35	53.3	1.74	
Vashon	70	42	52.6	2.84	
Waterville	74	21	48.2	T.	
Wenatchee (near)	80	30	53.0	0.09	
Whatcom	69	31	51.1	1.20	
Wilbur	79	17	49.1	0.62	
Zindel	84[1]	40[1]	58.4[1]	0.00	
West Virginia.					
Addison	80	26	57.4	3.50	
Bayard	73[e]	20[e]	51.2[e]	2.58	T.
Beckley	72	31	51.5	1.72	
Beverly	75	21	53.8	1.83	
Burlington	80	22	55.0	2.85	T.
Byrne	83	31	61.4	2.70	
Cairo	84	26	58.0	.....	.....
Camden	76	28	56.8	2.04	
Central	80	25	57.0	1.44	
Charleston	.....	.....	.....	2.12	
Creston	81	30	58.4	2.57	
Cuba	79	29	56.8	1.68	T.
Dayton	86	25	56.4	2.37	T.
Echo	87	29	60.0	2.35	
Elkhorn	79	30	57.3	1.39	
Fairmont	.....	.....	.....	3.81	
Glenville	79	26	56.6	3.67	T.
Grafton	77	27	56.4	2.92	T.
Green Sulphur	77	24	54.9	1.11	
Harpers Ferry	.....	.....	.....	5.54	
Hinton *b*	79	28	57.4	2.25	
Huntington	80	32	57.2	2.85	
Josiah	78	25	56.0	2.21	
Leonard	76	29	55.5	4.16	
Lewisburg	79	24	54.8	1.93	
Logan	85	32	60.6	2.27	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
West Virginia—Cont'd.	°	°	°	*Ins.*	*Ins.*
Magnolia	80	24	55.5	2.62	
Martinsburg	80	27	55.4	4.55	
Morgantown	76	32	57.2	3.95	
Moscow	75	28	54.6	2.45	
Moundsville	76	29	56.7	3.14	
Myra	97[e]	27[e]	59.5[e]	1.87	
New Martinsville	81	29	58.2	2.70	
Nuttallburg	84	29	60.0	2.10	
Parsons	76	22	53.3	0.90	
Philippi	86	24	55.0	2.35	T.
Pickens	76	26	55.3	2.82	T.
Point Pleasant	82	34	60.6	2.63	
Princeton	78	25	54.9	2.65	
Rippon	81	26	57.2	5.18	
Romney	85	24	55.4	3.47	T.
Rowlesburg	.....	.....	.....	4.52	
Southside	78	35	58.6	1.60	
Terra Alta	75	22	52.8	5.50	T.
Uppertract	81	24	56.0	2.21	
Wellsburg	74	30	54.2	3.30	
Weston *a*	.....	.....	.....	3.59	T.
Weston *b*	83	27	59.0	.....	.....
Wheeling *a*	.....	.....	.....	3.53	
Wheeling *b*	80	32	59.4	2.69	
Williamson	84	30	59.1	2.53	
Wisconsin.					
Amherst	72	23	47.1	1.32	
Antigo	78	20	46.6	1.57	
Appleton	74	27	49.2	1.58	T.
Ashland	.....	.....	.....	1.55	
Barron	76	24	49.4	0.68	T.
Bayfield	66	31	45.8	2.56	T.
Beloit	75	31	51.8	1.69	
Brodhead	76	28	53.2	1.44	
Butternut	69	19	41.1	3.06	0.5
Chilton	72	24	47.9	2.37	
Darlington	75	21	49.6	9.16	
Delavan	75	29	51.8	1.26	
Dodgeville	75	26	51.3	1.30	
Downing	75	22	46.8	1.65	T.
Easton	75	24	49.5	1.52	
Eau Claire	75	29	49.0	2.58	
Florence	67	19	43.6	1.61	T.
Fond du Lac	72	27	50.4	1.42	
Grand River Locks	.....	.....	.....	1.98	
Grantsburg	72	25	45.8	1.82	T.
Harvey	74	29	50.4	1.18	
Hayward	68	20	45.0	2.40	T.
Hillsboro	72	22	49.2	1.78	T.
Koepenick	84	15	45.3	2.20	
Ladysmith	71	22	46.0	2.61	
Lancaster	75	26	51.4	1.12	
Madison	75	31	51.4	1.23	
Manitowoc	72	28	49.2	2.14	
Meadow Valley	78	24	48.6	1.36	
Medford	72	22	46.4	3.20	
Menasha	.....	.....	.....	1.73	
Neillsville	76	24	48.4	1.45	
New Holstein	74	22	49.6	1.76	
New London	75	21	48.2	1.57	T.
North Crandon	69[e]	19[e]	43.2[e]	2.54	T.
Oconto	76	26	48.4	2.23	
Osceola	74	22	45.7	1.23	T.
Oshkosh	73	25	50.3	2.22	
Pepin	70	32	51.0	2.46	T.
Pine River	77	24	49.3	1.46	T.
Portage	75	29	51.8	1.51	
Port Washington	74	28	51.4	1.25	
Prairie du Chien *a*	87	29	56.5	1.22	
Prairie du Chien *b*	.....	.....	.....	1.52	
Prentice	71	21	44.6	3.01	
Racine	79	32	54.3	1.39	
Sheboygan	74	28	52.6	1.73	
Stevens Point	75	22	47.4	1.37	
Tomahawk	71	18	43.2	2.20	T.
Valley Junction	82	25	51.4	2.34	
Viroqua	74	25	50.0	1.88	T.
Watertown	73	26	49.4	1.10	
Waukesha	72	31	51.4	1.73	
Waupaca	74	21	48.4	1.33	
Wausau	69	23	46.8	1.90	
Westbend	72	30	51.0	1.90	
Whitehall	79	25	49.8	1.92	
Wyoming.					
Alcova	80	23	50.5	0.27	T.
Basin	79	18	49.0	T.	
Bedford	75	16	42.8	0.51	T.
Border	76	14	41.4	0.15	
Buffalo	80	21	47.9	0.03	T.
Centennial	65	14	43.7	0.32	
Chugwater	78	22	47.4	0.91	
Daniel	77	10	40.6	T.	
Evanston	74	18	42.4	0.40	T.
Fort Laramie	87	23	50.0	0.60	
Fort Washakie	78	22	47.8	0.90	
Fort Yellowstone	72	25	44.2	0.20	T.
Fourbear	72	19	43.4	0.45	T.
Griggs	82	20	47.6	0.60	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Wyoming—Cont'd.	°	°	°	*Ins.*	*Ins.*
Irma	77	25	48.7	0.34	
Iron Mountain	74	20	46.5	0.53	T.
Kimball Ranch	75[k]	32[k]	50.2[k]	0.61	
La Grange	86	19	51.6	0.20	
Laramie	71	19	44.4	0.74	0.5
Leo	69	18	43.4	0.15	0.2
Lolabama Ranch	73	16	41.0	0.62	T.
Lusk	82	16	47.1	0.70	
Moore	77[d]	20[d]	48.3[d]	0.50	
Parkman	81[e]	22[e]	47.4[e]	0.10	
Pinebluff	81	25	48.8	0.68	
Rawlins	71	22	44.4	1.75	0.8
Red Bank	78	25	49.2	0.45	
Rocksprings	74	19	47.8	0.04	
Saratoga	73	15	46.1	0.74	1.0
South Pass City	68	11	36.9	.....	1.0
Thayne	74	14	41.2	0.43	0.3
Thermopolis	80	19	47.8	0.32	
Wheatland	.....	.....	.....	0.71	
Porto Rico.					
Adjuntas	90	53	73.1	13.52	
Aguadilla	88	65	78.2	5.46	
Aguirre	91	68	80.1	6.08	
Arecibo	89	.....	.....	3.38	
Barros	87	54	73.4	4.46	
Bayamon	97	66	81.0	9.17	
Caguas	92	54	74.6	4.36	
Canovanas	91	70	80.0	1.91	
Cayey	96	56	77.4	3.43	
Cidra	90	54	74.6	3.90	
Coamo	93	60	79.2	5.30	
Fajardo	91	67	79.2	3.21	
Guanica	93	65	78.7	3.19	
Guayama	.....	.....	.....	6.76	
Hacienda Armistad	94	58	77.0	3.19	
Hacienda Coloso	91	60	76.8	6.52	
Hacienda Perla	90	62	79.4	6.31	
Humacao	90	76	82.9	4.94	
Isabela	88	65	77.2	3.24	
Juana Diaz	91	67	79.6	8.43	
La Isolina	90	60	76.4	7.31	
Manati	93	65	78.7	3.83	
Maunabo	96	68	79.8	8.82	
Mayaguez	92	62	78.1	5.82	
Morovis	95	63	78.0	12.74	
Ponce	91	65	79.8	4.76	
Rio Piedras	.....	.....	.....	3.67	
San German	91	68	80.6	5.17	
San Lorenzo	93	60	77.9	3.74	
San Salvador	90	58	75.4	6.93	
Santa Isabel	92	67	79.5	5.04	
Utuado	93	61	77.5	11.33	
Vieques	90	72	81.9	.....	
Yauco	88	66	77.8	3.58	
Mexico.					
Ciudad P. Diaz	86	52	72.0	2.64	
Leon de Aldamas	79	42	63.0	0.74	
New Brunswick.					
St. John	68	27	46.5	4.78	
Isthmus of Panama.					
Alhajuela	90	71	78.4	11.26	
La Boca	86	70	78.4	10.67	
West Indies.					
Roseau, Dominica	91	72	79.3	4.71	

