Maximum wind velocities.

Stations.	Date.	Velocity.	Direction.	Stations.	Date.	Velocity.	Direction.
Block Island, R. I	26	62	w.	Mount Tamalpais, Cal.	9	60	nw.
Boston, Mass	1	50	w.	New York, N. Y	8	56	w.
Do.	2	52	w.	Do.	21	57	nw.
Do.	11	52	e.	Do.	26	76	w.
Do.	12	50	sw.	Do.	27	59	nw.
Do.	27	51	w.	Do.	29	58	nw.
Buffalo, N. Y	2	68	w.	Pierre, S. Dak	24	56	nw.
Cleveland, Ohio	26	52	w.	Point Reyes Light, Cal.	2	60	sw.
Eastport, Me	1	50	e.	Sioux City, Iowa	24	60	nw.
Do.	29	52	ne.	Woods Hole, Mass	26	59	nw.
Helena, Mont	23	52	w.	Do.	29	59	sw.
Mount Tamalpais, Cal.	2	64	se.				

ATMOSPHERIC ELECTRICITY.

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

Thunderstorms.—Reports of 266 thunderstorms were received during the current month as against 426 in 1899 and 167 during the preceding month.

The dates on which the number of reports of thunderstorms for the whole country were most numerous were: 11th, 51; 10th, 36; 9th, 25; 24th, 21.

Reports were most numerous from: Texas, 49; Louisiana, 26; Georgia, 23.

Auroras.—The evenings on which bright moonlight must have interfered with observations of faint auroras are assumed to be the four preceding and following the date of full moon, viz, 11th to 19th.

The greatest number of reports were received for the following dates: 20th, 48; 21st, 7; 24th, 6.

Reports were most numerous from Minnesota, 19; Montana, 13; South Dakota, 12.

In Canada.—Auroras were reported as follows: Toronto, 20th; Minnedosa, 4th, 5th, 25th, 26th; Banff, 19th; Prince Albert, 22d; Battleford, 5th, 21st, 25th; Barkerville, 24th, 25th, 26th.

DESCRIPTION OF TABLES AND CHARTS.

By ALFRED J. HENRY, Chief of Division of Meteorological Records.

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 44 stations selected out of 144 that maintain continuous records, the mean hourly temperatures deduced from the Richard thermographs described and figured in the Report of the Chief of the Weather Bureau, 1891–92, p. 29.

Table IV gives, for 44 stations selected out of 142 that maintain continuous records, the mean hourly pressures as automatically registered by Richard barographs, except for Washington, D. C., where Foreman's barograph is in use. Both instruments are described in the Report of the Chief of the Weather Bureau, 1891–92, pp. 26 and 30.

Table V gives, for about 157 stations, the arithmetical means of the hourly movements of the wind ending with the respective hours, as registered automatically by the Robinson anemometer, in conjunction with an electrical recording mechanism, described and illustrated in the Report of the Chief of the Weather Bureau, 1891–92, p. 19.

Table VI 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 VII 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 VIII gives, for about 95 stations, the average hourly sunshine (in percentages) as derived from the automatic records made by two essentially different types of instruments, designated, respectively, the thermometric recorder and the photographic recorder. The kind of instrument used at each station is indicated in the table by the letter T or P in the column following the name of the station.

Table IX 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 pr. hr. (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 X 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 XI gives the heights of rivers referred to zeros of gages.

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 8 a. m. and 8 p. m., seventy-fifth meridian time, observations. Within each circle is also given (Chart I) the highest barometric reading and (Chart II) the lowest pressure at or near the center at that time.

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, temperature, and resultant surface winds. The wind directions on this Chart 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. The temperatures are the means of daily maxima and minima and are reduced to sea level. The pressures are the means of 8 a. m. and 8 p. m. observations, daily, and are reduced to sea level and to standard gravity. The reduction for 30 inches of the mercurial barometer, as formerly shown by the marginal figures for each degree of latitude, has already been applied.

Chart V.—Hydrographs for seven principal rivers of the United States.

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

Chart IX.—Snow on ground on January 31, 1900.

Chart X.—Sea-level pressure, temperature, and resultant winds, West Indian stations.

TABLE 1.—*Climatological data for Weather Bureau Stations, January*, 1900.

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.	Mean actual, 8 a. m. + 8 p. m. ÷ 2.	Mean reduced.	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.							28.8	+ 2.1										76	4.40	+ 0.4										5.9	
Eastport	76	69	74	29.87	29.96	— .04	23.0	+ 2.6	48	20	32	1	24	14	40	22	18	76	5.27	+ 1.3	16	10,900	w.	52	ne.	29	9	6	16	6.5	15.2
Portland, Me.	103	81	89	29.86	29.96	— .09	23.9	+ 1.4	52	19	33	1	4	15	31	22	16	73	6.28	+ 2.7	16	6,302	sw.	42	se.	29	7	13	11	6.1	19.9
Northfield	872	15	65	29.03	30.04	— .03	17.6	+ 2.1	49	19	30	—12	3	6	43	15	11	80	2.61	— 0.5	11	7,560	s.	48	nw.	21	3	12	16	7.2	25.5
Boston	125	115	181	29.87	30.01	— .05	30.0	+ 3.0	60	19	40	8	4	21	33	27	22	72	4.20	+ 0.1	13	9,314	nw.	48	w.	26	7	15	9	5.9	9.3
Nantucket	14	43	54	30.01	30.02	— .01	34.4	+ 3.0	57	20	42	14	26	27	32	32	28	78	3.20	— 0.5	13	10,043	nw.	46	se.	29	7	9	15	6.5	5.2
Woods Hole	22	11	57	30.02	30.04	— .03	32.7	+ 2.4	55	20	40	11	1	25	30	31	27	82	4.96	+ 1.2	13	13,153	nw.	59	nw.	26	7	12	12	5.9	4.7
Vineyard Haven	.....	20	55	.....	.....	.....	33.4	0.0	59	20	42	12	1	25	27	....	....	....	5.77	+ 2.2	12	8,210	nw.	42	ne.	29	7	14	10	5.8	7.8
Block Island	27	11	70	30.00	30.03	— .05	33.6	+ 2.5	57	20	41	15	27	26	28	31	27	74	3.86	— 0.3	12	15,305	nw.	62	w.	26	8	16	7	5.0	7.0
Narragansett	.....	10	....	.....	.....	.....	29.9	+ 1.1	54	20	40	3	4	20	34	....	....	....	4.23	— 1.1	16	.....	w.	....	.....	...	20	1	10	....	8.5
New Haven	107	117	140	29.93	30.05	— .06	30.0	+ 2.5	56	20	39	9	26	21	30	27	22	76	3.60	— 0.7	14	7,389	n.	48	nw.	26	18	7	6	4.5	4.5
Mid. Atlan. States.							34.7	+ 2.2										75	2.68	— 1.0										5.5	
Albany	97	84	113	29.94	30.06	— .03	26.2	+ 3.0	50	23	35	3	31	17	32	24	20	80	2.33	— 0.6	11	6,771	s.	34	w.	26	2	14	15	6.8	7.9
Binghamton	875	79	90	.....	.....	.....	27.6	+ 5.2	53	20	36	3	31	19	31	....	....	....	1.59	— 1.4	13	5,941	nw.	33	w.	2	3	7	21	7.9	4.6
New York	314	108	346	29.72	30.07	— .04	33.2	+ 2.7	56	20	40	10	31	26	26	30	25	75	4.18	+ 0.1	13	12,917	nw.	76	w.	26	12	12	7	5.0	0.8
Harrisburg	374	94	104	.....	.....	.....	32.2	+ 1.9	56	23	39	7	31	25	25	....	....	....	2.07	— 1.6	12	6,173	w.	48	w.	26	6	10	15	6.6	1.4
Philadelphia	117	168	184	29.97	30.10	— .05	34.8	+ 2.8	58	23	42	9	31	27	26	31	26	74	3.34	0.0	11	7,515	nw.	36	nw.	26	10	11	10	5.7	2.3
Atlantic City	52	68	76	30.03	30.09	— .02	34.8	+ 2.3	58	20	42	10	31	27	29	32	28	78	2.40	— 1.4	11	9,029	nw.	44	nw.	26	11	12	8	5.0	1.8
Cape May	17	47	51	30.09	30.11	— .01	36.0	+ 1.6	58	23	42	13	31	30	25	33	....	....	2.80	— 1.6	11	7,159	nw.	36	nw.	26	10	12	9	5.3	1.6
Baltimore	123	68	82	29.96	30.10	— .04	36.2	+ 2.2	62	23	44	10	31	28	26	32	27	74	2.11	— 1.2	11	3,932	sw.	26	w.	26	5	15	11	6.2	2.5
Washington	112	59	76	29.99	30.11	— .03	35.2	+ 2.0	64	23	44	8	30	26	35	30	25	72	1.92	— 1.6	11	5,584	nw.	38	w.	26	18	4	9	4.4	2.2
Cape Henry	.....	5	34	.....	.....	.....	40.7	+ 0.5	66	23	49	12	2	33	31	....	....	....	2.94	— 1.3	12	9,039	sw.	42	nw.	26	13	9	9	5.1	3.5
Lynchburg	685	83	88	29.35	30.10	— .05	37.6	+ 0.8	66	16	47	12	2	28	38	33	27	71	4.36	+ 0.4	7	3,129	nw.	26	nw.	25	13	12	6	4.3	T.
Norfolk	92	102	111	30.02	30.12	— .02	42.0	+ 1.6	65	18	50	13	2	34	29	37	33	76	2.13	— 1.7	9	7,028	s.	42	nw.	26	17	5	9	4.5	1.5
Richmond	144	98	105	.....	.....	.....	39.4	.....	68	16	48	12	2	31	37	....	....	....	2.71	.....	9	4,866	n.	26	w.	26	13	8	10	4.7	0.3
S. Atlantic States.							46.3	— 0.2										75	3.31	— 0.9										4.5	
Charlotte	773	68	76	29.27	30.12	— .03	41.4	+ 0.2	67	16	51	9	2	32	32	36	29	66	2.15	— 3.0	7	5,068	ne.	33	nw.	31	19	6	6	3.5	0.8
Hatteras	11	17	36	30.09	30.10	— .03	45.6	— 0.1	67	*	51	19	2	40	23	42	40	84	4.50	— 1.4	12	10,729	n.	48	nw.	26	12	10	9	4.6	
Kittyhawk	9	12	30	.....	.....	.....	43.6	+ 1.2	65	*	50	14	2	37	24	....	....	....	5.77	+ 0.6	8	9,152	.....	.....	.....	...	18	3	10	4.3	2.0
Raleigh	375	93	101	29.72	30.14	— .01	42.6	+ 1.8	68	16	52	11	2	33	33	37	31	71	2.95	— 0.6	11	4,750	sw.	25	nw.	31	15	7	9	4.6	2.0
Wilmington	78	82	90	30.04	30.13	— .01	47.2	+ 0.3	71	23	57	16	2	38	31	41	37	78	6.24	+ 2.3	10	5,978	w.	34	w.	12	16	4	11	4.5	0.1
Charleston	48	14	92	30.10	30.15	.00	49.9	— 0.1	69	25	58	22	2	42	23	43	38	70	3.10	— 0.9	11	7,178	n.	34	s.	11	12	9	10	4.5	T.
Columbia	.....	5	....	.....	.....	.....	45.2	— 0.5	72	16	56	15	2	34	37	....	....	....	1.57	— 2.2	9	.....	ne.	....	.....	...	13	7	11	5.3	0.9
Augusta	180	89	103	29.94	30.14	.00	44.9	— 1.7	69	16	55	15	2	34	33	39	35	76	1.65	— 2.8	11	4,554	nw.	31	w.	31	16	6	9	4.1	0.2
Savannah	65	79	89	30.06	30.13	— .04	49.9	— 1.1	72	23	58	22	2	42	27	44	39	75	3.46	+ 0.2	10	5,518	n.	30	nw.	31	15	5	11	5.0	
Jacksonville	43	69	84	30.07	30.12	— .02	52.7	— 2.5	73	10	61	23	3	45	31	47	44	81	1.71	— 1.6	10	5,264	ne.	28	w.	20	14	6	11	4.9	
Florida Peninsula.							62.7	— 2.0										82	3.39	+ 0.7										5.7	
Jupiter	28	13	30	30.04	30.07	— .04	63.8	— 1.9	77	18	70	37	3	58	24	58	56	82	3.49	0.0	15	7,965	nw.	31	ne.	4	5	16	10	5.7	
Key West	22	43	50	30.06	30.08	— .01	66.4	— 3.3	78	11	70	51	3	63	14	62	60	82	2.32	+ 0.2	11	8,398	ne.	36	nw.	31	13	8	10	5.2	
Tampa	36	60	67	30.06	30.10	— .04	57.8	— 0.9	75	10	66	27	3	49	34	52	49	82	4.36	+ 1.8	9	4,747	nw.	31	sw.	11	5	15	11	6.1	
East Gulf States.							46.8	— 1.0										72	2.94	— 2.3										5.0	
Atlanta	1,174	139	156	28.87	30.15	— .03	43.0	+ 0.5	66	11	51	11	2	35	27	37	31	70	2.32	— 3.4	9	8,800	nw.	43	nw.	29	13	7	11	4.8	T.
Macon	370	93	99	.....	.....	.....	44.4	.....	67	11	54	10	2	34	34	....	....	....	1.87	.....	9	4,755	nw.	26	nw.	31	11	11	9	4.7	T.
Pensacola	56	78	90	.....	.....	.....	51.3	— 1.2	69	25	59	23	3	44	25	....	....	....	2.47	— 2.2	6	6,896	ne.	36	sw.	11	11	13	7	4.8	
Mobile	57	88	96	30.08	30.15	.00	49.6	— 0.9	72	11	58	23	3	41	31	44	39	74	4.12	— 1.0	9	4,584	n.	28	sw.	11	10	11	10	5.3	T.
Montgomery	221	100	112	29.90	30.14	— .03	46.5	— 1.8	72	11	56	18	2	37	30	41	37	75	3.40	— 2.0	8	4,256	ne.	26	nw.	31	15	7	9	4.6	
Meridian	375	84	93	.....	.....	.....	45.2	— 1.8	68	7	55	17	3	36	34	....	....	....	2.41	— 3.2	7	3,869	w.	33	s.	10	9	11	11	5.5	
Vicksburg	247	65	73	29.85	30.13	— .03	48.6	+ 1.3	70	23	56	18	29	41	27	42	36	68	1.99	— 3.6	8	5,175	se.	24	nw.	28	11	9	11	5.3	T.
New Orleans	54	112	120	30.08	30.14	+ .02	52.2	— 1.6	70	25	59	29	2	45	22	47	43	75	3.69	— 1.5	8	5,612	n.	32	se.	10	12	10	9	5.2	
Port Eads	.....	27	...	.....	.....	.....	53.8	— 2.9	72	10	62	34	3	46	26	....	....	....	3.14	— 1.2	9	.....	ne.	....	.....	...	13	4	14	....	
West Gulf States.							50.0	+ 3.4										77	3.42	— 0.1										5.6	
Shreveport	249	77	84	29.88	30.15	— .01	48.2	+ 2.3	74	24	56	17	29	40	31	43	38	71	3.87	— 0.7	9	5,012	se.	28	n.	28	11	6	14	5.9	
Fort Smith	457	74	82	29.63	30.14	— .01	43.2	+ 7.1	70	15	52	12	3	34	31	38	34	76	1.71	— 0.7	9	5,258	e.	29	n	28	11	5	15	6.1	0.2
Little Rock	357	93	100	29.76	30.15	— .02	44.4	+ 3.6	69	15	53	13	29	36	30	41	37	79	2.61	— 2.3	6	5,627	nw.	30	nw.	25	10	9	12	5.8	T.
Corpus Christi	20	42	50	30.09	30.11	— .02	57.2	+ 1.7	73	9	63	29	29	52	31	53	51	83	2.42	— 0.5	9	7,425	ne.	33	n.	28	12	9	10	4.9	
Fort Worth	670	106	114	.....	.....	.....	47.3	.....	78	24	57	12	29	38	41	....	....	....	0.70	.....	6	7,733	nw.	32	n.	28	15	6	10	4.9	0.3
Galveston	54	84	88	30.05	30.10	— .02	54.2	+ 1.5	68	24	58	31	29	50	21	51	49	83	3.18	— 0.5	9	7,035	ne.	30	w.	11	11	6	14	5.8	
Palestine	510	54	61	29.59	30.15	— .02	49.4	+ 5.6	74	23	58	16	29	41	36	44	40	75	4.70	+ 0.4	10	4,879	s.	30	e.	10	8	7	16	6.4	0.1
San Antonio	704	95	104	29.36	30.12	— .01	53.3	+ 1.8	75	23	63	22	29	44	34	47	43	75	5.42	+ 3.7	9	5,775	n.	38	n.	28	9	12	10	5.2	
Ohio Val. & Tenn.							37.1	+ 2.8										76	2.64	— 1.6										5.9	
Chattanooga	762	106	112	29.33	30.18	+ .02	40.8	— 0.2	67	16	50	11	29	31	33	35	29	70	4.12	— 2.1	5	4,974	sw.	33	w.	25	9	16	6	5.0	T.
Knoxville	1,004	10	88	29.06	30.16	— .02	38.3	+ 0.6	65	16	47	6	2	29	30	34	29	76	3.35	— 2.2	8	5,435	ne.	37	s.	11	11	6	14	5.9	0.2
Memphis	399	140	154	29.71	30.16	.00	44.5	+ 4.6	69	24	52	14	29	37	27	39	32	65	2.21	— 3.3	9	7,597	nw.	30	nw.	25	10	11	10	5.4	0.2
Nashville	545	128	134	29.56	30.16	+ .01	39.8	+ 1.6	68	16	48	8	29	31	31	36	32	76	2.61	— 2.5	9	4,592	s.	25	nw.	25	7	12	12	6.0	0.1
Lexington	990	75	102	.....	.....	.....	35.9	+ 2.6	62	15	44	— 1	29	28	31	....	....	....	2.13	— 1.7	11	8,567	sw.	37	w.	25	11	5	15	6.1	1.3
Louisville	525	114	136	29.53	30.13	— .03	38.0	+ 3.9	65	17	46	4	29	30	34	35	31	79	3.10	— 0.9	10	6,638	sw.	31	nw.	25	11	10	10	5.5	0.8
Evansville	434	72	82	.....	.....	.....	38.0	.....	64	23	45	6	31	31	34	....	....	....	1.89	.....	9	5,736	s.	32	s.	24	14	7	10	4.9	0.2
Indianapolis	823	154	164	29.18	30.11	— .03	33.0	+ 4.7	61	24	40	— 2	31	25	37	29	25	76	1.54	— 1.4	11	8,602	sw.	39	sw.	24	8	9	14	6.3	1.2
Cincinnati	628	152	157	29.42	30.12	— .03	35.4	+ 2.9	62	15	43	2	29	28	36	32	28	76	2.54	— 0.9	13	6,369	se.	28	nw.	25	12	5	14	5.7	2.0
Columbus	824	87	100	29.18	30.10	— .03	32.8	+ 4.4	58	24	40	0	29	25	34	29	26	82	3.01	— 0.3	13	6,549	sw.	25	w.	25	9	5	17	6.5	0.5
Pittsburg	842	116	123	29.15	30.09	— .05	34.0	+ 3.4	59	24	42	2	31	26	30	30	27	80	1.54	— 1.6	16	5,672	nw.	25	nw.	14	7	8	16	6.7	2.5
Parkersburg	638	77	84	29.42	30.14	.00	35.5	+ 2.8	64	17	44	4	29	27	30	32	30	84	2.93	— 0.2	16	5,507	s.	36	nw.	25	11	9	11	6.0	0.8
Elkins	1,940	41	50	.....	.....	.....	31.4	.....	60	15	42	— 6	4	21	39	....	....	....	2.07	.....	18	4,238	w.	29	s.	11	5	11	15	6.8	5.8
Lower Lake Region.							28.6	+ 3.2										79	2.53	— 0.1										7.7	
Buffalo	768	178	206	29.17	30.04	— .04	27.6	+ 3.2	46	19	34	2	26	22	29	25	22	79	3.82	+ 0.8	18	12,605	w.	68	w.	2	0	13	18	8.1	9.4
Oswego	335	76	87	29.64	30.03	— .06	25.6	+ 1.3	46	22	34	4	31	18	32	24	20	79	4.03	+ 1.1	19	10,232	se.	40	nw.	27	1	10	20	8.0	22.8
Rochester	523	81	90	29.43	30.03	— .05	27.4	+ 3.5	50	22	34	2	31	21	26	24	20	76	4.31	+ 1.2	22	7,150	sw.	34	sw.	2	4	10	17	7.5	24.7
Erie	714	92	102	29.25	30.05	— .04	29.8	+ 2.9	50	25	36	0	31	23	30	27	25	83	2.61	— 0.7	17	10,420	sw.	40	s.	24	1	6	24	8.1	3.0
Cleveland	762	190	201	29.20	30.06	— .04	30.1	+ 3.9	54	24	37	0	31	24	38	27	23	77	2.23	— 0.3	13	13,081	sw.	52	w.	26	3	10	18	7.6	4.9
Sandusky	629	62	74	29.36	30.07	— .04	30.4	+ 3.9	56	24	37	— 1	31	24	31	27	23	76	1.35	— 0.9	9	7,310	sw.	34	nw.	26	2	7	22	8.1	1.2
Toledo	628	123	128	29.36	30.07	— .03	29.3	+ 3.2	54	24	36	— 2	31	22	32	26	23	79	0.73	— 1.4	10	8,656	sw.	30	w.	31	5	10	16	6.8	2.0
Detroit	730	160	166	29.22	30.05	— .01	28.3	+ 3.8	49	24	35	— 2	31	22	32	26	23	81	1.14	— 0.8	12	8,703	sw.	36	sw.	24	2	10	19	7.7	5.4
Upper Lake Region.							24.2	+ 6.6										84	1.29	— 0.7										7.2	
Alpena	609	61	65	29.30	29.99	— .07	24.6	+ 6.5	46	19	31	— 4	31	18	37	23	20	84	0.77	— 1.7	12	8,541	nw.	42	s.	24	3	3	25	8.4	6.4
Escanaba	612	43	57	29.30	30.00	— .06	22.1	+ 8.1	43	7	30	— 6	30	15	30	20	18	86	0.67	— 0.9	11	7,525	w.	31	nw.	7	1	8	22	8.3	3.5
Grand Haven	628	55	64	29.31	30.03	— .03	28.0	+ 3.8	49	24	34	0	31	22	28	26	25	93	2.71	0.0	15	8,750	nw.	42	sw.	29	5	5	21	7.8	11.0
Marquette	734	67	95	29.12	29.96	— .09	23.0	+ 7.0	51	19	30	— 4	31	16	36	22	20	88	2.01	0.0	19	9,565	nw.	44	sw.	9	1	6	24	8.5	22.2
Port Huron	639	70	108	29.33	30.06	— .03	26.6	+ 4.8	48	24	33	— 4	31	20	33	25	23	87	1.26	— 0.8	13	9,068	s.	34	sw.	28	6	11	14	6.7	13.2
Sault Ste. Marie	614	40	61	29.26	29.96	— .07	20.0	+ 5.7	41	22	28	—14	31	12	42	18	15	84	1.19	— 0.6	15	7,110	se.	48	nw.	10	4	7	20	7.7	11.6
Chicago	824	241	274	29.16	30.08	— .02	28.7	+ 5.3	56	24	35	— 8	31	22	29	26	23	84	1.21	— 0.9	7	13,343	w.	48	sw.	24	7	10	14	6.4	0.3
Milwaukee	681	124	142	29.29	30.07	— .02	27.4	+ 8.0	49	24	34	—10	31	21	31	24	19	72	1.63	— 0.5	9	9,119	w.	38	se.	24	12	6	13	5.8	5.7
Green Bay	617	49	57	29.35	30.06	— .04	23.4	+ 9.2	44	7	31	—12	30	16	29	20	16	77	0.77	— 1.6	8	6,938	sw	28	n.	20	4	13	14	6.9	6.3
Duluth	702	95	106	29.22	30.03	— .08	18.4	+ 8.0	48	22	26	—22	31	10	26	17	14	82	0.71	— 0.4	9	7,234	sw.	42	nw.	31	9	12	10	5.7	7.5
North Dakota.							17.8	+15.3										79	0.21	— 0.4										4.5	
Moorhead	935	54	60	29.02	30.11	— .06	15.6	+16.5	52	19	27	—22	31	5	42	14	12	90	0.32	— 0.4	8	8,300	nw.	36	nw.	24	9	11	11	5.4	3.2
Bismarck	1,674	16	29	28.25	30.15	— .04	18.6	+14.1	51	19	31	—20	31	6	38	15	7	64	0.28	— 0.3	4	6,685	nw.	36	nw.	29	16	8	7	4.4	2.8
Williston	1,872	15	31	28.01	30.13	— .04	19.1	+15.2	52	19	32	—21	28	7	50	16	13	83	0.03	— 0.6	3	6,239	n.	48	n.	24	21	8	2	3.7	0.8