Late reports for September, 1902.

Alabama.	°	°	°	*Ins.*	*Ins.*
Newburg	91	34	70.4	6.08	
Alaska.					
Coal Harbor	63	33	48.7	4.98	
Kenai	62	16	46.2	4.69	
Mine Harbor	62	32	48.9	0.00	
Tyoonok	66	25	48.2	6.46	
Arizona.					
Aztec *1	116	70	93.9	0.00	
Fort Mohave	115	49	84.2	0.00	
Oracle	93	55	74.4	0.97	
California.					
San Miguel Island	78	53	62.0	0.00	
Kansas.					
Little River	90	37	65.0	2.03	
Missouri.					
Koshkonong	88	39	65.0	3.44	
Nebraska.					
Holdrege	92	32	60.2	.....	
Kearney	.....	.....	.....	4.98	
North Carolina.					
Spring Hope *1	93	46	70.0	3.61	
North Dakota.					
Mayville	84	27	53.8	0.73	
Oregon.					
Springfield *1	91	40	59.6	0.60	
South Dakota.					
Fairfax	97	28	60.6	1.80	

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

Stations.	Temperature. (Fahrenheit.)			Precipitation.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
Isthmus of Panama.	°	°	°	*Ins.*	*Ins.*
Alhajuela	92	72	79.3	10.68	
La Boca	88	76	79.5	6.77	

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.
[6]Mean of readings at various hours reduced to true daily mean by special tables.

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

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

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

CORRECTIONS.

December, 1901, page 583, third column, under Isthmus of Panama, make values at La Boca read 90°, 73°, 81.0°, instead of 86°, 74°, 79.2°.

August, 1902, California, Hanford, make minimum and mean temperatures read 49° and 75.9°, instead of 41° and 71.9°, respectively.

September, 1902, make minimum and mean temperatures read 40° and 74.2°, instead of 32° and 70.2°, respectively.

TABLE III.—*Resultant winds from observations at 8 a. m. and 8 p. m., daily, during the month of October, 1902.*