TABLE I.—*Climatological data for Weather Bureau Stations, January*, 1900—Continued.

Stations.	Elevation of instruments: Barometer above sea level, feet.	Elevation of instruments: Thermometers above ground.	Elevation of instruments: Anemometer above ground.	Pressure, in inches: Mean actual, 8 a. m. + 8 p. m. ÷ 2.	Pressure, in inches: Mean reduced.	Pressure, in inches: Departure from normal.	Temperature of the air, in degrees Fahrenheit: Mean max. + mean min. ÷ 2.	Temperature: Departure from normal.	Temperature: Maximum.	Temperature: Date.	Temperature: Mean maximum.	Temperature: Minimum.	Temperature: Date.	Temperature: Mean minimum.	Temperature: Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Precipitation, in inches: Total.	Precipitation: Departure from normal.	Precipitation: Days with .01, or more.	Wind: Total movement, miles.	Wind: Prevailing direction.	Wind: Maximum velocity: Miles per hour.	Wind: Maximum velocity: Direction.	Wind: Maximum velocity: Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.
Upper Miss. Valley.							29.2	+ 8.2										80	1.12	— 0.6										5.4	
Minneapolis	.....	99	208	.....	.....	.....	21.2	+ 9.3	51	22	30	—19	31	12	35	....	....	....	0.62	— 0.2	8	9,570	nw.	42	nw.	24	7	11	13	....	6.1
St. Paul	837	114	124	29.11	30.08	— .07	21.1	+10.5	51	22	30	—18	31	13	34	19	16	82	0.66	— 0.3	9	7,006	nw.	38	nw.	24	8	10	13	5.7	4.5
La Crosse	720	70	78	.....	.....	.....	22.4	+ 7.7	46	22	29	—14	31	15	29	....	....	....	0.71	— 0.6	8	6,070	s.	30	nw.	29	7	9	15	6.5	6.8
Davenport	606	71	79	29.41	30.10	— .04	28.2	+ 8.2	52	24	36	— 8	31	21	30	25	22	81	1.27	— 0.4	7	6.284	nw.	27	w.	28	15	4	12	4.9	1.6
Des Moines	867	84	88	29.17	30.16	— .01	27.6	+10.1	54	22	37	—10	28	18	40	25	22	82	0.20	— 1.1	3	6,117	n.	30	sw.	29	10	10	11	5.5	0.6
Dubuque	698	101	109	29.31	30.11	— .01	25.6	+ 8.3	49	22	33	—13	31	18	32	23	21	85	1.15	— 0.5	7	6,452	nw.	34	nw.	25	13	6	12	5.5	4.9
Keokuk	614	63	78	29.43	30.12	— .02	31.9	+ 8.7	57	22	40	— 4	31	23	33	27	23	80	2.46	+ 0.7	6	6,371	nw.	32	sw.	29	15	9	7	4.0	T.
Cairo	359	87	93	29.74	30.14	— .01	39.8	+ 5.1	65	23	48	9	29	32	30	36	32	79	2.00	— 1.8	8	6,518	s.	29	nw.	25	5	15	11	5.9	0.6
Springfield, Ill.	644	82	92	29.40	30.12	— .03	33.5	+ 8.0	61	15	42	— 3	31	25	34	28	25	79	0.88	— 1.2	4	7,739	nw.	31	nw.	25	9	12	10	5.3	0.1
Hannibal	534	75	110	.....	.....	.....	32.8	+ 6.9	60	22	41	— 2	31	24	30	....	....	....	1.69	+ 0.1	9	7,097	nw.	36	sw.	29	17	5	9	4.4	0.2
St. Louis	567	111	210	29.49	30.12	— .02	37.4	+ 6.9	66	24	45	4	31	30	28	33	29	76	0.65	— 1.5	7	8,331	s.	35	sw.	24	9	11	11	5.8	T.
Missouri Valley.							30.3	+10.1										74	0.44	— 0.6										4.7	
Columbia	783	4	84	.....	.....	.....	34.1	+ 4.1	65	15	44	0	31	24	35	....	....	....	1.46	— 0.4	10	6,904	nw.	38	nw.	24	11	9	11	5.3	T.
Kansas City	963	78	95	29.09	30.16	— .02	34.6	+ 9.2	62	23	43	2	31	26	35	31	25	73	0.17	— 1.0	3	6,449	nw.	31	nw.	24	17	5	9	4.2	T.
Springfield, Mo.	1,324	100	103	28.69	30.14	— .01	36.9	+ 4.6	66	14	44	3	29	29	31	33	30	79	1.96	— 0.4	10	7,847	se.	31	nw.	25	9	11	11	5.9	1.1
Topeka	.....	81	....	.....	.....	.....	34.1	+ 7.3	63	23	44	1	31	24	41	....	....	....	0.09	— 1.0	3	.....	n.	....	.....	....	9	13	9	5.0	T.
Lincoln	1,199	75	84	28.80	30.14	— .05	30.7	+13.0	61	13	40	— 6	28	21	38	27	22	73	0.13	— 0.6	1	7,583	s.	42	nw.	24	19	5	7	3.9	T.
Omaha	1,105	115	121	28.90	30.13	— .06	29.6	+10.4	57	22	38	— 8	28	21	36	26	23	79	0.15	— 0.5	2	6,806	nw.	34	nw.	24	15	8	8	4.5	T.
Sioux City	1,139	96	164	.....	.....	.....	26.6	+10.3	60	13	36	—12	28	18	35	....	....	....	0.24	— 0.6	2	9,401	nw.	60	nw.	24	16	9	6	4.1	0.1
Pierre	1,572	11	19	28.37	30.13	— .07	26.9	+14.2	60	13	39	—13	31	15	41	21	12	60	0.04	— 0.5	3	6.787	nw.	56	nw.	24	9	15	7	4.8	0.3
Huron	1,306	56	67	28.65	30.14	— .07	22.0	+15.0	64	19	34	—20	31	10	42	18	15	80	0.07	— 0.4	4	8,634	nw.	46	nw.	24	14	9	8	4.7	0.5
Yankton	1,234	52	58	.....	.....	.....	27.5	+13.3	62	19	38	—12	31	17	38	....	....	....	0.06	— 0.5	4	6,605	nw.	45	nw.	24	12	11	8	4.7	0.8
Northern Slope.							30.2	+13.1										69	0.11	— 0.6										4.4	
Havre	2,494	46	47	27.33	30.08	— .09	27.3	+17.6	61	18	37	—15	28	17	55	24	20	77	0.12	— 0.8	3	8,431	sw.	40	sw.	23	8	22	1	4.8	0.2
Miles City	2,371	42	50	27.49	30.09	— .09	29.4	+18.8	60	19	40	—12	28	19	40	25	23	90	0.13	— 0.4	3	4,699	sw.	48	n.	24	14	12	5	4.0	1.0
Helena	4,108	88	93	25.85	30.18	+ .06	31.0	+13.9	51	13	38	1	1	24	30	27	19	62	0.03	— 1.3	2	5,703	sw.	52	w.	23	7	14	10	5.7	0.8
Kalispell	2,964	45	51	26.97	30.17	.....	30.4	.....	49	13	37	4	28	24	24	28	24	80	0.84	.....	13	3,440	nw.	30	sw.	23	6	8	17	6.6	4.2
Rapid City	3,251	46	50	26.59	30.04	— .13	32.8	+12.6	66	19	44	— 8	28	22	38	27	19	60	0.31	0.0	2	5,645	nw.	46	nw.	24	18	12	1	3.0	3.2
Cheyenne	6,084	56	64	23.99	30.22	+ .05	31.0	+ 6.0	59	19	44	—13	28	18	42	24	11	48	0.15	— 0.2	5	9,338	nw.	48	nw.	10	13	16	2	4.1	1.1
Lander	5,372	28	36	24.66	30.24	+ .03	28.2	+11.4	57	13	42	— 8	28	14	45	22	15	66	T.	— 0.8	0	2,507	sw.	36	sw.	23	14	17	0	3.7	T.
North Platte	2,826	43	52	27.13	30.30	+ .01	31.4	+11.4	63	13	43	— 5	28	19	39	25	20	69	0.06	— 0.4	1	5,309	w.	36	nw.	24	17	13	1	3.7	T.
Middle Slope.							36.6	+ 9.8										68	0.24	— 0.6										3.8	
Denver	5,290	79	151	24.73	30.20	+ .03	36.3	+ 8.1	67	23	49	— 2	28	24	42	29	19	56	0.13	— 0.4	3	6,141	s.	45	nw.	29	20	8	3	3.0	1.9
Pueblo	4,682	80	86	25.32	30.17	— .01	35.2	+ 6.5	70	23	48	6	29	22	48	29	20	59	0.06	— 0.3	2	4,656	nw.	45	w.	24	18	10	3	3.2	0.5
Concordia	1,398	42	47	28.62	30.17	— .02	34.2	+11.0	64	23	44	1	28	24	39	29	25	76	0.53	— 0.3	1	4,495	s.	22	s.	24	15	11	5	3.9	
Dodge	2,504	44	52	27.45	30.16	.00	36.8	+10.2	69	13	50	5	28	23	41	30	24	72	0.17	— 0.3	3	6,132	nw.	32	se.	8	21	8	2	3.5	0.1
Wichita	1,351	78	85	28.67	30.16	.00	37.4	+ 6.8	61	13	46	8	28	28	36	31	25	69	0.10	— 1.0	3	5,856	n.	28	n.	25	13	10	8	4.5	T.
Oklahoma	1,218	54	62	28.81	30.15	.00	41.0	+ 9.9	64	23	50	12	28	32	29	36	32	75	0.46	— 1.4	5	7,389	n.	35	s.	29	15	4	12	4.8	0.3
Southern Slope.							43.8	+ 6.5										70	0.76	0.0										3.8	
Abilene	1,749	45	54	28.26	30.14	— .02	47.3	+ 4.5	76	24	58	17	29	37	38	40	35	69	0.92	0.0	4	6,372	se.	35	nw.	28	11	12	8	4.6	T.
Amarillo	3,691	54	61	26.28	30.14	— .01	40.4	+ 8.5	66	14	51	11	29	30	49	34	29	70	0.59	0.0	4	6,983	n.	36	n.	17	19	5	7	3.0	T.
Southern Plateau.							49.2	+ 6.3										43	0.20	— 0.5										2.9	
El Paso	3,767	10	110	26.22	30.12	+ .03	47.8	+ 3.3	69	24	62	21	29	34	41	37	23	47	0.11	— 0.4	2	6,788	nw.	38	ne.	17	17	9	5	3.6	
Santa Fe	6,998	47	50	23.26	30.14	.00	35.5	+ 7.6	53	24	45	18	29	26	27	27	13	45	0.38	— 0.2	3	4,678	ne.	26	n.	12	20	10	1	2.3	2.8
Flagstaff	6,885	12	25	23.36	30.22	.....	34.4	.....	58	24	48	12	22	21	41	29	....	....	1.00	.....	5	.....	e.	....	.....	....	11	9	11	....	0.2
Phenix	1,076	47	57	28.87	30.05	— .01	56.1	+ 6.7	75	17	70	34	11	42	37	44	29	41	0.11	— 0.5	2	2,495	e.	18	e.	18	19	7	5	3.5	
Yuma	141	16	50	29.85	30.00	— .05	59.8	+ 5.7	79	30	74	38	1	46	38	47	31	38	0.08	— 0.3	1	4,248	n.	42	n.	9	24	6	1	2.0	
Independence	3,907	51	58	26.07	30.09	— .03	46.6	+ 8.2	67	17	58	29	9	35	31	38	24	45	0.31	— 0.9	4	4,375	nw.	40	n.	8	16	13	2	3.0	
Middle Plateau.							36.1	+ 7.9										68	0.37	— 1.0										4.6	
Carson City	4,720	82	92	25.35	30.19	+ .03	39.4	+ 7.5	60	16	51	18	27	27	38	34	28	66	0.20	— 2.4	2	3,210	sw.	26	sw.	5	15	9	7	4.6	
Winnemucca	4,340	59	70	25.77	30.24	+ .06	36.1	+ 9.1	56	13	46	12	26	26	35	33	28	73	0.71	— 0.4	6	6,572	ne.	37	w.	23	10	10	11	5.2	T.
Cedar City	5,850	36	47	24.32	30.22	.....	37.2	.....	57	13	46	14	10	28	33	31	21	58	0.81	.....	4	3,567	se.	22	n.	17	13	11	7	4.4	6.8
Salt Lake City	4,360	105	110	25.75	30.28	+ .05	35.6	+ 7.7	57	13	43	20	1	29	26	32	29	78	0.44	— 1.0	4	2,509	se.	15	n.	24	14	5	12	5.0	1.8
Grand Junction	4,608	43	50	25.49	30.30	.....	33.2	+ 7.3	50	31	43	14	1	24	27	27	20	64	0.14	— 0.4	2	2,666	se.	18	se.	19	18	6	7	3.7	T.
Northern Plateau.							35.5	+10.6										80	1.21	— 1.0										6.4	
Baker City	3,464	49	55	26.55	30.25	+ .06	31.6	+ 8.8	46	6	38	9	28	25	28	29	26	80	0.74	— 0.9	10	4,249	s.	22	s.	1	7	5	19	6.8	2.5
Boise	2,736	61	68	27.32	30.26	+ .03	36.8	+ 9.4	54	6	45	19	28	29	25	33	29	76	1.54	— 0.8	9	2,795	se.	20	nw.	23	9	9	13	6.0	0.3
Pocatello	4,482	48	56	25.60	30.27	+ .04	32.0	+12.9	48	14	39	7	28	25	30	29	26	78	0.44	— 1.6	8	7,734	s.	37	s.	23	13	4	14	6.0	0.6
Spokane	1,943	99	107	28.06	30.17	+ .06	35.8	+11.3	52	12	42	15	28	29	21	33	30	84	1.39	— 1.2	12	3,626	sw.	29	sw.	12	6	2	23	7.6	T.
Walla Walla	1,018	65	73	29.05	30.14	.00	41.2	+10.7	63	6	48	20	28	34	30	39	36	83	1.92	— 0.5	9	4,016	s.	29	sw.	23	7	13	11	5.7	
N. Pac. Coast Reg.							43.1	+ 4.5										87	5.59	— 1.6										6.9	
Neah	50	7	24	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	.....	.....	....	.....	.....	....	.....	....	....	....	....	....		
Port Crescent	256	15	20	.....	.....	.....	40.4	+ 4.9	54	12	46	27	29	34	18	....	....	....	6.38	— 0.7	20	2,455	sw.	30	sw.	8	5	12	14	6.8	
Seattle	119	114	121	29.94	30.07	+ .04	43.8	+ 4.8	60	17	49	31	29	39	15	42	39	84	3.04	— 2.2	21	4,711	se.	34	s.	23	6	9	16	6.8	
Tacoma	213	113	120	29.87	30.11	+ .08	42.2	+ 4.2	61	17	48	25	28	36	20	41	39	90	4.97	— 1.4	24	4,037	s.	36	sw.	23	5	5	21	7.9	T.
Astoria	20	57	64	30.06	30.08	+ .06	44.4	+ 3.9	59	12	50	32	24	39	18	43	....	...	10.35	— 0.4	24	5,201	ne.	32	sw.	23	6	7	18	7.0	
Portland, Oreg	153	203	213	29.94	30.10	+ .01	44.0	+ 5.6	61	17	49	28	27	39	20	42	39	84	4.58	— 2.6	19	6,279	s.	39	s.	5	5	8	18	7.0	
Roseburg	521	56	67	29.52	30.09	— .03	44.0	+ 3.7	60	12	49	30	26	40	27	43	41	89	4.20	— 2.0	19	2,018	e.	27	sw.	22	6	14	11	6.1	
Mid. Pac. C'st Reg.							49.8	+ 2.7										87	4.93	— 0.6										6.7	
Eureka	64	60	69	30.07	30.13	+ .04	50.4	+ 4.1	66	6	56	35	24	45	17	48	46	86	6.63	— 1.8	17	3,079	se.	28	se.	5	8	9	14	6.5	
Mount Tamalpais	2,375	11	18	27.62	30.12	.....	47.4	.....	61	18	52	36	21	43	19	45	43	86	6.04	.....	10	11,301	nw.	64	se.	2	10	9	12	5.8	
Red Bluff	334	54	58	29.78	30.14	+ .01	48.8	+ 3.9	69	17	54	33	26	43	32	46	44	85	4.15	— 0.5	12	3,431	se.	26	n.	24	6	8	17	6.6	
Sacramento	71	106	117	30.06	30.14	+ .02	47.2	+ 1.6	60	6	51	36	26	44	15	46	45	90	3.54	— 0.3	11	4,416	se.	48	se.	2	3	1	27	8.7	
San Francisco	153	161	167	29.97	30.13	+ .02	50.7	+ 0.6	64	17	55	42	22	47	15	49	47	87	4.11	— 0.6	7	5,385	n.	46	se.	2	9	11	11	5.8	
Point Reyes Light	.....	12	16	.....	.....	.....	51.8	+ 3.2	65	18	57	41	22	47	21	....	....	....	6.46	+ 0.4	9	10,067	nw.	60	sw.	2	7	4	20	6.9	
S. Pac. Coast Reg.							54.6	+ 4.0										79	1.38	— 1.4										5.5	
Fresno	332	67	70	29.77	30.13	.00	46.7	+ 2.2	64	6	50	34	11	43	20	46	45	94	1.52	+ 0.2	6	2,627	nw.	18	nw.	8	5	1	25	8.4	
Los Angeles	330	74	82	29.69	30.04	— .02	57.7	+ 4.6	81	18	68	41	16	47	34	51	47	75	1.17	— 1.8	2	2,373	w.	23	nw.	8	10	14	7	4.9	
San Diego	87	94	102	29.95	30.05	— .02	57.8	+ 4.2	79	18	64	46	21	52	24	52	48	76	0.69	— 1.3	5	2,701	nw.	20	sw.	3	20	5	6	3.7	
San Luis Obispo	201	10	46	29.88	30.10	+ .01	56.2	+ 5.1	80	18	66	36	11	46	39	50	45	72	2.13	— 2.5	4	3,725	n.	22	n.	10	11	11	9	4.9	
West Indies.																															
Basseterre	29	41	54	29.98	30.01	.....	77.1	.....	84	3	82	67	15	73	15	71	68	73	1.78	.....	20	8,100	e.	27	e.	29	7	23	1	4.6	
Bridgetown	30	57	65	29.92	29.95	.....	78.6	.....	86	2	84	69	18	73	16	73	71	79	1.90	.....	16	6,419	ne.	25	ne.	12	1	23	7	6.0	
Cienfuegos	52	62	67	29.98	30.03	.....	69.6	.....	83	23	78	50	4	61	25	64	62	85	0.74	.....	6	5,306	n.	21	ne.	5	14	10	7	4.5	
Havana	57	83	100	30.00	30.06	.....	69.1	.....	82	10	75	57	5	64	20	64	62	80	2.24	.....	9	7,577	e.	34	ne.	6	7	10	14	6.3	
Kingston	286	38	52	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	.....	.....	....	.....	.....	....	.....	....	....	....	....	....		
Port of Spain	40	65	66	29.87	29.91	.....	78.9	.....	89	20	86	69	27	72	18	72	70	76	4.40	.....	20	2,444	ne.	14	e.	29	8	18	5	5.3	
Puerto Principe	352	55	62	29.66	30.01	.....	70.4	.....	86	12	79	55	26	62	26	65	64	91	4.40	.....	14	4,870	ne.	23	e.	9	11	8	12	5.9	
Roseau	25	37	47	29.94	29.96	.....	77.8	.....	86	28	84	69	16	72	15	70	67	72	1.32	....	19	3,990	ne.	26	ne.	16	8	19	4	4.8	
San Juan	82	48	73	29.93	30.01	.....	75.6	.....	86	1	81	68	15	70	16	71	69	82	3.93	+ 1.0	21	8,194	e.	36	ne.	9	13	18	0	4.0	
Santiago de Cuba	82	45	51	29.90	29.98	.....	75.1	.....	87	22	83	64	9	68	19	68	67	82	1.08	.....	6	3,764	n.	22	nw.	3	9	17	5	5.0	
Santo Domingo	57	37	44	29.97	30.03	.....	74.3	.....	86	4	82	62	24	67	20	70	69	88	2.36	.....	9	4,020	n.	17	n.	10	13	16	2	3.9	
Willemstad	75	39	46	29.84	29.91	.....	79.4	.....	85	24	84	71	17	75	13	73	71	78	1.12	.....	15	7,915	e.	24	e.	10	4	22	5	5.5	

NOTE.—The data at stations having no departures are not used in computing the district averages. Letters of the alphabet denote number of days missing from the record. * Two or more dates. † Received too late to be considered in departures, etc.

TABLE II.—*Climatological record of voluntary and other cooperating observers, January*, 1900.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Alabama.	°	°	°	*Ins.*	*Ins.*
Alco	72	17	47.0	4.63	
Ashville	69	12	42.6	2.65	T.
Bermuda	71	16	47.5	3.05	
Birmingham	67	11	46.1	5.20	
Bridgeport	.....	.....	.....	4.25	
Citronelle	69	22	49.6	5.81	
Clanton	63	14	42.9	3.81	2.0
Daphne[c]	68	20	49.3	3.10	T.
Decatur	66	10	41.6	3.45	T.
Demopolis	.....	.....	.....	3.80	
Eufaula *a*	71	12	43.6	2.53	
Eufaula *c*	.....	.....	.....	2.15	
Eutaw	71	16	45.2	2.09	T.
Florence *a*	.....	.....	.....	3.26	1.5
Florence *b*	67	12	41.6	3.39	1.2
Fort Deposit	69	16	44.7	4.94	
Gadsden	68	10	42.4	3.13	
Goodwater	70	12	40.6	4.08	T.
Greensboro	67	16	44.5	3.19	
Hamilton	66	9	41.8	2.78	
Healing Springs	73	18	47.1	4.63	
Highland Home	69	17	48.2	2.39	T.
Livingston *a*	69	15	44.8	2.42	
Livingston *b*	68[c]	20[c]	47.5[c]	2.79	
Lock No. 4	.....	12	.....	2.86	T.
Madison Station	66	9	42.3	4.08	
Maplegrove	65	10	39.4	3.23	
Marion	71	20	46.4	3.40	T.
Mount Willing	71	16	47.0	4.95	
Newbern	72	15	45.4	3.51	T.
Newburg	65	10	41.5	3.52	
Newton	64	13	43.6	2.55	
Oneonta	64	9	41.5	4.59	T.
Opelika	74	12	44.9	3.52	T.
Oxanna	61	13	40.4	3.95	0.5
Prattville	73	14	45.6	.....	
Pushmataha	69	17	46.0	3.22	T.
Riverton	66	9	39.7	2.42	
Rockmills	70	10	44.8	2.60	
Scottsboro	64[f]	8	40.7[d]	4.44	T.
Selma	69	17	46.2	2.54	T.
Tallassee	.....	.....	.....	0.78	0.4
Thomasville[f]	67	25	50.4	4.21	
Tuscaloosa	67	15	42.6	3.58	
Tuskegee	71	14	44.8	1.77	
Union Springs	70	14	44.2	2.75	1.5
Uniontown	69	18	46.6	3.55	
Valleyhead	64	6	40.4	4.26	
Warrior	.....	.....	.....	2.14	
Wetumpka	70	16	44.0	3.12	
Arizona.					
Allaire Ranch	.....	.....	.....	0.22	
Arizona Canal Co. Dam	79	31	56.2	0.27	
Azteo*[1]	75	42	57.0	0.05	
Benson*[1]	68	31	51.0	0.25	
Bisbee	70	29	48.8	0.54	
Blaisdell*[1]	80	37	59.6	T.	
Bowie*[1]	62	30	42.1	0.00	
Buckeye	80	28	54.4	0.30	
Camp Creek	72	37	54.7	0.12	
Casagrande*[1]	73	39	54.3	0.20	
Champie Camp	81	35	58.2	0.40	
Cochise	.....	.....	.....	0.00	
Congress	70	43	56.8	0.57	
Dragoon Summit	62	30	43.2	1.10	T.
Dudleyville	71	24	50.6	0.46	
Fort Apache	63	17	39.9	0.30	
Fort Defiance	57	8	33.8	T.	T.
Fort Grant	80	32	52.6	0.31	
Fort Huachuca	70	29	48.6	0.45	
Fort Mohave	.....	38	.....	0.04	
Gilabend*[1]	72	38	53.2	0.00	
Holbrook	62	12	37.6	0.04	
Ingleside	75	30	54.6	0.11	
Jerome	62	35	48.5	0.20	
Maricopa*[1]	75	31	55.3	0.00	
Mesa	76	31	54.6	0.08	
Mount Huachuca	65	27	46.8	0.17	
Music Mountain	68	22	48.2	0.16	
Natural Bridge	.....	.....	.....	0.20	
Nogales[e]	77	25	49.6	0.21	
Oracle	66	32	49.3	0.16	
Oro	.....	.....	.....	0.32	
Pantano*[1]	82	38	50.3	0.55	
Peoria	76	35	56.4	0.09	
Phenix	75	28	52.8	0.10	
Pima	79	18	48.5	0.15	
Pinal Ranch	.....	.....	.....	0.13	
Prescott	65	16	40.8	0.88	5.8
Russellville	.....	.....	.....	0.44	
San Carlos	74	.....	.....	0.15	
San Simon*[1]	58	25	39.6	0.15	
Sentinel*[1]	77	41	56.5	0.00	
Signal	79	26	53.6	0.32	
Silverking	.....	.....	.....	0.40	
Snowflake	68	10	36.0	0.14	.....
Arizona—Cont'd.					
Strawberry	57	15	38.3	0.14	T.
Supai	65	30	48.2	0.07	
Texas Hill*[1]	80	31	55.0	0.00	
Tonto	71	19	48.0	0.17	
Tuba	68	22	43.2	0.15	
Tucson	76	27	52.9	0.16	
Vail*[5]	74	42	55.8	0.06	
Willcox*[1]	70	22	42.2	0.18	
Winslow	63	17	38.0	0.06	0.6
Yarnell	.....	.....	.....	0.88	
Arkansas.					
Amity	69	12	44.3	4.02	T.
Arkadelphia	72	12	46.5	3.17	T.
Arkansas City	.....	.....	.....	1.83	
Batesville	75	9	43.7	2.69	
Beebranch	78[g]	7[g]	41.1[g]	2.95	T.
Blanchard Springs	72	11	45.9	3.15	T.
Brinkley	71	12	47.4	2.20	T.
Camden *a*	.....	.....	.....	2.83	T.
Camden *b*	72	12	45.2	2.19	
Canton	69	5	39.5	1.98	0.2
Conway	76	10	45.4	4.04	T.
Corning	73	9	38.7	2.18	0.5
Dallas	68	10	44.0	3.88	0.2
Dardanelle	.....	.....	.....	2.79	
Elon	73	12	45.4[e]	3.44	T.
Fayetteville	69	5	40.8	1.46	1.0
Forrest	72	12	44.0	.....	.....
Fulton	.....	.....	.....	3.42	1.0
Hardy	68	7	40.5	1.80	0.4
Helena *a*	.....	.....	.....	2.66	
Helena *b*	70	15	45.2	2.64	T.
Hot Springs *b*	.....	.....	.....	4.00	4.0
Jonesboro	70	11	43.6	5.59	0.9
Keesees Ferry	70	5	41.4	2.48	0.5
Lacrosse	68	6	43.6	.....	
Lonoke	68	12	45.5	2.55	T.
Luna Landing	75	14	46.4	1.88	
Lutherville	70	9	42.4	2.91	T.
Malvern	71	13	44.9	3.38	T.
Marvell	71	12	44.6	2.71	
Mossville	64	7	35.1	2.82	
Mount Nebo	66	7	40.2	2.80	1.0
New Gascony	70	11	45.4	2.40	T.
Newport *a*	.....	.....	.....	2.68	0.5
Newport *b*	70	11	43.6	2.73	T.
Newport *c*	72	10	43.2	2.74	T.
Oregon	72	4	42.6	1.93	T.
Osceola	75	9	43.6	2.60	T.
Ozark	73	11	43.6	2.57	1.0
Pinebluff	73	12	46.0	2.20	
Pocahontas	65	8	39.8	1.89	0.8
Pond	66	1	39.0	1.59	1.0
Powell	72	3	38.6	0.84	T.
Rison	74	11	47.0	2.25	
Russellville	70	15	43.2	1.80	T.
Silversprings	71	5	40.8	1.58	1.5
Spielerville	74	10	43.6	3.63	T.
Stamps[g]	67	12	43.3	1.98	T.
Stuttgart	73	13	44.8	1.95	T.
Texarkana	76	10	47.6	3.60	
Warren	72	12	43.4	3.17	
Washington	78	12	46.2	3.52	0.3
Wiggs	68	8	43.5	4.06	T.
Winslow	65	5	38.2	4.10	3.2
Witts Springs	67	3	40.8	1.26	0.5
California.					
Agnew	68	33	52.7	2.66	
Anada	63	23	44.4	9.05	
Angiola	68	30	46.0	0.94	
Bakersfield	70	28	48.2	0.84	
Ballast Point L. H	.....	.....	.....	0.50	
Bear Valley	.....	.....	.....	7.42	
Berkeley	60	39	49.9	4.18	
Bishop	70	20	45.3	0.49	
Boca*[1]	56	8	25.3	1.57	
Bodie	49	−12	22.0	0.61	12.0
Bowman*[1]	68	22	39.0	9.60	4.0
Cahto	.....	.....	.....	5.38	
Caliente*[1]	65	34	51.2	0.50	
Campbell	64	31	49.4	2.56	
Cape Mendocino L. H	.....	.....	.....	7.60	
Cedarville	59	18	37.0	0.83	T.
Chico*[1]	65	34	51.0	3.79	
Cisco*[1]	48	20	35.1	8.40	27.0
Claremont	75	34	52.2	1.50	
Corning*[1]	59	36	48.8	4.61	
Coronado	72	49	58.0	.....	
Craftonville	81	36	57.0	1.15	
Crescent City	64	32	49.6	10.75	
Crescent City L. H	.....	.....	.....	10.63	
Cuyamaca	58	22	40.3	3.62	
Delano*[5]	65	33	46.4	0.69	
Delta*[1]	70	32	50.0	12.25	
Deweyville	66	30	45.6	0.83	
Drytown	68	33	48.5	1.83	
California—Cont'd.					
Dunnigan*[1]	63	35	47.8	4.15	
Durham*[1]	61	34	48.0	4.80	
East Brother L. H	.....	.....	.....	2.80	
Edmanton*[1]	60	25	39.6	10.99	
Elcajon	84	33	55.8	1.33	
Elmwood	64	31	46.8	1.15	
Elsinore	82	31	54.6	1.56	
Escondido	74	28	50.9	5.18	
Fallbrook*[1]	79	36	53.6	3.26	
Folsom City	.....	.....	.....	5.63	23.0
Fort Bragg	.....	.....	.....	3.44	
Fort Ross	67	39	52.0	8.44	
Fort Tejon	.....	.....	.....	2.12	
Georgetown	69	32	48.4	5.07	
Gilroy Hot Springs	.....	.....	.....	3.80	
Gilroy (near)	72	30	51.0	2.13	
Glendora	.....	.....	.....	1.47	
Grand Island*[5]	62	36	50.2	3.23	
Grass Valley	.....	.....	.....	7.45	
Greenville	61	18	40.1	5.51	4.0
Hanford	66	30	46.0	1.38	
Healdsburg	67	33	50.0	5.70	
Hill Ranch	74	34	53.6	2.17	
Hollister	69	30	50.3	0.90	
Humboldt L. H	.....	.....	.....	5.90	
Indio*[1]	86	40	57.7	1.00	
Iowa Hill*[1]	68	38	49.8	4.43	
Irvine	90	44	63.4	2.19	
Jackson	58	28	42.4	2.37	
Jolon	.....	.....	.....	3.08	
Kennedy Gold Mine	59	28	42.2	2.90	
Kernville	.....	.....	.....	0.80	
King City*[1]	68	32	47.9	1.89	
Kono Tayee	61	37	48.5	3.10	
Lagrange*[5]	64	36	47.5	1.71	
Lakeside	.....	.....	.....	2.94	
Lamesa	.....	.....	.....	0.97	
Lankershim	66	32	46.2	1.40	
Laporte*[1]	55	25	38.3	11.95	18.0
Las Fuentes Ranch	.....	.....	.....	2.65	
Legrand	.....	33	.....	1.42	
Lemoncove	68	33	48.0	1.38	
Lemoore *a**[1]	62	31	46.3	1.96	
Lick Observatory	63	30	47.5	3.26	
Lime Point L. H	.....	.....	.....	3.88	
Lodi	61	35	49.2	2.92	
Los Gatos *b*	61	36	48.5	5.40	
Mammoth*[1]	79	41	58.2	0.15	
Manzana	68	35	52.4	1.11	
Mare Island L. H	.....	.....	.....	2.80	
Merced *b*	62	32	46.2	1.63	
Mills College	.....	.....	.....	4.09	
Milo	.....	.....	.....	1.65	
Milton (near)*[1]	64	37	46.7	1.57	
Modesto*[1]	67	36	50.2	1.30	
Mohave*[1]	66	35	49.1	0.31	
Mokelumne Hill*[3]	.....	31	43.6	2.44	
Monterio	76	38	57.6	1.51	
Monterey*[1]	64	39	52.6	1.34	
Morena Dam	67	26	48.1	4.37	
Mountainview	.....	.....	.....	3.05	
Mutah Flat	.....	.....	.....	2.80	
Napa *b*	65	33	49.6	2.84	
Needles	72	40	57.7	0.02	
Nevada City	70	29	45.8	7.81	
Niles	70	43	54.9	3.49	
North Bloomfield	69	32	48.3	9.32	
North Ontario	74	40	54.5	1.75	
North San Juan*[1]	69	28	45.8	6.36	
Oakland *a*	62	39	49.8	4.81	
Oleta*[1]	63	32	44.6	2.33	
Orland*[1]	60	35	46.8	2.53	
Palermo	60	33	48.2	5.80	
Paso Robles *b*	69	28	49.8	2.11	
Peachland*[5]	65	38	50.8	7.88	
Piedras Blancas L. H	.....	.....	.....	3.79	
Pigeon Point L. H	.....	.....	.....	3.90	
Pilot Creek	.....	.....	.....	5.34	
Pine Crest	79	46	59.1	3.72	
Placerville	62	27	43.8	3.92	
Point Ano Nuevo L. H	.....	.....	.....	4.77	
Point Arena L. H	.....	.....	.....	4.04	
Point Bonita L. H	.....	.....	.....	4.66	
Point Conception L. H	.....	.....	.....	2.56	
Point Firmin L. H	.....	.....	.....	1.15	
Point George L. H	.....	.....	.....	6.84	
Point Hueneme L. H	.....	.....	.....	3.51	
Point Lobos	60	42	49.8	4.57	
Point Loma L. H	.....	.....	.....	0.20	
Point Montara L. H	.....	.....	.....	7.10	
Point Pinos L. H	.....	.....	.....	2.19	
Point Sur L. H	.....	.....	.....	2.99	
Pomona (near)	80	34	55.6	1.30	
Poway*[3]	78	36	50.2	3.89	
Quincy	54	23	39.8	6.71	3.0
Ranch House	80	42	58.3	1.64	