Stations.	Component direction from— N.	S.	E.	W.	Resultant. Direction from—	Duration.
	Hours.	Hours.	Hours.	Hours.	°	Hours.
New England.						
Eastport, Me	21	19	7	31	n. 85 w.	24
Portland, Me	21	20	6	28	n. 87 w.	22
Northfield, Vt	19	36	5	11	s. 19 w.	18
Boston, Mass	15	21	6	30	s. 76 w.	25
Nantucket, Mass	21	18	14	21	n. 67 w.	8
Block Island, R. I	20	20	13	25	w.	12
New Haven, Conn	26	15	9	25	n. 56 w.	19
Middle Atlantic States.						
Albany, N. Y	19	25	11	20	s. 56 w.	11
Binghamton, N. Y.†	9	6	9	13	n. 53 w.	5
New York, N. Y	22	12	14	28	n. 54 w.	17
Harrisburg, Pa	16	13	20	22	n. 34 w.	4
Philadelphia, Pa	25	16	15	20	n. 29 w.	10
Scranton, Pa	22	18	17	22	n. 51 w.	6
Atlantic City, N. J	23	16	12	27	n. 65 w.	17
Cape May, N. J	26	16	13	21	n. 39 w.	13
Baltimore, Md	27	15	10	24	n. 49 w.	18
Washington, D. C	25	19	13	18	n. 40 w.	8
Cape Henry, Va.*	10	11	8	9	s. 45 w.	1
Lynchburg, Va	23	14	17	21	n. 24 w.	10
Norfolk, Va	18	25	22	12	s. 55 e.	12
Richmond, Va	25	20	10	15	n. 45 w.	7
South Atlantic States.						
Asheville, N. C	23	22	16	17	n. 45 w.	1
Charlotte, N. C	26	17	22	12	n. 48 e.	14
Hatteras, N. C	29	9	30	9	n. 46 e.	29
Kitty Hawk, N. C.†						
Raleigh, N. C	24	17	18	23	n. 36 w.	9
Wilmington, N. C	23	10	29	14	n. 49 e.	20
Charleston, S. C	25	9	28	14	n. 41 e.	21
Columbia, S. C	30	11	26	14	n. 32 e.	22
Augusta, Ga	30	8	25	19	n. 15 e.	23
Savannah, Ga	31	7	27	12	n. 32 e.	28
Jacksonville, Fla	34	8	19	14	n. 11 e.	26
Florida Peninsula.						
Jupiter, Fla	23	16	21	16	n. 36 e.	9
Key West, Fla	19	15	34	12	n. 80 e.	22
Tampa, Fla	33	10	26	11	n. 33 e.	28
Eastern Gulf States.						
Atlanta, Ga	22	10	29	14	n. 51 e.	19
Macon, Ga.†	20	4	5	5	n.	16
Pensacola, Fla.†	19	1	15	5	n. 29 e.	21
Mobile, Ala	41	9	13	9	n. 7 e.	32
Montgomery, Ala	27	5	24	15	n. 22 e.	24
Meridian, Miss†	14	3	17	6	n. 45 e.	16
Vicksburg, Miss	18	12	36	7	n. 78 e.	30
New Orleans, La	37	8	31	5	n. 42 e.	29
Western Gulf States.						
Shreveport, La	15	23	29	8	s. 69 e.	22
Fort Smith, Ark	14	13	34	12	n. 87 e.	22
Little Rock, Ark	17	23	20	16	s. 34 e.	7
Corpus Christi, Tex	17	14	34	7	n. 84 e.	27
Fort Worth, Tex	12	30	21	14	s. 21 e.	19
Galveston, Tex	25	15	32	7	n. 68 e.	27
Palestine, Tex	18	22	28	4	s. 81 e.	24
San Antonio, Tex	19	18	28	5	n. 88 e.	23
Taylor, Tex †	10	10	7	9	w.	2
Ohio Valley and Tennessee.						
Chattanooga, Tenn	19	18	17	23	n. 80 w.	6
Knoxville, Tenn	24	17	12	25	n. 62 w.	15
Memphis, Tenn	19	25	21	15	s. 45 e.	8
Nashville, Tenn	16	28	12	18	s. 27 w.	13
Lexington, Ky. †	6	17	5	5	s.	11
Louisville, Ky	16	31	11	13	s. 8 w.	15
Evansville, Ind.†	6	16	7	7	s.	10
Indianapolis, Ind	16	28	14	18	s. 18 w.	13
Cincinnati, Ohio	17	24	23	17	s. 41 e.	9
Columbus, Ohio	11	27	17	24	s. 24 w.	18
Pittsburg, Pa	22	18	12	28	n. 76 w.	16
Parkersburg, W. Va	20	27	12	13	s. 8 w.	7
Elkins, W. Va	20	13	11	28	n. 68 w.	18
Lower Lake Region.						
Buffalo, N. Y	14	18	14	26	s. 72 w.	13
Oswego, N. Y	17	28	12	18	s. 29 w.	12
Rochester, N. Y	9	23	10	35	s. 61 w.	29
Syracuse, N. Y	8	28	10	27	s. 40 w.	26
Erie, Pa	13	15	15	28	s. 81 w.	13
Cleveland, Ohio	13	33	18	15	s. 9 e.	20
Sandusky, Ohio†	4	14	6	14	s. 39 w.	13
Toledo, Ohio	14	21	13	27	s. 63 w.	16
Detroit, Mich	17	20	16	26	s. 73 w.	10
Upper Lake Region.						
Alpena, Mich	21	17	9	27	n. 77 w.	18
Escanaba, Mich	18	22	9	26	s. 77 w.	18
Grand Haven, Mich	17	21	18	21	s. 37 w.	5
Houghton, Mich.†	8	6	11	12	n. 27 w.	2
Marquette, Mich	17	18	9	32	s. 88 w.	23
Port Huron, Mich	18	19	13	26	s. 86 w.	13
Sault Ste. Marie, Mich	24	11	21	21	n.	13
Chicago, Ill	14	21	15	27	s. 60 w.	14
Milwaukee, Wis	13	16	15	30	s. 79 w.	15
Green Bay, Wis	20	24	16	20	s. 45 w.	6
Duluth, Minn	29	10	13	27	n. 36 w.	24
North Dakota.						
Moorhead, Minn	23	22	20	14	n. 80 e.	6
Bismarck, N. Dak	27	9	18	22	n. 13 w.	18
Williston, N. Dak	17	24	13	21	s. 49 w.	11
Upper Mississippi Valley.						
St. Paul, Minn	18	23	18	18	s.	5
La Crosse, Wis. †	11	14	6	5	s. 18 e.	3
Davenport, Iowa	11	17	18	27	s. 56 w.	11
Des Moines, Iowa	18	20	18	21	s. 56 w.	4
Dubuque, Iowa	15	24	15	21	s. 34 w.	11
Keokuk, Iowa	16	23	16	22	s. 41 w.	9
Cairo, Ill	14	29	16	14	s. 8 e.	15
Springfield, Ill	11	27	14	25	s. 34 w.	19
Hannibal, Mo. †	6	14	7	12	s. 32 w.	9
St. Louis, Mo	14	34	10	15	s. 14 w.	21
Missouri Valley.						
Columbia, Mo. *	7	14	10	9	s. 8 e.	7
Kansas City, Mo	17	28	22	13	s. 39 e.	14
Springfield, Mo	13	35	17	13	s. 10 e.	22
Topeka	6	17	7	5	s. 10 e.	11
Lincoln, Nebr	22	24	16	8	s. 76 e.	8
Omaha, Nebr	21	27	12	16	s. 34 w.	7
Valentine, Nebr	19	13	11	34	n. 75 w.	24
Sioux City, Iowa †	13	10	7	8	n. 18 w.	3
Pierre, S. Dak	22	12	19	19	n.	10
Huron, S. Dak	23	17	20	18	n. 18 e.	6
Yankton, S. Dak. †	8	8	10	13	w.	3
Northern Slope.						
Havre, Mont	13	14	17	30	s. 86 w.	13
Miles City, Mont	21	21	12	20	w.	8
Helena, Mont	9	24	4	42	s. 69 w.	41
Kalispell, Mont	10	20	13	33	s. 63 w.	22
Rapid City, S. Dak	19	9	11	31	n. 63 w.	22
Cheyenne, Wyo	21	14	6	34	n. 76 w.	29
Lander, Wyo	13	28	8	28	s. 53 w.	25
North Platte, Nebr	16	16	17	25	w.	8
Middle Slope.						
Denver, Colo	15	28	25	4	s. 59 e.	25
Pueblo, Colo	24	15	22	15	n. 38 e.	11
Concordia, Kans	14	31	11	13	s. 7 w.	17
Dodge, Kans	18	22	16	16	s.	4
Wichita, Kans	16	40	5	7	s. 5 w.	24
Oklahoma, Okla	17	36	13	7	s. 18 e.	20
Southern Slope.						
Abilene, Texas	14	31	24	10	s. 39 e.	22
Amarillo, Tex	16	34	11	15	s. 13 w.	18
Southern Plateau.						
El Paso, Texas	19	7	25	24	n. 5 e.	12
Santa Fe, N. Mex	19	24	23	14	s. 61 e.	10
Flagstaff, Ariz	18	17	18	25	n. 82 w.	7
Phoenix, Ariz	12	10	30	21	n. 77 e.	9
Yuma, Ariz	14	16	21	21	s.	2
Independence, Cal	11	26	18	23	s. 18 w.	16
Middle Plateau.						
Carson City, Nev	18	18	14	26	w.	12
Winnemucca, Nev	31	10	22	16	n. 16 e.	22
Modena, Utah	6	18	12	37	s. 64 w.	28
Salt Lake City, Utah	23	22	22	13	n. 84 e.	9
Grand Junction, Colo	18	16	20	26	n. 72 w.	6
Northern Plateau.						
Baker City, Oreg	14	33	23	13	s. 28 e.	22
Boise, Idaho	19	12	15	30	n. 65 w.	17
Lewiston, Idaho †	1	14	10	10	s.	13
Pocatello, Idaho	6	26	20	26	s. 17 w.	21
Spokane, Wash	17	24	25	8	s. 68 e.	18
Walla Walla, Wash	9	37	10	16	s. 12 w.	29
North Pacific Coast Region.						
Neah Bay, Wash	0	18	35	19	s. 42 e.	24
North Head, Wash	15	28	26	8	s. 54 e.	22
Port Crescent, Wash. *	0	7	16	12	s. 30 e.	8
Seattle, Wash	17	21	22	15	s. 60 e.	8
Tacoma, Wash	22	23	12	22	s. 84 w.	10
Astoria, Oreg	11	29	19	21	s. 6 w.	18
Portland, Oreg	20	20	16	22	w.	6
Roseburg, Oreg	18	10	19	21	n. 14 w.	8
Middle Pacific Coast Region.						
Eureka, Cal	19	24	14	17	s. 31 w.	6
Mount Tamalpais, Cal	19	25	10	28	s. 72 w.	19
Red Bluff, Cal	26	21	21	7	n. 70 e.	15
Sacramento, Cal	15	30	22	10	s. 39 e.	19
San Francisco, Cal	0	19	8	40	s. 59 w.	37
South Pacific Coast Region.						
Fresno, Cal	15	13	9	34	n. 85 w.	25
Los Angeles, Cal	15	8	11	34	n. 73 w.	24
San Diego, Cal	36	7	6	27	n. 36 w.	36
San Luis Obispo, Cal	17	14	5	25	n. 81 w.	20
West Indies.						
Basseterre St. Kitts, W. I	15	6	48	1	n. 79 e.	48
Bridgetown, Barbados	4	13	54	1	s. 81 e.	55
Cienfuegos, Cuba	15	11	46	4	n. 85 e.	42
Colon, Columbia, S. A. †	1	25	6	6	s.	24
Grand Turk, Turks Island †	1	15	19	3	s. 49 e.	21
Hamilton, Bermuda	19	18	28	13	n. 86 e.	15
Havana, Cuba	11	14	43	3	s. 86 e.	40
Kingston, Jamaica	44	1	36	1	n. 39 e.	55
Port of Spain, Trinidad, W. I †	1	16	18	3	s. 45 e.	21
Puerto Principe, Cuba	25	12	32	11	n. 59 e.	25
Roseau, Dominica, W. I †	11	7	8	16	n. 63 w.	9
San Juan, Porto Rico	1	40	29	6	s. 31 e.	45
Santiago de Cuba, Cuba	29	22	20	5	n. 65 e.	17
Santo Domingo, S. Dom., W. I	49	7	12	5	n. 9 e.	43
Willemstad	1	11	57	0	s. 81 e.	58