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.*
Raymond	65	30	45.8	1.65	
Redding	70	30	49.8	6.45	
Redlands	80	38	56.8	1.20	
Reedly	67	31	46.2	1.66	
Represa	62	36	49.0	5.00	
Riovista	.....	.....	.....	3.02	
Riverside	80	38	56.9	1.01	
Roe Island L. H	.....	.....	.....	2.35	
Romie	80	31	52.8	1.51	
Rosewood	68	26	46.8	2.98	
Sacramento *a*	61	35	48.4	3.93	
Salinas *[1]	78	42	60.4	0.67	
Salton *[5]	78	44	66.0	0.00	
San Bernardino	82	31	55.8	0.92	
San Jacinto	74	32	52.0	1.42	
San Leandro *[1]	74	41	55.0	3.93	
San Luis L. H	.....	.....	.....	1.53	
San Mateo *[1]	64	39	52.2	5.55	
San Miguel *[1]	68	27	50.8	1.69	
Santa Barbara *a*	79	44	57.5	2.32	
Santa Barbara L. H	.....	.....	.....	2.55	
Santa Clara *a*	.....	.....	.....	2.54	
Santa Cruz *b*	76	34	53.0	5.49	
Santa Cruz L. H	.....	.....	.....	5.42	
Santa Maria	80	38	58.4	0.87	
Santa Monica *[1]	72	43	55.8	2.70	
Santa Rosa *[1]	63	35	50.0	4.98	
Shasta	66	35	49.4	6.69	
Sierra Madre	75	41	56.6	1.26	
Snedden	.....	.....	.....	1.40	
Sonoma	.....	.....	.....	4.68	
S. E. Farallone L. H	.....	.....	.....	3.27	
Stanford University	62	35	49.8	.....	
Stockton *a*	64	34	47.2	2.39	
Summerdale	59	26	42.0	7.05	
Susanville	58	20	36.0	1.50	8.0
Tehama *[1]	68	37	51.0	3.59	
Tejon Ranch	67	32	48.2	1.17	
Templeton *[1]	65	35	48.0	0.10	
Thermalito	65	30	48.1	5.48	
Truckee *[1]	51	12	30.6	2.63	6.0
Tulare *b*	.....	.....	.....	1.28	
Tulare *c*	70	30	47.2	1.02	
Ukiah	68	28	50.2	4.55	
Upper Mattole *[1]	70	30	49.3	12.27	
Vacaville *a* *[1]	65	36	48.5	3.82	
Ventura	80	38	55.6	1.90	
Visalia *b*	66	30	46.2	1.24	
Volcano Springs *[1]	83	39	55.2	0.55	
West Palmdale	.....	.....	.....	0.65	
Westpoint	.....	.....	.....	3.59	
West Saticoy	.....	.....	.....	2.25	
Wheatland	60	33	47.0	4.67	
Williams *[1]	68	40	52.0	2.24	
Wilmington *[1]	75	43	55.1	1.50	
Wire Bridge *[5]	62	32	48.3	5.22	
Yreka	55	23	39.8	1.35	
Yuba City *[5]	64	34	56.0	5.20	
Colorado.					
Antlers	47	11	29.4	0.23	0.7
Arkins	.....	.....	.....	0.19	2.2
Aspen	.....	.....	.....	0.70	14.0
Boulder	63	1	37.0	0.40	4.5
Boxelder	.....	.....	.....	0.18	1.0
Breckenridge	38	−12	16.2	0.35	7.8
Buenavista	.....	.....	.....	0.05	1.0
Canyon	66	− 6	38.9	0.14	0.5
Castlerock	58	− 9	29.8	0.10	2.0
Cedaredge	54	12	32.3	0.36	3.2
Cheyenne Wells	62	− 6	34.6	0.03	0.5
Clearview *[1]	44	4	24.3	0.48	9.5
Colorado Springs	62	− 2	33.2	0.05	1.0
Cope	60	− 4	33.2	0.12	2.0
Cripplecreek	50	− 6	27.2	0.06	1.0
Crook	68	− 9	32.4	T.	T.
Delta	56	5	32.4	0.26	2.0
Dumont	.....	.....	.....	0.09	2.0
Durango	54	10	32.9	0.29	3.3
Fairview	57	− 6	28.0	0.01	0.5
Fort Collins	63	− 6	31.0	0.25	3.1
Fox	.....	.....	.....	0.05	0.8
Garnett	49	− 8	22.8	0.00	
Georgetown	49	4	29.8	.....	
Gilman	.....	.....	.....	0.67	15.5
Gleneyrie	59	1	33.0	0.27	4.2
Glenwood	.....	.....	.....	0.73	9.0
Greeley	60	− 3	31.6	0.16	1.0
Gunnison	42	−23	7.2	0.30	2.5
Gypsum	.....	.....	.....	0.32	5.2
Hamps	60	−10	31.6	0.09	1.2
Hoehne	65	4	34.5	0.01	0.5
Holly	.....	.....	.....	T.	T.
Holyoke (near)	70	− 8	32.4	0.02	0.5
Hugo	.....	.....	.....	T.	T.
Husted	61	−16	30.6	0.31	4.5
Lake Moraine	50	− 3	23.4	0.34	8.5
Colorado—Cont'd.					
Lamar	72	2	37.8	T.	0.5
Laporte	.....	.....	.....	0.34	5.0
Las Animas	74	4	35.1	0.00	
Lay	47	−12	21.2	0.40	4.0
Leadville (near) *[1]	42	0	21.2	0.60	13.0
Leroy	63	−10	38.1	0.10	1.3
Longs Peak	53	−12	25.8	0.16	3.5
Mancos	58	8	33.2	0.40	2.0
Marshall Pass	.....	.....	.....	0.90	18.0
Meeker	61	− 1	25.4	0.54	0.8
Minneapolis	70	− 1	38.0	0.17	2.5
Mitchell	.....	.....	.....	0.71	15.0
Montrose	.....	.....	.....	0.05	0.0
Moraine	52	− 6	27.3	0.21	4.2
Pagoda	48	− 6	22.8	0.30	3.0
Palmer	.....	.....	.....	0.22	4.0
Parachute	48	14	30.8	0.29	.....
Perrypark	.....	.....	.....	T.	T.
Rangely	42	−16	16.8	0.15	0.8
Rockyford	67	2	34.5	T.	T.
Ruby	.....	.....	.....	1.73	29.0
Saguache	46	0	26.3	0.02	0.5
Salida	62	6	33.4	0.05	1.0
San Luis	55	0	28.6	0.31	1.5
Santa Clara *[1]	55	10	30.6	0.48	9.5
Sapinero	.....	.....	.....	0.31	5.2
Sargents	.....	.....	.....	0.35	7.0
Seibert	.....	.....	.....	T.	T.
Springfield	.....	.....	.....	0.05	1.0
Strickler Tunnel	.....	.....	.....	0.19	4.8
Trinidad	71	4	39.0	T.	T.
Troutvale	44	−22	13.8	0.13	1.5
T. S. Ranch	47	−15	31.7	0.15	
Twinlakes	.....	.....	.....	T.	T.
Vilas	.....	.....	.....	0.00	
Wagon Wheel	46	−11	17.0	0.12	2.5
Walden	50	−20	15.7	0.21	3.0
Wallet	.....	.....	.....	0.05	1.0
Westcliffe	56	− 5	28.6	0.10	2.0
Wray	68	− 5	34.2	0.16	2.0
Yuma	.....	.....	.....	0.14	2.5
Connecticut.					
Bridgeport	57	1	29.7	4.37	3.6
Canton	56	− 4	25.8	3.52	10.0
Colchester	58	− 2	29.0	4.26	6.5
Falls Village	.....	.....	.....	2.72	9.8
Greenfield Hill	.....	.....	.....	4.27	6.0
Hartford *b*	52	2	28.2	3.14	6.5
Hawleyville	56	0	29.4	3.68	.....
Lake Konomoc	.....	.....	.....	5.02	.....
Middletown	57	− 7	28.6	4.19	5.0
New London	55	6	29.6	4.25	4.8
North Grosvenor Dale	58	− 8	26.2	5.04	.....
Norwalk	56	− 2	29.0	4.11	4.5
Southington	53	−10	28.2	3.35	7.3
Storrs	56	2	26.8	3.42	6.1
Voluntown	62	− 4	29.2	4.80	6.0
Wallingford	.....	.....	.....	4.59	5.5
Waterbury	55	− 6	27.6	3.77	8.0
West Cornwall	54	1	26.0	2.82	9.0
West Simsbury	.....	.....	.....	3.06	10.5
Winsted *[1]	54	− 3	24.7	.....	
Delaware.					
Milford	.....	.....	.....	3.69	.....
Millsboro	62	8	34.9	3.07	2.5
Newark	57	6	32.0	3.45	1.5
Seaford	60	12	36.1	3.79	T.
Wyoming	60	8	34.1	2.70	.....
District of Columbia.					
Distributing Reservoir *[5]	59	12	34.7	1.59	.....
Receiving Reservoir *[5]	59	12	34.6	1.83	.....
West Washington	65	6	34.2	1.93	1.9
Florida.					
Archer	80	17	54.1	3.58	
Bartow	79	27	58.4	4.72	
Brooksville	77	21	55.2	3.01	
Carrabelle	75	24	52.7	3.73	
Clermont	81	30	56.9	2.33	
Dalkeith	75	17	50.8	2.88	
De Funiak Springs	73	15	49.1	2.81	
Deland	81	25	56.8	.....	
Ernestville	79	22	56.8	4.45	
Estero *[1]	79	38	60.7	.....	
Eustis	81	23	57.3	2.75	
Federal Point	75	23	53.4	3.99	
Fort Meade	80	26	59.5	5.25	
Gainesville	77	21	52.6	3.98	
Homeland	75	29	55.6	.....	
Huntington	74	24	53.4	2.35	
Hypoluxo	81	37	65.8	4.29	
Jasper	74	18	50.9	2.41	
Kissimmee	80	27	59.7	4.82	
Lake City	79	17	53.2	2.66	
Lemon City	80	38	64.0	5.25	
Macclenny	81	15	51.8	2.66	
Manatee	77	28	57.4	3.36	
Florida—Cont'd.					
Merritt Island	75	32	59.6	4.85	
Middleburg	81	20	52.1	2.48	
Myers	81	36	61.2	3.17	
New Smyrna	80	26	58.1	2.90	
Nocatee	84	31	62.5	2.70	
Ocala	81	17	55.4	3.67	
Orange City	80	25	57.4	2.99	
Orlando	77	27	57.6	3.32	
Plant City	80	25	57.8	4.39	
Rockwell	78[e]	20[e]	55.2[e]	2.68	
St. Andrews	72	23	50.0	2.13	
St. Francis	78	20	55.2	2.49	
St Francis Barracks	76	24	52.5	2.97	
Sebastian	78	34	59.7	4.95	
Stephensville *[1]	74	13	51.6	4.03	
Switzerland *[1]	74	24	51.0	2.77	
Tallahassee	73	20	49.4	2.39	
Tarpon Springs	77	25	56.0	3.12	
Wausau	71	15	47.6	0.44	
Georgia.					
Adairsville	64	9	39.4	3.47	
Albany	68	18	46.2	3.22	
Allentown	66	12	44.4	2.42	
Americus	68	13	44.3	2.71	
Athens *b*	65	11	40.8	2.10	
Blakely	68	18	47.6	2.52	
Canton	.....	.....	.....	3.41	
Carlton	.....	.....	.....	1.47	
Cedartown	66	10	40.3	2.60	
Clayton	63	7	36.1	5.64	T.
Columbus	65	18[g]	44.2[1]	1.95	
Covington	71	10	43.2	2.35	
Dahlonega	67	5	39.4	3.42	T.
Diamond	62	6	38.0	4.01	T.
Dublin	.....	.....	.....	3.07	
Elberton	68	10	44.9	2.13	
Fitzgerald	69	15	46.8	3.59	
Fleming	71	15	48.0	3.90	
Forsyth	.....	.....	.....	1.81	
Fort Gaines	70	18	45.8	1.91	
Franklin	65	16	44.8	2.97	
Gainesville	65	10	41.0	2.97	
Gillsville	69	6	42.4	3.42	
Greenbush	64	8	39.6	4.75	T.
Harrison	66	12	44.0	1.90	
Hawkinsville	67	10	44.0	2.94	
Jesup	75	15	49.8	5.08	
Louisville	68	13	44.8	1.93	3.0
Lumpkin	69	15	47.1	2.42	
Marshallville	67	14	46.2	2.51	
Mauzy	74[j]	15[j]	48.4[j]	4.64	
Morgan	71	15	46.2	3.04	
Newnan	.....	.....	.....	2.28	
Oakdale	.....	.....	.....	2.52	
Pelham	.....	.....	.....	3.43	
Piscola	70	18	50.2	2.35	
Point Peter	64	10	39.6	1.85	
Poulan	73	15	46.4	3.70	
Putnam	67	12	44.6	2.19	
Quitman	72	14	48.0	2.19	
Ramsey	67	7	42.2	4.15	T.
Resaca	.....	.....	.....	3.85	
Reynolds	.....	.....	.....	2.34	0.2
Rome	65	12	40.3	3.52	T.
Talbotton	68	12	44.0	2.26	T.
Thomasville	73	19	49.9	3.62	
Toccoa	.....	.....	.....	3.58	
Valona	61[c]	18	42.6	3.27	
Washington	.....	.....	.....	2.70	0.5
Waycross	70	18	48.2	4.60	
Westpoint	.....	.....	.....	3.03	1.5
Idaho.					
Albion	53	11	35.2	0.60	
American Falls	52	5	33.8	0.35	
Atlanta	45	− 1	25.4	2.76	6.8
Blackfoot	46	0	27.7	0.52	T.
Burnside	46	− 5	23.9	0.05	T.
Challis	54	− 5	24.4	0.30	3.0
Chesterfield	42	−18	21.2	1.78	1.0
Downey	45	6	31.2	0.04	.....
Fort Sherman	52	10	33.6	2.33	.....
Garnet	57	18	39.5	0.88	
Gray	46	−10	24.0	0.65	6.0
Hagerman	59	13	37.8	1.03	
Idaho City	47[e]	0[e]	29.1[e]	1.48	6.8
Kootenai	45	9	30.0	8.45	2.0
Lake	48	− 8	25.6	0.30	3.0
Lakeview	52	17	35.0	3.19	4.5
Lewiston	56	22	41.4	1.84	0.0
Lost River	40	−15	18.4	0.60	6.0
Marysville	47	−14	22.7	0.62	2.5
Moscow	51	16	34.5	3.57	1.5
Murray	49	8	30.8	4.09	13.0
Oakley	63	6	35.6	T.	T.
Ola	45	9	31.8	1.89	3.8
Paris	48	2	26.2	0.40	.....

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.*
Idaho—Cont'd.					
Payette	50	16	36.2	1.13	0.5
Pollock	55	11	37.8	0.48	
Priest River	47	9	31.4	3.04	6.8
St. Maries	49	12	34.1	3.35	2.0
Soldier	46	— 8	21.8	1.31	5.8
Swan Valley	44	— 4	25.4	0.75	5.5
Weston	46	— 4	30.0	0.32	1.0
Yellowjacket	.....	.....	.....	1.92	8.2
Illinois.					
Albion	69	1	35.2	1.80	0.8
Alexander	64	— 6	33.4	1.10	T.
Ashton	51	— 8	27.2	1.34	2.0
Astoria	57	— 5	31.3	2.00	T.
Aurora *a*	56	— 7	28.4	1.68	1.3
Aurora *b*	56	— 7	28.1	1.78	2.1
Bloomington	60	— 6	31.1	1.23	
Bushnell	57	— 6	30.0	2.20	
Cambridge	53	— 8	28.0	1.65	1.2
Carlinville	65	— 3	34.0	0.61	
Carlyle	.....	.....	.....	0.56	.....
Centralia	63	4	36.4	0.75	T.
Charleston	64	— 3	33.0	0.45	
Chemung	48	—10	24.8	1.49	4.5
Chester	.....	.....	.....	1.01	T.
Cisne	64	3	36.0	0.93	T.
Coatsburg	52	— 5	30.8	2.25	
Cobden	68	3	38.0	1.70	T.
Danville	61	— 4	30.9	0.48	T.
Decatur	62	— 5	33.0	0.59	T.
Dixon	52	— 8	28.0	2.06	2.2
Dwight	58	— 7	28.8	1.76	1.0
Effingham	63	0	34.1	0.55	
Elgin	53	— 9	27.0	1.77	1.3
Equality	65	3	38.8	2.41	1.0
Flora	64	0	35.8	0.76	T.
Fort Sheridan	53	— 9	27.0	1.68	1.2
Friendgrove *[1]	64	6	38.0	1.91	T.
Galva	54	— 9	28.2	1.71	2.3
Glenwood *[1]	52	—10	26.4	1.38	T.
Grafton	.....	.....	.....	0.76	
Grayville	62	6	36.8	1.78	0.1
Greenville	66	0	35.5	1.41	
Griggsville	58	— 3	31.5	1.78	T.
Halfway	63	4	37.8	1.71	1.0
Halliday	70	4	35.7	1.38	.....
Havana	57	— 2	31.4	1.88	T.
Henry	59	— 7	30.0	1.82	2.5
Hillsboro	61	— 2	33.2	0.52	T.
Joliet	50	— 6	28.4	1.58	0.9
Knoxville	55	—10	27.3	1.95	1.5
Lagrange	57	— 7	28.4	1.30	T.
Laharpe	56	— 5	30.3	2.15	T.
Lanark	47	—10	25.8	1.48	2.0
Loami	.....	.....	.....	0.42	T.
McLeansboro	65	4	36.0	1.24	0.5
Martinsville	60	— 1	31.6	0.23	T.
Martinton	60	— 7	30.3	0.74	T.
Mascoutah	65	— 2	34.5	0.40	.....
Mattoon	66	0	36.1	0.51	T.
Minonk	57	— 8	29.1	1.30	0.3
Monmouth	55	— 9	28.4	1.67	1.2
Monticello *[5]	62	— 5	31.6	0.40	T.
Morgan Park	.....	—11	.....	1.41	0.5
Morrisonville	62	— 3	33.2	0.43	
Mount Carmel	.....	.....	.....	2.01	0.8
Mount Pulaski	61	— 5	32.7	0.31	T.
Mount Vernon	61	3	32.4	1.08	1.0
New Burnside	65	2	38.5	1.84	T.
Olney	63	3	35.5	0.93	0.1
Ottawa	58	— 6	30.2	1.60	0.8
Palestine	60	0	32.2	1.95	1.0
Pana	63	— 3	33.1	0.51	T.
Paris	61	— 1	31.0	0.80	
Peoria *a*	.....	.....	.....	2.11	0.2
Peoria *b*	58	— 6	31.4	1.92	T.
Philo	61	— 4	31.6	0.16	T.
Plumhill	65	3	37.1	0.46	
Rantoul	62	— 6	30.8	0.18	0.3
Raum	71	1	38.6	2.17	0.5
Riley	49	—10	26.0	1.48	1.8
Robinson	65	0	33.7	0.45	T.
Roundgrove	.....	—10	.....	1.31	2.5
Rushville	57	— 5	30.6	2.10	T.
St. Charles *[1]	52	— 8	26.0	2.12	1.0
St. John	70	4	35.9	1.98	T.
Scales Mound	47	—12	25.0	1.14	2.4
Shobonier	71	1	35.6	0.75	T.
Strawn	58	— 7	30.7	0.95	
Streator	58	— 9	30.0	1.49	0.8
Sullivan	63	— 3	32.5	0.42	
Sycamore	50	— 9	26.2	1.63	3.0
Tilden	64	4	36.4	0.63	T.
Tiskilwa	51	— 9	27.8	1.88	0.5
Tuscola	60	— 4	30.8	0.29	T.
Walnut	53	— 8	28.8	1.50	1.2
Wheaton *[6]	54	— 7	28.5	1.48	1.0
Illinois—Cont'd.					
Winchester	60	— 2	32.2	0.94	
Winnebago	50	—10	26.2	2.20	3.0
Indiana.					
Anderson	60	— 4	32.5	1.26	0.5
Angola	53	— 7	27.3	1.37	2.4
Auburn	56	— 6	29.8	0.76	T.
Bedford	68	— 4	30.7	3.13	1.0
Bloomington	60	— 1	34.2	2.25	T.
Bluffton	59	— 6	31.2	0.83	0.5
Boonville	62	— 2	34.1	1.90	T.
Butlerville	61	— 3	33.9	3.43	1.6
Cambridge City	58	— 4	31.9	2.50	1.4
Columbus	62	— 2	33.0	2.55	0.8
Connersville	62	— 2	32.1	2.28	0.4
Culver	58	— 5	32.4	0.03	T.
Delphi	62	— 5	29.5	0.46	0.5
Fairmount	58	— 6	31.0	0.90	T.
Farmland	58	— 3	32.1	2.42	2.9
Fort Wayne	60	— 7	29.8	0.86	T.
Franklin *[1]	62	2	34.0	1.97	0.4
Greencastle	59	— 3	31.6	0.67	1.9
Greensburg	61	— 4	33.9	1.73	T.
Hammond	49	— 8	28.0	1.75	T.
Hector	57	— 7	31.0	1.01	1.0
Huntington	59	— 5	30.0	0.96	2.0
Jasper	.....	.....	.....	3.02	0.1
Jeffersonville	61	5	36.8	3.13	0.7
Knightstown	58	— 3	31.4	2.37	2.0
Kokomo	60	— 4	31.9	0.51	0.6
Lafayette	60	— 7	31.5	0.37	T.
Laporte	59	— 4	30.3	1.11	4.1
Logansport	59	— 5	30.0	0.78	.....
Madison *a*	64	— 1	36.1	3.42	2.0
Madison *b*	.....	.....	.....	2.62	1.0
Marengo	63	— 1	36.1	4.06	0.8
Marion	60	— 6	32.0	0.88	0.8
Markle	59	— 7	30.8	0.50	1.0
Mauzy	60	— 3	32.2	2.57	2.0
Mount Vernon	67	5	38.4	1.86	0.5
Northfield	59	— 5	31.9	1.13	1.0
Paoli	61	— 1	34.8	2.92	1.5
Peru	62	— 6	33.6	0.91	0.1
Richmond	58	— 1	32.2	2.51	T.
Rockport	65	— 5	40.4	3.12	0.3
Rockville	62	— 3	32.8	0.45	T.
Salem	59	— 2	33.6	2.75	1.2
Scottsburg	63	2	36.0	3.30	T.
Seymour	63	0	34.2	2.66	1.0
Shelbyville	60	0	32.6	1.84	.....
South Bend	51	— 5	29.1	0.87	4.0
Syracuse	58	— 7	28.2	0.79	0.9
Terre Haute	65	1	33.6	0.74	T.
Topeka	58	— 3	28.8	0.79	4.0
Valparaiso	50	— 8	31.0	T.	T.
Veedersburg	.....	— 4	.....	0.43	0.2
Vevay	65	2	34.4	4.20	4.0
Vincennes	67	— 2	35.3	1.63	T.
Winamac	59	0	30.0	0.07	0.2
Worthington	63	— 2	32.8	1.41	0.2
Indian Territory.					
Hartshorne	72	10	45.0	1.08	T.
Healdton	72	9	43.2	1.15	T.
Lehigh	73	12	44.0	1.72	T.
Muscogee	68	6	41.2	0.60	T.
Ryan	73	14	45.0	0.60	T.
Sapulpa	68	5	41.7	0.45	1.0
South McAlester	.....	.....	.....	1.14	T.
Tahlequah	68	2	41.1	1.74	0.4
Tulsa	.....	.....	.....	0.47	
Wagoner	69	3	40.3	1.26	0.2
Webbers Falls	.....	.....	.....	1.01	0.1
Iowa.					
Afton	51	—11	27.4	0.23	
Albia	54	—10	28.8	0.34	T.
Algona *[1]	51	—18	22.7	0.63	6.2
Alta *a*	56	—15	23.3	0.45	2.0
Amana	49	—10	26.9	0.72	0.5
Ames *b*	54	—11	26.4	0.38	0.5
Ames (near)	.....	.....	.....	0.28	0.8
Atlantic	53	—10	27.2	0.40	0.5
Audubon	52	—12	26.0	0.37	1.0
Bancroft	53	—16	23.1	0.50	5.0
Batavia	.....	.....	.....	0.06	T.
Baxter	53	—12	24.2	0.26	1.0
Bedford	55	—10	28.6	0.32	.....
Belknap	57	— 8	28.1	0.80	1.0
Bonaparte	55	— 6	29.8	1.54	
Britt	45	—15	22.1	0.63	5.0
Buckingham	.....	.....	.....	0.42	0.5
Burlington	61	— 4	33.2	1.68	.....
Bussey	.....	.....	.....	0.38	T.
Carroll	59	—14	24.0	0.18	0.5
Carson	.....	.....	.....	0.79	0.2
Cedar Rapids	53	—10	28.4	0.61	.....
Centerville	55	— 8	29.5	0.30	.....
Chariton	55	—10	28.4	0.15	T.
Iowa—Cont'd.					
Charles City	43	—14	22.4	0.58	3.0
Chillicothe	.....	.....	.....	0.72	.....
Clarinda	57	— 8	28.4	0.49	T.
Clearlake	45	—17	21.8	0.55	5.5
Clinton	51	— 8	27.0	1.31	1.2
College Springs	53	— 8	29.0	0.22	
Coon Rapids	51	—15	26.5	0.26	0.5
Corning	50	—10	28.0	0.25	
Council Bluffs	63	— 8	28.8	0.19	
Cresco	40	—18	19.0	0.80	7.0
Cumberland	.....	.....	.....	0.10	1.0
Danville	.....	.....	.....	1.20	1.0
Decorah	43	—17	20.2	1.07	7.0
Delaware	46	—13	24.1	0.74	1.0
Denison	54	—14	26.1	0.20	T.
Desoto	53	— 9	26.9	0.20	.....
Dows	51	—15	22.8	0.35	3.5
Eldon	58	— 8	30.0	0.57	0.3
Elkader	54	—12	24.5	0.73	3.0
Emerson	.....	.....	.....	0.29	0.6
Emmetsburg	.....	.....	.....	0.36	
Fairfield	53	— 7	29.0	0.88	T.
Fayette	44	—14	22.2	0.88	4.9
Fonda	56	—14	22.4	0.85	8.2
Forest City	50	—17	21.4	0.65	4.0
Fort Dodge	.....	—14	.....	0.10	1.0
Fort Madison	.....	.....	.....	2.00	
Galva	57	—13	24.5	T.	T.
Gilman	.....	.....	.....	0.14	T.
Gladbrook	.....	.....	.....	1.35	2.0
Glenwood	56	— 8	30.0	0.27	T.
Grand Meadow *[1]	40	—14	21.8	0.64	6.0
Greene	47	—13	23.6	0.55	6.0
Greenfield	52	—12	26.8	0.33	0.3
Grinnell	48	—10	25.8	0.54	T.
Grinnell (near)	48	—11	26.2	0.70	0.7
Griswold	.....	.....	.....	0.34	T.
Grundy Center	50	—15	22.4	0.42	4.0
Guthrie Center	52	—11	28.5	T.	T.
Hamburg	.....	.....	.....	T.	T.
Hampton	53	—14	23.3	0.47	4.0
Harlan	52	—12	26.0	0.35	0.3
Hawkeye	.....	.....	.....	0.96	7.5
Hedrick	53	— 9	28.2	0.27	0.5
Hopeville	51	—10	27.8	0.17	T.
Hoprig	.....	.....	.....	0.25	2.5
Humboldt	52	—13	24.5	0.27	
Independence	46	—13	23.2	0.34	3.2
Indianola	52	—10	27.7	0.39	0.7
Iowa City	54	—10	27.1	0.73	1.0
Iowa Falls	48	—13	22.2	0.46	4.0
Keosauqua	56	— 6	30.0	0.75	T.
Knoxville	55	— 8	29.0	0.15	T.
Lacona	.....	.....	.....	0.25	T.
Lamoni	53	— 9	29.0	0.23	
Lansing	51	—13	24.7	1.05	9.4
Larchwood	59	—15	22.6	0.05	0.2
Larrabee	57	—16	23.2	0.35	0.8
Leclaire	.....	.....	.....	1.16	2.0
Lemars	58	—13	25.4	0.24	2.5
Lenox	51	—11	27.8	0.39	T.
Lockridge	.....	.....	.....	0.15	1.5
Logan	53	—10	27.1	0.20	T.
Maple Valley	.....	.....	.....	0.38	2.0
Maquoketa	54	—11	25.7	0.83	2.5
Marshalltown	51	—12	26.4	1.08	.....
Mason City	48	—18	20.8	0.70	3.0
Melrose	.....	.....	.....	0.20	2.0
Monticello	48	—12	25.9	0.73	4.0
Mooar	58	— 4	30.6	2.47	
Mountayr	52	—10	27.8	0.24	T.
Mount Pleasant	54	—12	26.0	1.23	T.
Mount Vernon *a* *[1]	49	—14	24.8	.....	.....
Mount Vernon *b*	51	—12	26.2	0.91	2.4
New Hampton	42	—15	21.4	1.22	7.0
Newton	.....	—13	.....	0.37	T.
North McGregor	.....	.....	.....	1.07	5.6
Northwood	49	—16	21.2	0.65	5.0
Odebolt	57	—12	26.0	T.	T.
Ogden	54	—12	26.2	0.31	1.2
Olin	49	—11	29.7	0.81	2.0
Onawa	63	—10	27.9	0.26	
Osage	43	—17	20.4	0.93	7.0
Osceola	54	—10	27.9	0.19	1.0
Oskaloosa	55	—10	24.5	0.34	0.6
Ottumwa	66	— 6	29.8	0.50	1.0
Ovid	57	— 9	28.0	0.25	0.2
Pacific Junction	54	— 8	27.9	0.27	0.2
Pella	47	—10	23.8	0.10	
Plover	55	—14	25.1	0.35	2.5
Primghar	60	—16	27.0	0.10	1.0
Redoak	58	— 8	31.6	0.34	0.5
Ridgeway	45	—16	24.4	1.65	6.6
Rockwell City	53	—13	23.8	0.55	3.0
Ruthven	.....	.....	.....	0.47	4.0
Sac City	56	—13	25.8	0.38	1.3