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

TABLE IV.—*Thunderstorms and auroras, October, 1902.*

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.			3								2		2							3												10	4	T.
		A.																																0	0	A.
Arizona	56	T.																											1	1	7	2		11	4	T.
		A.																																0	0	A.
Arkansas	57	T.		1	2									2	3						1							5	2					16	7	T.
		A.																																0	0	A.
California	167	T.						1															2	1	17	3			1					25	6	T.
		A.																																0	0	A.
Colorado	81	T.										6	8	7	1					2				4	2		1				1	3		35	10	T.
		A.																																0	0	A.
Connecticut	21	T.												2	1					1	2	4				1								11	6	T.
		A.																																0	0	A.
Delaware	5	T.																																0	0	T.
		A.																																0	0	A.
Dist. of Columbia	4	T.											1																					1	1	T.
		A.																																0	0	A.
Florida	47	T.	1	2	2	1	1	1	1	2	5	5	5	1	1	10	7	4	1	7	4	5	5	2	3	2	1	3	2					84	27	T.
		A.																																0	0	A.
Georgia	55	T.					1									2											1	4						8	4	T.
		A.																																0	0	A.
Idaho	34	T.								1		2												1	1	2								7	5	T.
		A.																																0	0	A.
Illinois	92	T.			1									36	9		5		14	7						1	12	2			5			92	10	T.
		A.																																0	0	A.
Indiana	58	T.			1	1	6							13	15			13	3	5		2						21	1	1				82	12	T.
		A.																			1													1	1	A.
Indian Territory	11	T.											3	2						2									1			1		9	5	T.
		A.																																0	0	A.
Iowa	149	T.		1		1	1						1	23	1				34	11			6	1	13	15	20	5	2		1			136	16	T.
		A.																																0	0	A.
Kansas	77	T.		2	5	2							11	12	1												5	4				5	1	48	10	T.
		A.																																0	0	A.
Kentucky	41	T.											1		6			1	1									4	1					14	6	T.
		A.																																0	0	A.
Louisiana	46	T.	1	6	9	1									1	1					4	8				3	1	1	2					38	12	T.
		A.																																0	0	A.
Maine	19	T.														3					8	4				1							1	17	5	T.
		A.																																0	0	A.
Maryland	48	T.					1						10	3					2									1						17	5	T.
		A.																																0	0	A.
Massachusetts	48	T.											1	1							4	5				1			1					13	6	T.
		A.																															1	1	1	A.
Michigan	106	T.					14			2				6	11				1	6	1	11	4	24	3		6	30	1			1	5	126	16	T.
		A.																1													1		1	3	3	A.
Minnesota	67	T.																	5	1			10	2	15	3	24	13					7	80	9	T.
		A.																																0	0	A.
Mississippi	44	T.		2	12	1									7	1					1	3												27	7	T.
		A.																																0	0	A.
Missouri	95	T.	1	1	2	3	3					1	3	34	2			1	20	9					1		3	5	2			1	1	93	18	T.
		A.																																0	0	A.
Montana	40	T.								3																								3	1	T.
		A.																										1					1	2	2	A.
Nebraska	142	T.		1	2	3					1	3	26	9					1					1	9	1	12	2					3	74	14	T.
		A.																																0	0	A.
Nevada	40	T.										1													1									2	2	T.
		A.																																0	0	A.
New Hampshire	19	T.													1	3				2	9	5								1				21	6	T.
		A.																																0	0	A.
New Jersey	51	T.												12				2	4	1	1													20	5	T.
		A.																																0	0	A.
New Mexico	31	T.	1	1	1								1		1					2											2	3		12	8	T.
		A.																																0	0	A.
New York	99	T.				1	1	3	1					3	33	12				37	45	7		1		29	1		2			5	2	183	16	T.
		A.																															1	1	1	A.
North Carolina	56	T.	1			2	2	1				1	2															2			1			12	8	T.
		A.									1																							1	1	A.
North Dakota	48	T.									2							1						1		4	10				3			24	7	T.
		A.																							3						1	2		3	2	A.
Ohio	128	T.	3		1		17	1					2	6	25			8	6	19				1				21	4					114	13	T.
		A.																												1				1	1	A.
Oklahoma	23	T.		1		4	1		3				5								1											1	1	17	8	T.
		A.																											1	1	1			3	3	A.
Oregon	74	T.							1									1											1			2	1	6	5	T.
		A.																																0	0	A.
Pennsylvania	91	T.				1	5						1	2	7				3	3	6	2												31	10	T.
		A.																							1								1	1	1	A.
Rhode Island	7	T.												1	1							1												3	3	T.
		A.																																0	0	A.
South Carolina	46	T.	3			3	1	1				1											1					1	2					13	8	T.
		A.																																0	0	A.
South Dakota	56	T.																1	1							1	10	5					5	33	7	T.
		A.																							10				1			1		2	2	A.
Tennessee	56	T.			1								1		10															1				13	4	T.
		A.																																0	0	A.
Texas	95	T.	5	19	10	1									2	4					21	1						1	9		4	7	1	85	13	T.
		A.																																0	0	A.
Utah	47	T.										3	3	1										3		2						1	2	15	7	T.
		A.																																0	0	A.
Vermont	16	T.													5	3	1				2	9	1				4							25	7	T.
		A.																														1		1	1	A.
Virginia	50	T.											9	1																1				11	3	T.
		A.																																0	0	A.
Washington	64	T.																								1	1				2		1	5	4	T.
		A.																																0	0	A.
West Virginia	43	T.					1						1	1	3			5	8			1					1					1		22	9	T.
		A.																																0	0	A.
Wisconsin	60	T.				1								5		1			4	2			11	7	7	3	5	7	1					54	12	T.
		A.																																0	0	A.
Wyoming	31	T.											2																					2	1	T.
		A.									1																							1	1	A.
Sums	2,893	T.	16	37	52	26	55	8	6	8	8	23	99	183	149	40	13	37	108	119	117	63	39	49	86	77	114	137	36	5	26	33	31	1,800		T.
		A.	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	2	2	8	4	5	21		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 October, 1902, at all stations furnished with self-registering gages.*