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.
Iowa—Cont'd.					
Scranton	52	−11	26.7	T.	T.
Sheldon	55	−15	25.0	0.27	1.7
Sibley	55	−17	22.6	0.22	1.2
Sigourney	55	−10	28.8	0.32	0.4
Sioux Center	54	−15	23.4	0.15	1.5
Spirit Lake	51	−16	22.3	0.32	2.0
Storm Lake	54	−14	24.2	0.35	2.1
Stuart	48	−12	24.4	.....	.....
Thurman	57	− 5	28.6	0.80	T.
Toledo	54	−12	24.6	0.33	.....
Villisca	50	− 9	26.8	0.32	
Vinton *[1]	50[e]	−11	25.4[e]	0.20	2.0
Wapello	58	− 6	29.4	1.40	1.2
Washington	54	−11	26.4	0.74	.....
Washta	.....	.....	.....	0.34	T.
Waterloo	49	−12	24.1	0.70	3.5
Waverly	46	−12	23.3	0.64	.....
Westbend *[1]	53	−15	21.9	0.70	6.5
West Union	.....	.....	.....	0.45	4.5
Whitten	48	−15	22.4	0.10	1.0
Winterset	52	−11	27.0	0.23	T.
Woodburn	.....	.....	.....	0.27	1.0
Kansas.					
Abilene	61	3	34.6	0.20	T.
Achilles	.....	.....	.....	0.04	0.4
Altoona *[3]	59	7	33.2	0.34	T.
Anthony	.....	.....	.....	0.46	T.
Atchison *a*	63	− 2	34.0	0.32	0.2
Atchison *b*	.....	.....	.....	0.45	
Augusta	64	5	37.2	0.12	
Beloit	60	− 2	31.6	0.15	
Burlington	61	1	35.7	0.40	
Campbell	59	− 5	32.2	0.32	
Centropolis *[1]	64	0	34.0	0.12	0.2
Chanute	68	5	40.2	0.40	
Colby	68	− 8	33.7	T.	T.
Columbus	66	5	36.8	0.85	0.7
Coolidge	75	4	35.5	T.	T.
Cunningham	65	4	36.6	0.04	T.
Delphos	65	2	34.6	0.60	T.
Dresden	62	− 6	34.5	T.	T.
Ellinwood	65	3	34.9	0.17	T.
Emporia	65	.....	.....	0.00	
Englewood	74	8	39.1	0.40	1.5
Eskridge	62	0	34.8	0.15	T.
Eureka	.....	.....	.....	0.41	
Eureka Ranch	69	− 1	33.8	T.	T.
Fallriver	64	2	38.4	0.40	T.
Fanning	63	− 3	32.9	0.05	T.
Frankfort	64	− 3	32.9	0.65	T.
Garden City	67	3	35.6	0.15	1.0
Garfield	.....	.....	.....	0.02	T.
Grenola	65	3	37.5	0.39	T.
Hays	69	2	35.4	0.10	1.0
Horton	59	− 2	32.8	0.20	T.
Hutchinson	67	9	39.2	0.28	T.
Independence	63	6	38.4	0.45	0.8
Lakin	70	3	36.0	0.00	
Lawrence	63	0	34.6	0.13	T
Lebo	61	0	35.0	0.18	T.
Little River	66	4	34.0	0.15	
Macksville	71	6	35.8	0.28	T.
McPherson	64	4	35.3	0.38	T.
Manhattan *b*	65	1	33.3	0.12	
Manhattan *c*	67	− 2	34.4	0.08	T.
Marion	59	5	36.1	0.10	
Meade	69	8	41.4	T.	
Medicine Lodge	66	6	37.0	0.04	T.
Minneapolis	62	3	33.7	0.06	T.
Morantown	60	2	36.4	0.36	T.
Ness City	67	4	36.0	0.25	
Newton [e]	65	4	37.2	0.18	
Norwich	64	7	38.4	0.06	T.
Oberlin	.....	.....	.....	T.	T.
Olathe	62	− 1	35.4	0.55	
Osage City	65	− 1	35.5	0.05	T.
Oswego	70	6	38.7	0.30	T.
Ottawa	62	0	35.4	0.18	T.
Phillipsburg	64	− 2	32.8	T.	T.
Pratt	65	7	36.2	0.36	
Rome *[1]	63	8	37.8	0.43	T.
Russell	66	2	33.7	0.47	T.
Salina	62	2	33.2	0.10	T.
Scott	69	0	33.3	0.00	
Sedan	65	5	36.8	0.18	
Seneca	64	− 2	32.4	0.10	T.
Toronto	66	.....	.....	0.35	
Tribune	65	1	34.3	T.	T.
Ulysses	69	5	36.2	0.10	1.0
Valley Falls	61	− 2	33.8	0.11	T.
Viroqua	67	6	37.2	0.30	2.0
Wakeeney (near)	.....	.....	.....	T.	T.
Wallace	.....	.....	.....	0.05	0.5
Wamego *[1]	63	0	32.7	0.17	T.
Winfield	64	6	38.4	0.57	0.2
Yates Center	62	− 2	35.4	1.06	T.
Kentucky.					
Alpha *[3]	77	3	38.4	2.86	1.0
Bardstown	66	0	37.4	2.94	
Blandville	65	5	38.0	2.75	0.3
Bowling Green	67	4	38.2	3.15	0.2
Burnside	.....	.....	.....	2.48	
Caddo	56	0	32.8	2.40	1.0
Canton *[1]	65	5	40.4	2.85	0.3
Carrollton	60	0	34.6	2.42	T.
Catlettsburg	64	.....	.....	2.92	1.2
Earlington	65	3	38.1	4.00	0.7
Edmonton	66	1	37.8	2.26	1.5
Eubank	64	− 6	37.2	3.42	T.
Falmouth	.....	.....	.....	2.85	1.2
Frankfort	64	3	37.6	2.38	1.0
Georgetown	62	− 2	36.3	.....	.....
Greensburg	65	− 8	35.4	2.16	0.8
Henderson	63	6	36.4	1.67	0.5
Hopkinsville	64	1	37.2	2.61	T.
Irvington	64	3	37.4	2.56	0.2
Jackstown	68	− 2	38.3	2.28	T.
Leitchfield	65	1	36.8	3.06	0.2
Loretto	69	− 8	36.0	2.80	0.5
Marrowbone	66	− 3	37.2	2.34	1.0
Maysville	66	− 4	34.2	2.48	1.2
Mount Hermon	63	− 1	37.0	2.32	0.8
Mount Sterling	61	0	35.1	3.35	1.5
Owensboro	67	4	39.2	2.96	0.5
Owenton	63	− 3	34.9	4.94	3.5
Paducah *a*	.....	.....	.....	3.01	0.5
Paducah *b*	76	8	40.8	2.60	0.5
Pikeville	64	− 5	37.0	2.60	3.2
Princeton	65	5	37.7	3.86	T.
Richmond	64	− 1	35.0	2.19	2.0
St. John	64	− 1	37.0	2.98	0.2
Scott	61	− 2	34.0	2.65	1.3
Shelby City	65	− 2	36.6	2.92	1.1
Shelbyville	63	2	36.5	4.10	2.5
Vanceburg	63	1	36.7	2.50	T.
Williamsburg	66	− 1	39.0	1.65	T.
Louisiana.					
Abbeville	77	25	52.4	2.85	
Alexandria	74	18	49.9	3.98	
Amite	73	18	50.0	6.58	
Bastrop	72	16	48.4	2.66	T.
Baton Rouge	78	20	52.2	7.84	
Calhoun	69	17	45.6	3.74	
Clinton	73	20	49.7	4.77	
Como	73	16	46.5	2.65	T.
Donaldsonville	74	23	49.6	3.10	
Emille	69	23	50.4	7.80	
Farmerville	71	14	45.9	2.72	0.4
Franklin	71	24	50.0	3.39	
Grand Coteau	73	22	51.2	5.56	
Hammond	76	19	52.0	10.68	
Jeanerette	71	20	49.6	3.35	
Jennings	76	20	51.4	8.54	
Lafayette	73	22	50.8	4.85	
Lake Charles	75	23	51.6	5.45	
Lake Providence	73	15	47.8	2.90	
Lawrence	76	27	50.7	1.60	
Libertyhill	76	15	49.1	3.88	T.
Mansfield	75	15	46.0	4.28	T
Melville	74	16	50.4	5.72	
Minden [d]	74	15	45.0	3.09	T.
Monroe	74	17	46.2	4.13	T.
New Iberia	69	22	50.6	4.45	
Oakridge [k]	71	17	48.0	6.53	
Opelousas	.....	21	.....	4.98	
Oxford	74	15	47.1	4.20	T.
Paincourtville	74	22	52.6	5.87	
Plain Dealing	74	12	46.4	2.69	0.2
Plaquemine	72	24	52.2	9.50	
Prevost	78	20	51.2	6.01	
Rayne	75	24	51.5	9.91	
Robeline	.....	20	.....	3.50	T.
Ruston	71	15	47.2	3.49	T.
Schriever	78	21	52.0	3.27	
Shellbeach	72	24	51.6	7.92	
Southern University	76	23	51.0	3.14	
Sugar Ex. Station	70	24	49.9	3.96	
Sugartown	69	22	51.0	6.84	
Wallace	74	24	51.6	9.16	
White Sulphur Springs	.....	19	.....	4.11	1.5
Maine.					
Bar Harbor	51	− 5	23.9	11.15	19.3
Belfast *[6]	45	− 2	22.8	5.68	16.0
Calais	45	−14	19.5	5.59	20.0
Carmel	42	−12	18.3	.....	.....
Cornish *[1]	49	0	21.5	5.81	28.0
Fairfield	47	−28	18.5	5.89	19.5
Farmington	54	−17	17.0	6.19	36.5
Flagstaff	46	−23	14.8	4.30	30.0
Gardiner	47	−11	19.8	7.19	15.5
Kineo	42	−10	15.4	5.17	31.7
Lewiston	56	−10	19.9	6.85	25.0
Mayfield	44	−11	15.4	6.27	38.0
Maine—Cont'd.					
North Bridgton	45	−14	18.4	6.44	25.8
Orono	46	−19	17.8	8.14	26.8
Petit Menan *[1]	35	6	25.2	.....	.....
Rumford Falls	47	−14	16.2	5.80	37.8
Winslow	49	−24	24.6	6.35	21.0
Maryland.					
Annapolis	60	10	35.8	3.00	1.0
Bachmans Valley	55	5	30.9	2.21	0.5
Boettcherville	63	6	34.6	1.70	.....
Boonsboro *a*	62	8	32.6	2.31	2.0
Cambridge [e]	62	16	38.0	3.25	T.
Chase	60	0	32.0	2.94	1.0
Chewsville	60	0	33.3	2.34	T.
Coleman	60	.....	.....	3.59	1.5
Collegepark	61	6	31.6	1.71	0.1
Cumberland	69	7	37.0	2.05	0.5
Darlington	59	7	32.8	2.64	2.5
Deerpark	55[c]	− 8[c]	27.8[c]	1.97	.....
Denton	59	9	35.8	2.72	.....
Easton	60	12	36.2	2.71	.....
Ellicott City	62	6	33.4	2.34	1.6
Fallston	57	8	33.4	2.30	2.0
Frederick	61	11	33.8	2.38	1.0
Frostburg	57	0	32.2[c]	2.47	4.8
Grantsville	57	− 5	28.0	1.86	4.5
Greatfalls	62	5	31.6	2.12	.....
Greenspring Furnace	60	8	32.4	2.04	T.
Hagerstown	63	9	33.8	2.60	2.2
Hancock	62	6	33.0	1.70	.....
Harney	.....	.....	.....	2.32	.....
Jewell	63	9	36.2	2.42	T.
Johns Hopkins Hospital	62	8	33.5	2.56	1.0
Laurel	65	3	33.4	1.67	1.0
McDonogh	5[illegible]	7	34.1	.....	.....
Mount St. Marys Coll	60	4	32.8	1.97	1.0
Newmarket	59	9	32.3	2.38	0.8
Pocomoke	61	14	38.8	2.43	T.
Princess Anne	60	6	36.2	2.89	1.5
Queenstown	59	9	34.5	2.79	1.0
Rockhall *b*	57	10	35.1	2.63	2.7
Sandy Point	65	9	38.5	1.90	.....
Sharpsburg	60	8	32.7	2.00	0.5
Smithsburg *a*	61	3	32.6	1.65	1.0
Smithsburg *b*	60	7	33.5	3.21	1.1
Solomons	63	15	38.0	3.15	1.0
Sudlersville	63	12	37.5	3.73	.....
Sunnyside	55	− 8	27.2	3.31	7.5
Takoma Park	66	4	34.4	1.98	1.0
Taneytown	60	10	31.6	1.50	0.8
Van Bibber	57	5	31.0	2.85	.....
Westernport	55	3	29.6	1.34	1.5
Westminster	58	5	32.2	2.20	T.
Woodstock	59	5	32.1	1.66	0.4
Massachusetts.					
Adams	52	4	26.8	.....	.....
Amherst	52	− 1	26.2	4.48	11.5
Attleboro	.....	.....	.....	4.26	.....
Bedford	51	− 2	26.1	5.03	9.0
Bluehill (summit)	56	4	27.8	4.25	10.0
Cambridge	56	2	28.8	4.71	.....
Chestnuthill	56	− 6	28.4	4.38	7.5
Cohasset	.....	.....	.....	4.43	6.0
Concord	55	− 9	25.6	3.56	8.5
Dudley *[1]	53	4	27.6	3.53	T.
East Templeton *[1]	50	2	24.0	4.11	13.0
Fallriver	56	8	30.5	4.15	8.0
Fitchburg *a* *[1]	50	2	25.4	4.03	12.0
Fitchburg *b*	51	− 2	25.6	4.49	13.0
Framingham	58	− 2	28.4	4.64	.....
Groton	53	− 6	24.1	4.63	13.5
Hyannis *[1]	54	10	32.0	5.55	5.6
Jefferson	.....	.....	.....	4.39	11.2
Lawrence	54	−13	25.6	5.10	16.0
Leeds	52	− 6	24.9	3.65	12.5
Leominster	.....	.....	.....	4.27	12.0
Longplain	.....	.....	.....	3.24	5.0
Lowell *a*	52	− 6	25.9	5.45	.....
Lowell *b*	57	− 5	25.5	.....	.....
Ludlow Center	50	− 8	23.6	3.84	10.5
Lynn	58	6	29.0	3.18	.....
Middleboro	60	− 6	28.9	4.43	6.2
Monson	55	− 2	26.4	4.51	11.0
New Bedford *a*	59	12	32.6	5.24	7.5
New Salem	52	1	24.0	4.20	18.3
Pittsfield	50	2	23.1	3.89	15.0
Plymouth *[1]	62	3	30.8	5.03	7.0
Princeton	.....	.....	.....	4.64	11.0
Provincetown	56	4	32.4	3.74	.....
Salem	.....	.....	.....	4.91	16.0
Somerset *[1]	60	0	30.8	4.45	9.0
South Clinton	.....	.....	.....	5.02	9.5
Springfield Armory	53	3	28.2	3.70	13.0
Sterling	.....	.....	.....	4.19	10.5
Taunton *c*	59	− 11	28.5	5.21	.....
Webster	.....	.....	.....	4.42	7.5
Westboro	54	0	28.3	4.86	8.0