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		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.	27-28			1.46														0.27			
Alpena, Mich.	12-13			0.95														*			
Atlanta, Ga.	4-5			0.68														0.48			
Atlantic City, N. J.	11-12			2.35														0.45			
Augusta, Ga.	26-27			1.22														*			
Baltimore, Md.	4-5			2.79														0.50			
Binghamton, N. Y.	27-28			1.28														0.15			
Bismarck, N. Dak.	24-25			0.51														0.37			
Boise, Idaho.	23			0.43														0.33			
Boston, Mass.	28			1.84														0.30			
Buffalo, N. Y.	22-23			0.64														0.28			
Cairo, Ill.	3			0.77														0.11			
Charleston, S. C.	10-11			1.80														0.61			
Charlotte, N. C.	4-5	6:05 p. m.	8:55 a. m.	1.72	6:45 p. m.	7:10 p. m.	0.11	0.09	0.23	0.33	0.36	0.45	0.49								
Chattanooga, Tenn.	10-11			1.82														0.49			
Chicago, Ill.	25			0.71														*			
Cincinnati, Ohio.	16			0.52						0.35											
Cleveland, Ohio.	26			0.60														0.20			
Columbia, Mo.	17	D. N.	D. N.	0.84	3:28 a. m.	3:47 a. m.	0.04	0.16	0.26	0.45	0.62	0.66	0.69	0.71	0.73						
Columbia, S. C.	10-11			1.44														0.60			
Columbus, Ohio.	3-4			1.34														0.25			
Corpus Christi, Tex.	3			1.01														0.51			
Davenport, Iowa.	17-18			1.48														0.36			
Denver, Colo.	1-2			0.40														0.04			
Des Moines, Iowa.	17-18	5:55 p. m.	D. N.	1.65	7:55 p. m.	8:35 p. m.	0.06	0.11	0.18	0.46	0.52	0.60	0.70	0.73	0.77	0.79	0.82	0.86			
Detroit, Mich.	26			0.30												0.30					
Dodge, Kans.	2-3			1.68														0.11			
Dubuque, Iowa.	24-25			1.18														*			
Duluth, Minn.	23			0.74														0.29			
Eastport, Me.	28			1.39														0.40			
Elkins, W. Va.	11-12			1.05														0.24			
Erie, Pa.	5-6			1.00														0.45			
Escanaba, Mich.	23			0.43														0.23			
Evansville, Ind.	3	1:44 a. m.	11:52 p. m.	2.16	4:55 p. m.	5:15 p. m.	0.72	0.12	0.31	0.48	0.56	0.59	0.60								
Fort Smith, Ark.	2-3			2.35														0.64			
Fort Worth, Tex.	2			1.22														0.73			
Galveston, Tex.	3	7:50 a. m.	10:05 a. m.	0.90	8:09 a. m.	8:30 a. m.	0.03	0.15	0.37	0.51	0.62	0.64	0.68								
Grand Haven, Mich.	12-13			1.79														0.50			
Grand Junction, Colo.	11-12			0.29														0.13			
Green Bay, Wis.	12-13			1.41														0.38			
Harrisburg, Pa.	27-28			1.83														0.48			
Hatteras, N. C.	6	2:00 a. m.	6:00 a. m.	1.79	3:03 a. m.	4:10 a. m.	0.15	0.23	0.40	0.52	0.65	0.77	0.83	0.87	0.93	0.96	1.02	1.19	1.38		
Huron, S. Dak.	25-26			0.33														0.11			
Indianapolis, Ind.	3-4			2.12														0.42			
Jacksonville, Fla.	20-21	11:08 p. m.	1:35 a. m.	1.06	11:25 p. m.	12:10 a. m.	0.04	0.16	0.39	0.47	0.49	0.53	0.58	0.75	0.85	0.91	0.94	0.97			
Jupiter, Fla.	20	6:36 p. m.	8:25 p. m.	1.94	6:50 p. m.	7:30 p. m.	0.02	0.09	0.16	0.43	0.88	1.41	1.65	1.76	1.86						
Do	22-23	10:50 p. m.	12:40 a. m.	2.80	10:55 p. m.	12:10 a. m.	0.02	0.08	0.36	0.66	1.01	1.24	1.45	1.83	2.10	2.12	2.22	2.42	2.76		
Do	23	12:44 p. m.	8:25 p. m.	1.49	4:35 p. m.	5:15 p. m.	0.51	0.11	0.20	0.37	0.48	0.56	0.62	0.74	0.83	0.85					
Do	23-24	8:25 p. m.	10:00 a. m.	3.39	5:20 a. m.	6:35 a. m.	0.60	0.19	0.33	0.61	0.89	1.16	1.35	1.52	1.70	1.77	1.90	2.07	2.47		
Kalispell, Mont.	7-8			0.11														0.05			
Kansas City, Mo.	12			0.43									0.43								
Key West, Fla.	19	3:20 a. m.	5:20 a. m.	1.54	3:50 a. m.	4:40 a. m.	0.05	0.07	0.19	0.36	0.56	0.78	0.91	0.92	0.94	1.19	1.38	1.41			
		4:10 p. m.	5:50 p. m.	0.88	4:35 p. m.	5:15 p. m.	0.04	0.11	0.21	0.35	0.43	0.50	0.55	0.62	0.71	0.75	0.77	0.82			
Knoxville, Tenn.	13			0.22														0.22			
La Crosse, Wis.	25			0.46														0.23			
Lewiston, Idaho.	30-31			0.16														0.10			
Lexington, Ky.	11			1.24														*			
Lincoln, Nebr.	11-12			0.90														0.30			
Little Rock, Ark.	2-3	8:15 p. m.	12:25 p. m.	1.81	9:05 p. m.	9:45 p. m.	0.15	0.15	0.27	0.31	0.42	0.49	0.56	0.62	0.66	0.69	0.71	0.75			
Los Angeles, Cal.	24			0.39														0.19			
Louisville, Ky.	3-4			0.63														0.27			
Lynchburg, Va.	4-5			7.22														0.67			
Macon, Ga.	26-27			1.36														0.33			
Memphis, Tenn.	3	D. N.	3:30 p. m.	2.63	12:10 p. m.	1:25 p. m.	1.28	0.04	0.09	0.15	0.24	0.47	0.61	0.63	0.64	0.66	0.68	0.74	1.18		
Meridian, Miss.	3	2:37 p. m.	5:00 p. m.	1.10	2:38 p. m.	3:10 p. m.	T.	0.07	0.35	0.54	0.68	0.94	1.01								
Do	10-11	7:10 a. m.	D. N.	2.74	6:00 p. m.	7:15 p. m.	1.51	0.07	0.10	0.16	0.24	0.34	0.42	0.45	0.50	0.54	0.58	0.66	0.86	0.98	
Milwaukee, Wis.	12			1.53														0.36			
Montgomery, Ala.	10-11	9:04 a. m.	8:30 a. m.	2.52	12:20 a. m.	12:45 a. m.	1.55	0.11	0.16	0.34	0.54	0.61	0.63								
Nantucket, Mass.	11-12			1.59														0.38			
Nashville, Tenn.	13			0.78														0.57			
New Haven, Conn.	5-6			2.25														0.58			
New Orleans, La.	14	2:55 a. m.	3:15 a. m.	0.47	2:59 a. m.	3:12 a. m.	T.	0.16	0.39	0.47											
New York, N. Y.	27-28			2.36														0.57			
Norfolk, Va.	†	9:35 p. m.	1:30 a. m.	1.10	12:10 a. m.	12:45 a. m.	0.24	0.05	0.10	0.24	0.40	0.60	0.70	0.77	0.80	0.85					
Northfield, Vt.	27-28			1.44														0.14			
Oklahoma, Okla.	30-31			0.92														0.46			
Omaha, Nebr.	11-12			1.31														0.34			
Palestine, Tex.	19			0.72														0.53			
Parkersburg, W. Va.	11			0.74														0.12			
Pensacola, Fla.	3	7:24 p. m.	8:13 p. m.	0.76	7:32 p. m.	7:52 p. m.	0.03	0.18	0.46	0.59	0.71										
Philadelphia, Pa.	6	12:05 a. m.	1:00 a. m.	0.48	12:35 a. m.	12:50 a. m.	T.	0.07	0.33	0.45	0.48										
Pittsburg, Pa.	3-4			1.14														0.37			
Pocatello, Idaho.	25			0.04						0.04											
Portland, Me.	18-19			1.05														0.42			
Portland, Oreg.	30			0.20							0.30										
Pueblo, Colo.	2-3			0.39														0.04			
Raleigh, N. C.	11			0.85														0.33			
Richmond, Va.	11-12	5:58 p. m.	D. N.	1.63	7:08 p. m.	7:55 p. m.	0.01	0.08	0.21	0.33	0.48	0.67	0.75	0.81	1.01	1.09	1.12				
Rochester, N. Y.	18-19			0.48														0.26			
St. Louis, Mo.	2-3			1.65														0.29			
St. Paul, Minn.	25			0.50														0.20			
Salt Lake City, Utah.	22			0.17														0.15			
San Diego, Cal.	24			0.06																	
Sandusky, Ohio.	18			0.50												0.50					
San Francisco, Cal.	23			0.45														0.32			
Savannah, Ga.	26-27			2.82														0.68			
Scranton, Pa.	27-28			1.95														0.34			
Seattle, Wash.	15-16			1.18														0.55			
Shreveport, La.	2-3	10:35 p. m.	10:40 a. m.	3.03	10:35 p. m.	11:00 p. m.	0.00	0.19	0.47	0.64	0.68	0.72	0.73	0.76							
Spokane, Wash.	22			0.17														0.09			
Springfield, Ill.	3-4			1.40														0.21			
Springfield, Mo.	2-3			1.67														0.45			
Tampa, Fla.	9	3:05 p. m.	4:30 p. m.	1.44	3:35 p. m.	4:10 p. m.	T.	0.24	0.62	0.85	1.02	1.16	1.26	1.31	1.32						

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														
Taylor, Tex.	22-23	11:25 p. m.	5:50 a. m.	0.78	2:13 a. m.	2:40 a. m.	0.05	0.12	0.22	0.31	0.44	0.50	0.54	0.55							
Toledo, Ohio	18	4:00 a. m.	7:15 a. m.	0.86	4:17 a. m.	4:52 a. m.	0.01	0.11	0.12	0.20	0.36	0.52	0.66	0.72	0.73						
Topeka, Kan	3-4			2.00														0.16			
Valentine, Nebr	31			0.19														0.14			
Vicksburg, Miss	13	2:10 p. m.	2:53 p. m.	0.65	2:20 p. m.	2:50 p. m.	0.01	0.04	0.13	0.31	0.38	0.56	0.64								
Washington, D. C	4-5			2.47														0.43			
Wilmington, N. C	5-6	6:20 p. m.	D. N.	1.31	6:55 p. m.	7:25 p. m.	0.05	0.04	0.12	0.32	0.45	0.54	0.60	0.63							
Yankton, S. Dak	25	7:25 p. m.	8:50 p. m.	0.70	7:25 p. m.	7:35 p. m.	0.00	0.33	0.50	0.51	0.52										
Basseterre, St. Kitts	6			0.27						0.26											
Bridgetown, Barbados	10			0.62									0.58								
Cienfuegos, Cuba	12	3:57 p. m.	5:12 p. m.	1.30	4:03 p. m.	4:50 p. m.	T.	0.06	0.09	0.15	0.30	0.43	0.72	1.01	1.09	1.24	1.29				
Do	14	4:27 p. m.	5:12 p. m.	1.09	4:35 p. m.	4:58 p. m.	T.	0.08	0.25	0.58	0.95	1.08	1.09								
Do	16	10:23 p. m.	11:25 p. m.	1.09	10:27 p. m.	10:55 p. m.	0.01	0.22	0.56	0.71	0.88	0.97	1.03	1.05	1.06						
Do	26	5:20 p. m.	9:55 p. m.	1.48	5:52 p. m.	7:24 p. m.	0.01	0.13	0.23	0.38	0.47	0.51	0.57	0.58	0.59	0.60	0.61	0.66	0.96	1.17	1.26
Havana, Cuba	31			0.59														0.50			
Kingston, Jamaica	19			0.56										0.56							
Puerto Principe, Cuba	11	6:47 p. m.	7:40 p. m.	2.34	6:50 p. m.	7:30 p. m.	0.02	0.23	0.60	0.90	1.36	1.73	2.05	2.22	2.31						
San Juan, Porto Rico	9	2:05 p. m.	3:20 p. m.	1.15	2:30 p. m.	3:15 p. m.	0.14	0.22	0.50	0.55	0.55	0.60	0.63	0.67	0.89	1.01					
Santiago de Cuba, Cuba	31	1:45 p. m.	3:47 p. m.	1.28	2:30 p. m.	2:57 p. m.	0.04	0.15	0.42	0.74	0.90	1.13	1.20								
Santo Domingo, S. Dom.	8	3:15 p. m.	D. N.	0.58	5:05 p. m.	5:25 p. m.	0.02	0.17	0.31	0.43	0.49										
Willemstad, Curaçoa	6			0.07								0.07									

† September 30 to October 1.

TABLE VI.—*Data furnished by the Canadian Meteorological Service, October, 1902.*

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	29.74	29.88	—.03	45.9	+ 0.5	52.7	39.2	4.64	—0.71	
Sydney, C. B. I	29.94	29.98	+.02	47.6	+ 1.1	55.3	39.9	4.18	—0.51	
Halifax, N. S	29.90	30.01	+.01	49.7	+ 2.5	58.4	41.1	4.25	—1.30	
Grand Manan, N. B	29.93	29.98	—.02	48.1	+ 1.2	55.0	41.3	3.63	—1.08	
Yarmouth, N. S	29.96	30.03	+.01	48.8	+ 1.2	55.6	41.9	3.49	—1.21	T.
Charlottetown, P. E. I	29.92	29.96	.00	47.5	+ 1.0	54.7	40.4	2.91	—1.99	T.
Chatham, N. B	29.88	29.90	—.06	45.2	+ 2.2	54.3	36.1	3.14	—0.72	T.
Father Point, Que	28.89	29.91	—.04	39.8	0.0	46.4	33.3	3.76	+0.86	1.9
Quebec, Que	29.64	29.97	—.03	41.2	— 1.2	47.9	34.5	4.44	+1.29	0.2
Montreal, Que	29.79	30.00	—.01	45.0	+ 0.2	52.1	37.9	2.67	—0.46	
Bissett, Ont	29.41	30.03	+.02	39.4	— 3.4	50.0	28.7	4.54	+2.11	2.0
Ottawa, Ont	29.73	30.06	+.05	43.8	0.0	52.2	35.4	3.31	+0.76	T.
Kingston, Ont	29.70	30.01	—.02	48.0	+ 1.0	56.6	39.3	3.46	+0.73	T.
Toronto, Ont	29.65	30.03	—.01	48.7	+ 2.1	57.3	40.0	2.77	+0.41	T.
White River, Ont	28.67	30.01	+.03	35.6	+ 1.5	45.5	25.6	3.11	+0.76	2.2
Port Stanley, Ont	29.39	30.03	—.02	49.1	+ 1.3	57.7	40.4	2.46	—0.52	1.3
Saugeen, Ont	29.32	30.03	+.01	47.7	+ 1.6	55.7	39.7	3.82	+0.65	0.1
Parry Sound, Ont	29.30	30.00	—.01	44.5	+ 0.6	53.3	35.7	3.61	— 0.31	
Port Arthur, Ont	29.26	29.97	—.01	40.6	+ 0.7	48.3	32.9	2.78	+ 0.22	
Winnipeg, Man	29.13	29.97	—.01	41.9	+ 2.8	53.3	30.5	1.93	+ 0.23	T.
Minnedosa, Man	28.17	30.02	+.05	41.2	+ 3.4	52.5	29.8	0.70	— 0.50	1.6
Qu'Appelle, Assin	27.70	29.96	—.01	42.1	+ 2.7	54.0	30.2	0.10	— 1.00	
Medicine Hat, Assin	27.68	29.97	.00	47.9	+ 3.1	62.3	33.4	0.39	— 0.19	
Swift Current, Assin	27.41	30.00	+.03	44.1	+ 2.0	57.2	31.1	0.08	— 0.80	0.2
Calgary, Alberta	26.37	29.91	—.04	45.0	+ 4.9	57.5	32.4	0.61	+ 0.13	T.
Banff, Alberta	25.37	29.98	+.03	40.4	+ 1.1	51.1	29.8	1.72	+ 0.70	6.3
Edmonton, Alberta	27.60	29.90	—.03	44.2	+ 3.1	56.4	32.0	0.30	— 0.40	
Prince Albert, Sask	28.35	29.93	—.04	38.8	+ 1.7	50.0	27.5	0.13	— 0.70	0.6
Battleford, Sask	28.20	29.96	—.01	41.8	+ 2.2	55.1	28.6	0.14	— 0.31	
Kamloops, B. C	28.74	29.96	.00	49.2	+ 2.2	58.5	39.8	T.	— 0.61	
Victoria, B. C	29.91	30.01	.00	52.4	+ 3.2	57.9	46.9	1.09	— 1.23	
Barkerville, B. C	25.65	29.97	+.03	40.3	+ 0.6	49.6	30.9	0.91	— 1.79	0.3
Hamilton, Bermuda	29.88	30.04	+.02	74.2	+ 1.2	78.6	69.8	13.18	+ 6.47	

TABLE VII.—*Heights of rivers referred to zeros of gages, October, 1902.*

Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.
			Height.	Date.	Height.	Date.		
Mississippi River.	*Miles.*	*Feet.*	*Feet.*		*Feet.*		*Feet.*	*Feet.*
St. Paul, Minn.	1,954	14	2.3	30,31	1.7	20,21	2.0	0.6
Reeds Landing, Minn.	1,884	12	1.3	30,31	0.7	25	1.0	0.6
La Crosse, Wis.	1,819	12	2.2	1-3,31	1.8	17,22-24	2.0	0.4
Prairie du Chien, Wis.	1,759	18	1.8	2,3	1.4	20-27	1.5	0.4
Dubuque, Iowa	1,699	15	2.7	2	2.0	23,24	2.3	0.7
Leclaire, Iowa	1,609	10	1.7	1	1.1	13,14,17	1.3	0.6
Davenport, Iowa	1,593	15	3.0	2,18-21	2.4	24,29-31	2.7	0.6
Muscatine, Iowa	1,562	16	4.1	19,20	3.1	25,30,31	3.5	1.0
Galland, Iowa	1,472	8	4.3	20	2.0	31	2.8	2.3
Keokuk, Iowa	1,463	15	8.8	22	3.8	31	6.1	5.0
Hannibal, Mo.	1,402	13	10.2	23,24	4.9	31	7.4	5.3
Grafton, Ill.	1,306	23	12.4	26	8.6	31	10.5	3.8
St. Louis, Mo.	1,264	30	20.8	9	11.6	31	16.8	9.2
Chester, Ill.	1,189	30	17.0	10	9.4	31	13.4	7.6
New Madrid, Mo.	1,003	34	17.2	12	10.8	1	14.4	6.4
Memphis, Tenn.	843	33	12.8	14	4.4	1	9.7	8.4
Helena, Ark.	767	42	18.6	15	6.9	1	14.6	11.7
Arkansas City, Ark.	635	42	20.3	17	6.8	1	15.9	13.5
Greenville, Miss.	595	42	16.3	17	6.0	1	12.6	10.3
Vicksburg, Miss.	474	45	17.2	18,19	4.8	3	12.7	12.4
New Orleans, La.	108	16	6.5	23	3.7	2	4.9	2.8
Yellowstone River.								
Glendive, Mont.	98	17	0.9	2,3	-0.1	30,31	0.4	1.0
James River.								
Lamoure, N. Dak.	.....	25	-1.1	1-3	-1.9	27-31	-1.4	0.8
Huron, S. Dak.	210	9	0.5	1,2	0.1	21-23	0.3	0.4
Missouri River.								
Townsend, Mont.	2,504	10	3.8	18-31	3.6	1-8	3.7	0.2
Fort Benton, Mont.	2,285	12	1.0	30,31	0.5	1	0.9	0.5
Buford, N. Dak.	.....	.....	.....	.....	.....	.....	.....	.....
Bismarck, N. Dak.	1,309	14	0.9	17	0.4	15,16	0.6	0.5
Pierre, S. Dak.	1,114	14	1.5	31	1.3	24-28	1.4	0.2
Sioux City, Iowa	784	19	6.1	1	5.6	26-28,30,31	5.8	0.5
Omaha, Nebr.	669	18	6.7	1	5.5	31	6.0	1.2
St. Joseph, Mo.	481	10	4.2	16	1.8	31	2.7	2.4
Kansas City, Mo.	388	21	14.9	7	7.7	31	10.9	7.2
Boonville, Mo.	199	20	14.5	8	8.2	31	11.7	6.3
Hermann, Mo.	103	24	16.3	8	7.4	31	12.1	8.9
Illinois River.								
Peoria, Ill.	135	14	14.3	9-11,16,17	12.1	1	13.6	2.2
Youghiogheny River.								
Confluence, Pa.	59	10	2.0	7,12	0.5	3,30,31	1.1	1.5
West Newton, Pa.	15	23	5.6	12	0.2	1,2	1.1	5.4
Allegheny River.								
Warren, Pa.	177	14	1.3	9,15	0.0	1	0.7	1.3
Oil City, Pa	123	13	2.0	16	0.4	1	1.3	1.6
Parker, Pa.	73	20	2.4	8,9	0.7	29	1.6	1.7
Monongahela River.								
Weston, W. Va.	161	18	3.0	14	-1.2	25-27	-0.2	4.2
Fairmont, W. Va.	119	25	5.1	12	1.0	9-11	1.6	4.1
Greensboro, Pa.	81	18	9.8	12,13	6.5	26-30	7.5	3.3
Lock No. 4, Pa.	40	28	13.0	13	5.9	29	8.3	7.1
Conemaugh River.								
Johnstown, Pa.	64	7	5.5	12	0.9	3,4	2.2	4.6
Red Bank Creek.								
Brookville, Pa.	35	8	0.5	1-31	0.5	1-31	0.5	0.0
Beaver River.								
Elwood Junction, Pa.	10	14	3.5	12-14,17,18	2.5	1-5	3.2	1.0
Great Kanawha, River.								
Charleston, W. Va.	58	30	7.2	8	5.2	9	6.5	2.0
Little Kanawha River.								
Glenville, W. Va	103	20	3.5	12	-1.8	31	0.5	5.3
New River.								
Hinton, W. Va.	95	14	2.5	7	1.1	25-27	1.4	1.4
Cheat River.								
Rowlesburg, W. Va.	36	14	4.5	2	1.6	11,27	2.6	2.9
Ohio River.								
Pittsburg, Pa.	966	22	8.5	13	3.7	16	5.9	4.8
Davis Island Dam, Pa.	960	25	9.2	13	2.7	2,3	4.3	6.5
Wheeling, W. Va.	875	36	10.5	14	2.9	30,31	5.0	7.6
Parkersburg, W. Va.	785	36	9.8	15	2.7	1	5.9	7.1
Point Pleasant, W. Va.	703	39	9.1	16	2.3	2,3,31	4.1	6.8
Huntington, W. Va.	660	50	12.2	17	4.5	1	7.0	7.7
Catlettsburg, Ky.	651	50	11.5	17	1.8	1	5.2	9.7
Portsmouth, Ohio	612	50	11.7	17	3.0	1	6.5	8.7
Cincinnati, Ohio	499	50	12.3	19	4.4	1	7.6	7.9
Madison, Ind	413	46	10.4	20	4.0	1,2	7.1	6.4
Louisville, Ky	367	28	6.1	20,21	3.4	1	4.5	2.7
Evansville, Ind	184	35	7.4	24	2.4	2	4.8	5.0
Paducah, Ky.*	47	40	6.9	12,13	2.9	1	5.3	4.0
Cairo, Ill.	1,073	45	20.0	12	13.0	1	17.0	7.0
Muskingum River.								
Zanesville, Ohio	70	20	7.6	7	5.7	26,28-31	6.3	1.9
Scioto River.								
Columbus, Ohio	110	17	4.0	6-8	2.1	31	2.9	1.9
Miami River.								
Dayton, Ohio	77	18	4.8	5	0.8	31	1.8	4.0
Wabash River.								
Mount Carmel, Ill.	50	15	9.0	9,10	2.6	31	4.8	6.4
Licking River.								
Falmouth, Ky.	30	25	2.0	2	0.2	1	1.1	1.8
Kentucky River.								
Frankfort, Ky.	65	31	6.5	16-18	5.7	3-6	6.0	0.8
Clinch River.								
Speers Ferry, Va.	156	20	0.8	1	0.0	28,30,31	0.3	0.8
Clinton, Tenn.	52	25	5.5	3	2.8	30,31	3.9	2.7
Holston River.								
Rogersville, Tenn.	103	14	2.1	2,3	1.3	25	1.6	0.8
French Broad River.								
Leadvale, Tenn.	70	15	.....	.....	.....	.....	.....	.....
Tennessee River.								
Knoxville, Tenn.	635	29	2.0	1	0.3	24-28	0.9	1.7
Kingston, Tenn.	556	25	2.6	2	1.0	30,31	1.5	1.6
Chattanooga, Tenn.	452	33	3.9	1,3	1.2	30,31	2.4	2.7
Tennessee River.—Cont'd.	*Miles.*	*Feet.*	*Feet.*		*Feet.*		*Feet.*	*Feet.*
Bridgeport, Ala.	402	24	2.1	3	0.2	30,31	1.1	1.9
Florence, Ala.	255	16	1.7	2	-0.2	31	0.9	1.9
Riverton, Ala.	225	25	1.9	2	-1.2	31	0.5	3.1
Johnsonville, Tenn.	95	24	3.5	2,3	0.7	31	2.2	2.8
Cumberland River.								
Burnside, Ky.	516	50	3.9	14	1.5	31	2.3	2.4
Carthage, Tenn.	305	40	4.6	14	0.8	31	2.2	3.8
Nashville, Tenn	189	40	6.8	15	1.7	31	3.6	5.1
Clarksville, Tenn.	126	42	8.4	16	2.6	31	5.0	5.8
Arkansas River.								
Wichita, Kans.	832	10	2.4	2-7	1.4	30	1.8	1.0
Webbers Falls, Ind. T.	465	23	8.8	9	1.9	30,31	4.5	6.9
Fort Smith, Ark.	403	22	9.3	1	3.0	31	5.6	6.3
Dardanelle, Ark	256	21	9.5	1	1.9	31	5.2	7.6
Little Rock, Ark.	176	23	11.5	1	3.3	31	6.7	8.2
White River.								
Newport, Ark.	150	26	1.3	12	0.3	31	0.9	1.0
Yazoo River.								
Yazoo City, Miss.	80	25	1.5	8,9	-2.1	30,31	-0.5	3.6
Red River.								
Arthur City, Tex.	638	27	13.4	4	4.7	30,31	7.0	8.7
Fulton, Ark.†	515	28	19.5	6,7	6.4	31	12.4	13.1
Shreveport, La.	327	29	14.2	1	5.2	31	9.5	9.0
Alexandria, La.	118	33	13.0	4	4.3	31	9.1	8.7
Ouachita River.								
Camden, Ark.	304	39	14.8	7	4.5	29-31	7.3	10.3
Monroe, La.	122	40	14.1	1	2.8	30,31	7.4	11.3
Atchafalaya River.								
Melville, La.	100	31	18.5	18-20	9.2	1	15.3	9.3
Susquehanna River.								
Binghamton, N. Y.	306	16	9.1	29	3.2	25-27	4.1	5.9
Towanda, Pa.	262	16	6.9	29	1.6	27	2.8	5.3
Wilkesbarre, Pa	183	17	12.2	30	4.6	27	6.7	7.6
Harrisburg, Pa	69	17	6.0	2,31	2.2	25	3.9	3.8
West Branch Susquehanna.								
Lock Haven, Pa.	65	12	.....	.....	.....	.....	.....	.....
Williamsport, Pa	39	20	4.1	2	0.9	26,27	1.7	3.2
Juniata River.								
Huntingdon, Pa.	90	24	4.7	28	3.0	4,5,8-11	3.3	1.7
Potomac River.								
Cumberland, Md.‡	290	8	3.8	13	1.1	1,27	2.0	2.7
Harpers Ferry, W. Va	172	18	1.8	15,16	-0.8	28	0.0	2.6
James River.								
Lynchburg, Va	260	18	4.0	5	-0.1	1-4,23-31	0.5	4.1
Richmond, Va.	111	12	12.0	6	-0.6	2	0.8	12.6
Roanoke River.								
Weldon, N. C.	129	30	35.5	8	8.7	25,26	3.8	26.8
Cape Fear River.								
Fayetteville, N. C	112	38	8.0	14	1.6	27	3.8	6.4
Edisto River.								
Edisto, S. C	75	6	4.0	20-22	2.3	1-6	3.3	1.7
Pedee River.								
Cheraw, S. C	149	27	19.3	7	1.6	26	4.2	17.7
Black River.								
Kingstree, S. C	52	12	1.1	20-24	-0.4	3-7	0.5	1.5
Lynch Creek.								
Effingham, S. C.	35	12	4.3	20,21	2.7	1	3.5	1.6
Santee River.								
St. Stephens, S. C.	97	12	7.0	11	1.6	27	4.8	5.4
Congaree River.								
Columbia, S. C.	37	15	8.5	28	-0.2	19,26	1.4	8.7
Wateree River.								
Camden, S. C.	45	24	15.2	6	4.6	25,26	7.7	10.6
Waccamaw River.								
Conway, S. C.	40	7	3.0	11	1.1	30	2.1	1.9
Savannah River.								
Calhoun Falls, S. C.	347	15	4.0	27	2.0	26	2.9	2.0
Augusta, Ga.	268	32	10.9	7	6.9	23	8.3	4.0
Broad River.								
Carlton, Ga.	30	11	3.9	1	2.2	25-27	2.6	1.7
Flint River.								
Albany, Ga.	80	20	2.2	1	0.4	20	1.4	1.8
Chattahoochee River.								
Westpoint, Ga	239	20	3.8	1	1.9	25,26	2.5	1.9
Ocmulgee River.								
Macon, Ga.	125	18	5.6	2	3.1	25,26	4.0	2.5
Oconee River.								
Dublin, Ga	79	30	2.9	6	-0.6	25,26	1.1	3.5
Coosa River.								
Rome, Ga.	271	30	2.3	11	0.2	27	1.1	2.1
Gadsden, Ga.	144	18	3.4	13	-0.8	31	0.4	4.2
Alabama River.								
Montgomery, Ala.	265	35	6.6	1	0.1	27	2.1	6.5
Selma, Ala.	212	35	6.0	14	-0.1	29	2.7	6.1
Tombigbee River.								
Columbus, Miss.	303	33	-0.6	4	-3.3	29-31	-2.4	2.7
Demopolis, Ala.	155	35	9.5	14	-1.6	31	2.3	11.1
Black Warrior River.								
Tuscaloosa, Ala.	90	43	15.4	12	4.9	9,10,28-31	6.5	10.5
Brazos River.								
Kopperl, Tex	369	21	3.9	4	-1.4	18-31	-0.4	5.3
Waco, Tex.	301	24	7.2	5	3.0	20,29,31	4.1	4.2
Booth, Tex	76	39	30.5	5	1.0	27-31	8.5	29.5
Red River of the North.								
Moorhead, Minn.	418	26	7.8	28,29	6.9	22	7.3	0.9
Columbia River.								
Umatilla, Oreg.	270	25	2.7	1-3	0.7	21,22	1.0	2.0
The Dalles, Oreg.	166	40	3.8	1	1.7	31	2.6	2.1
Willamette River.								
Albany, Oreg	118	20	1.0	1-3,15-31	0.8	4-12	0.9	0.2
Portland, Oreg.	19	15	3.9	22	0.5	11,12	2.1	3.4
Sacramento River.								
Red Bluff, Cal.	265	23	4.0	25	-0.1	1-13,15-20	0.8	4.1
Sacramento, Cal.	64	29	10.3	27,28	6.9	6-8	7.7	3.4

*30 days only. †22 days only. ‡29 days only.