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.
Massachusetts—Cont'd.	°	°	°	*Ins.*	*Ins.*
Weston	56	— 8	28.2	4.42	9.6
Williamstown *[1]	46	5	25.0	3.61	16.5
Winchendon	.....	.....	.....	4.27	22.0
Worcester *b*	56	2	26.8	3.13	9.0
Michigan.					
Adrian	53	— 4	26.7	0.72	1.0
Agricultural College	47	—10	25.6	1.17	3.6
Allegan	50[e]	— 8[e]	29.4[e]	1.33	12.5
Alma	47	— 7	26.0	1.59	8.0
Ann Arbor	50	— 7	26.6	1.06	4.0
Arbela	47	— 7[e]	26.7[c]	0.94	5.0
Baldwin	43	— 5	21.8	1.00	9.0
Ball Mountain	49	— 6	26.0	0.99	4.7
Battlecreek	53	— 4	27.0	1.10	3.1
Bay City	48	— 7	25.4	1.49	3.2
Berlin	48	— 9	25.0	1.61	11.8
Berrien Springs	59	— 1	29.8	3.99	30.0
Big Rapids	44	—11	24.0	2.98	10.5
Boon	41	—14	21.2	3.12	24.7
Calumet	48	— 7	19.7	1.84	22.0
Carsonville	48	—10	25.2	1.88	10.5
Charlevoix	43	0	25.0	2.95	24.0
Cheboygan	45	— 8	23.6	0.80	6.0
Clinton	51	— 6	28.0	1.07	2.3
Coldwater	54	— 5	26.7	1.14	5.5
Eagle Harbor	51	— 1	23.2	2.17	20.5
East Tawas	46	— 7	24.4	0.74	T.
Eloise	47[d]	— 4	27.1	1.14	3.3
Ewen	.....	.....	.....	0.75	7.5
Fairview	49	— 6	26.2	0.33	1.0
Fitchburg	48	— 8	26.4	1.53	6.5
Flint	.....	— 6	.....	1.12	6.5
Frankfort	47	0	26.7	1.78	16.5
Gladwin	45	—26	24.3	1.20	10.5
Grand Rapids	49	— 5	28.0	2.42	12.0
Grape	52	— 4	28.3	1.09	2.0
Grayling	42	—12	21.3	1.00	7.5
Hanover	50	— 8	26.4	0.97	5.8
Harbor Beach	50	— 8	25.6	0.60	4.7
Harrison	40	—11	21.1	0.91	9.1
Harrisville	48	—14	22.8	1.24	8.5
Hart	43	— 7	26.2	2.45	13.0
Hastings	49	—16	26.4	1.39	4.8
Hayes	48	— 8	24.3	0.68	6.8
Highland Station	.....	.....	.....	1.78	7.0
Hillsdale	52	— 6	27.0	0.79	3.0
Holland *[9]	42	7	34.2	.....	.....
Howell	49	— 2	26.2	.....	.....
Humboldt	48	—19	14.6	0.28	2.0
Ionia	47	—12	26.2	0.93	2.8
Iron Mountain	55	—13	20.4	0.40	2.1
Iron River	50	—15	18.4	0.60	6.0
Ishpeming	47	—10	17.0	0.80	8.0
Ivan	45	— 7	21.8	2.56	22.0
Jackson	50	— 6	27.8	1.03	2.3
Jeddo	47	— 7	24.4	1.90	17.0
Kalamazoo	55	— 4	27.6	1.77	6.0
Lake City	41	—11	22.2	0.90	9.0
Lansing	49	— 7	26.6	1.43	4.2
Lapeer	50	1	28.9	1.23	10.0
Lathrop	49	— 9	21.0	0.87	5.5
Lincoln	44	— 9	23.0	0.70	6.0
Ludington	42	— 3	26.4	0.97	9.0
Luzerne	43	—12	21.2	1.61	9.0
Mackinaw	46	— 7	23.6	0.88	7.0
Madison	50	— 5	27.1	1.06	2.1
Mancelona	43	—10	20.9	2.39	18.0
Manistee *j*	44	— 2	25.4	1.22	12.0
Manistique	40	— 5	23.2	0.82	4.0
Menominee	40	— 9	19.8	0.40	4.0
Middle Island *[10]	42	0	24.6	.....	.....
Mottville	58	— 9	27.4	1.27	3.9
Mount Clemens	48	— 4	26.4	0.20	T.
Mount Pleasant	45	— 8	25.7	1.63	5.3
Muskegon	48	— 1	26.7	1.85	8.0
Newberry	42	— 6	20.0	0.55	4.5
Northport	45	2	25.3	2.50	25.0
Old Mission	45[e]	— 1[e]	25.4[e]	1.00	10.0
Olivet	51	— 5	27.0	1.25	3.5
Omer	45	—12	21.8	0.55	5.5
Ovid	48	— 7	26.0	0.99	5.0
Owosso	50	— 7	26.1	1.28	6.0
Petoskey	43	— 3	24.5	2.44	22.0
Plymouth	49	—15[e]	22.2[c]	.....	.....
Port Austin	48	— 6	24.0	T.	T.
Reed City	42	—15	22.3	1.95	19.0
Rogers	47	— 5	22.1	0.60	6.0
Romeo	48	— 5	26.1	1.13	T.
Saginaw	50	— 7	26.7	1.39	6.2
St. Ignace	46	—11	21.0	0.64	7.0
St. Johns	50	— 6	27.4	0.71	5.3
St. Joseph	58	— 1	30.3	1.47	5.0
Sidnaw	47	—15	19.0	0.85	8.5
Somerset	50	— 7	26.4	0.55	1.0
South Haven	55	8	29.7	1.38	9.8
Stanton	45	—10	22.8	.....	.....
Michigan—Cont'd.	°	°	°	*Ins.*	*Ins.*
Thomaston [f]	50	—14	20.2	1.20	12.0
Thornville	47	— 6	27.2	1.04	11.0
Traverse City	42	0	26.4	2.45	20.5
Vandalia	56	— 5	28.0	2.24	10.0
Vassar	49[e]	— 5	27.8[e]	1.34	10.5
Wasepi	50	— 6	27.6	0.99	3.0
Waverly	52	— 2	26.0	3.60	11.1
Wetmore	44	— 7	19.3	1.58	14.0
Whitecloud	46	—15	25.8	1.35	11.0
Ypsilanti	49	— 5	27.3	1.56	5.2
Minnesota.					
Ada	50	—25	13.7	0.08	1.0
Albert Lea	50	—17	22.6	0.03	0.3
Alexandria	46	—26	16.7	0.29	2.9
Ashby	45	—22	16.0	0.38	4.5
Bemidji	.....	—26	.....	0.33	4.0
Bird Island	53	—19	19.6	0.36	3.6
Blooming Prairie	45	—18	19.7	0.50	5.0
Brainerd	46	—25	16.5	0.32	3.5
Caledonia	41	—19	20.4	0.81	6.2
Camden	59	—17	20.9	0.13	1.8
Collegeville	49[j]	—19	20.0[e]	0.90	3.5
Crookston	47	—23	13.8	0.32	3.2
Currie	53	—18	20.4	0.23	2.3
Deephaven	.....	.....	.....	0.64	5.0
Detroit City	48	—27	12.0	0.50	3.5
Faribault	48	—19	20.6	0.25	3.8
Farmington	50	—23	19.4	0.55	5.0
Fergus Falls	47	—24	15.9	0.41	4.1
Glencoe	55	—18	21.0	.....	.....
Grand Meadow	40	—18	19.2	0.55	6.5
Hallock	42	—32	8.8	0.48	4.8
Lake City	47	—18	22.0	0.57	2.7
Lake Jennie	57	—19	24.2	T.	T.
Lakeside	55	—19	21.0	0.13	2.0
Lake Winnibigoshish	52	—29	14.2	0.81	8.3
Leech	53	—33	11.4	0.61	6.3
Leroy	47	—17	22.2	0.95	9.5
Long Prairie	46	—24	16.8	0.31	3.5
Luverne	55	—16	22.0	.....	.....
Lynd	59	—23	21.3	0.25	3.5
Mapleplain *[1]	51	—20	20.0	0.63	5.5
Milan	61	—21	18.8	0.51	5.1
Minneapolis *a*	47	—20	18.9	0.55	5.1
Minneapolis *b*[1]	48*	—20	20.3	0.61	4.4
Minnesota City *[1]	44	—20	23.3	0.58	5.0
Montevideo	57	—21	19.0	0.51	5.6
Morris	50	—20	18.7	0.52	5.2
Mount Iron	49	—30	13.2	0.62	8.0
Newfolden	43	—32	9.0	0.27	3.2
New London	50	—21	15.7	0.30	3.1
New Richland *[1]	46	—20	19.2	.....	.....
New Ulm	54	—17	20.4	0.23	2.0
Park Rapids	45	—28	13.8	0.32	3.2
Pine River	46	—26	14.8	0.36	4.7
Pipestone	55	—19	19.6	0.12	1.2
Pleasant Mounds	52	—17	22.0	0.31	3.2
Pokegama Falls	50	—38	10.9	0.55	6.8
Redwing	.....	.....	.....	0.79	6.0
Reeds	.....	.....	.....	1.05	2.8
Rolling Green	49	—16	21.4	0.50	5.0
St. Charles	45	—17	20.3	1.27	6.5
St. Cloud	50	—21	19.6	0.27	3.0
St. Peter	51	—14	22.4	0.35	2.5
Sandy Lake Dam	48	—27	14.4	0.66	9.1
Shakopee	50	—19	21.4	0.44	3.2
Tower	50	—29	13.5	1.00	10.0
Two Harbors	57	—25	18.3	0.59	5.0
Wabasha *[1]	47	—17	22.0	0.63	6.5
Willmar	54	—20	18.3	0.29	3.2
Willow River	47	—26	16.5	0.67	8.8
Winnebago City	51	—19	22.5	0.45	3.5
Worthington	51	—17	21.7	1.19	3.5
Zumbrota *[1]	48	—21	21.8	.....	.....
Mississippi.					
Aberdeen	66	12	41.0	1.20	T.
Americus	73	19	50.0	5.39	T.
Austin	75	14	44.5	2.89	T.
Batesville	68	12	41.2	1.67	
Bay St. Louis	70	22	48.5	8.16	
Biloxi	71	23	49.8	6.32	T.
Booneville	64	11	40.6	2.09	
Brookhaven	74	12	45.6	3.88	T.
Canton	71	18	46.9	2.29	
Columbus *a*	.....	.....	.....	3.53	
Columbus *b*	69	17	43.6	2.85	
Crystalsprings	72	18	47.6	3.07	
Edwards	70	17	47.0	2.71	
Fayette	70	18	47.5	3.00	T.
Greenville *a*	67	15	44.8	1.93	T.
Greenville *b*	72	16	46.1	1.94	T.
Greenwood	73	18	47.1	1.81	
Hattiesburg	68	19	47.0	4.88	T.
Hernando	68	13	42.6	.....	
Holly Springs	66	12	41.2	2.23	0.2
Jackson	72	20	44.6	2.43	
Mississippi—Cont'd.	°	°	°	*Ins.*	*Ins.*
Kosciusko	71	15	45.9	2.50	T.
Lake	68	10	44.4	2.86	
Leakesville	73	13	48.0	5.31	
Logtown	70	21	50.4	5.77	
Louisville	70	13	43.5	3.48	T.
Macon	69	14	43.8	2.79	
Magnolia	71	17	48.0	4.01	
Natchez	72	22	50.6	2.80	T.
Palo Alto	69	15	41.8	2.53	T.
Pontotoc	69	11	43.4	1.75	T.
Port Gibson	72	20	48.2	2.82	T.
Ripley	65[i]	9[i]	38.4[i]	2.46	
Stonington *[1]	70	22	47.6	.....	
Thornton	73	19	48.6	3.30	
Tupelo	.....	.....	.....	2.23	
University	68[b]	13[d]	44.1[c]	2.10	0.5
Watervalley	70	21	48.4	1.96	T.
Waynesboro	78	15	47.0	2.25	
Windham	71	15	46.6	4.17	T.
Woodville	69	19	48.6	4.03	
Yazoo City	74	17	45.4	2.40	T.
Missouri.					
Appleton City	63	2	36.8	1.23	0.5
Arlington	.....	.....	.....	1.81	
Arthur *[3]	.....	3	33.2	0.25	
Avalon	59	— 5	32.4	0.67	T.
Bethany	57	— 5	29.4	0.47	
Birchtree	69	3	37.9	1.56	0.5
Boonville	.....	.....	.....	1.07	
Brunswick	58	— 2	31.0	1.15	
Carrollton	58	0	34.2	0.75	
Conception	67	— 8	32.3	T.	
Cook Station	70	0	37.6	0.75	
Cowgill *[5]	60	— 4	31.9	0.36	
Darksville	55	— 3	30.8	0.75	
Downing	.....	.....	.....	1.46	
East Lynne *[3]	.....	1	33.2	0.93	T
Edgehill *[5]	58	2	33.5	1.10	T.
Edwards	69	3	37.2	0.99	T.
Eightmile *[1]	60	0	35.6	0.96	T.
Eldon	65	1	35.8	1.68	
Elmira	62	— 3	32.5	0.30	
Fairport	.....	.....	.....	0.66	
Fayette	62	— 3	32.6	1.15	0.2
Fulton	.....	.....	.....	1.35	T.
Galena	.....	.....	.....	2.50	1.5
Gallatin *[1]	57	— 3	31.2	0.50	T.
Gayoso	66	6	40.0	2.96	0.5
Glasgow	62	— 2	32.8	1.53	.....
Gorin	.....	.....	.....	1.02	
Halfway	67	3	38.0	1.31	T.
Harrisonville	61	0	33.4	0.43	0.5
Hazlehurst	.....	.....	.....	0.36	
Hermann	.....	.....	.....	1.02	
Houston	68	2	36.8	1.31	T.
Houstonia (near)	.....	.....	.....	0.87	0.2
Irena	.....	.....	.....	0.23	T.
Ironton	68	0	35.6	1.20	T.
Jackson *[3]	64	5	34.2	1.64	1.5
Jefferson City	70	2	39.1	2.17	
Kidder	59	— 4	31.2	0.28	T.
Lamar	69	5	39.1	0.37	T.
Lamonte	.....	.....	.....	0.68	T.
Lebanon	67	2	36.0	1.74	
Lexington	63	0	35.4	0.63	
Liberty	62	— 2	32.6	0.15	
Louisiana	64	— 1	34.5	1.83	1.1
McCune *[1]	66	— 2	32.2	1.27	0.5
Macon	62	— 4	32.8	1.22	
Marblehill	67	2	36.9	1.63	0.5
Marshall	60	— 2	31.8	0.77	T.
Maryville	56	— 9	27.4	0.26	T.
Mexico	65	— 1	33.2	1.56	0.5
Miami *[5]	55	— 1	31.8	1.22	
Mineralspring	66	0	37.3	1.27	0.5
Montreal	65	0	36.6	1.58	0.2
Mount Vernon	77	4	38.0	0.89	0.8
Neosho	70	0	38.8	1.18	1.0
Nevada	.....	.....	.....	0.34	T.
New Haven	65	3	34.6	1.27	T.
New Madrid	.....	9	.....	5.21	1.0
New Palestine	63	0	33.1	1.60	T.
Oakfield	66	1	37.0	0.77	T.
Olden	68	1	37.4	1.61	T.
Oregon *a*	65	— 5	31.9	0.13	0.1
Oregon *b*	63	— 4	34.0	0.11	T.
Palmyra *[5]	58	— 4	30.6	2.40	
Phillipsburg *[1]	65	2	35.7	1.85	0.1
Pickering *[3]	64	— 6	29.0	0.42	T.
Poplarbluff	65	7	39.8	2.72	1.0
Potosi	66	— 5	34.3	1.05	T.
Princeton	55	— 7	29.2	0.73	
Richmond	60	0	33.3	0.53	T.
Rockport	.....	.....	.....	0.18	T.
Rolla	.....	.....	.....	1.38	T.
St. Charles	63	2	35.0	0.75	

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Missouri—Cont'd.	°	°	°	*Ins.*	*Ins.*
St. Joseph				0.28	
Sarcoxie *[2]		3	34.8	1.00	2.0
Sedalia	62	— 2	34.3	0.46	T.
Seymour	65	— 2	34.8	2.78	T.
Shelbina				1.80	T.
Sikeston	68	8	39.6	2.38	0.8
Steffenville	59	— 4	32.2	3.25	T.
Sublett	58	— 6	29.7	1.75	T.
Trenton	52	— 4	31.1	0.50	
Unionville	60	— 8	28.6	0.67	
Vichy	64	1	37.0	1.75	T.
Warrensburg	61	0	35.6	1.28	T.
Warrenton	64	0	32.4	0.96	
Wheatland				0.23	T.
Willowsprings	68	— 1	37.2	0.42	0.8
Windsor	63	0	35.6	1.07	
Wylie	70	2	40.2	1.22	0.3
Zeitonia	69	2	37.5	1.85	0.5
Montana.					
Adel	58	—17	30.8	0.20	2.0
Billings	55	—11	30.2		
Boulder	47	— 7	27.4	0.53	2.0
Bozeman	49	3	30.8	0.11	1.1
Butte	47	0	30.2	0.30	3.0
Canyon Ferry	48	— 7	28.0	T.	T.
Chinook	62	—17	27.0	0.10	1.0
Corvallis	55	5	33.2	0.00	
Crow Agency	54	—13	26.7	0.04	0.5
Dearborn Canyon	60	— 9	34.0	0.20	2.0
Deerlodge	60	— 2	29.2	0.04	0.4
Dell	47	—13	19.6	0.20	2.0
Dillon	58	— 8	31.2	0.01	0.1
Ekalaka	55	—18	27.6	0.25	2.5
Fort Benton	68	— 9	33.0	T.	T.
Fort Logan	52	—12	24.8	T.	T.
Glasgow	49	—20	19.7	0.11	
Glendive	61	—13	25.9	0.01	T.
Glenwood	52	— 4	29.6	0.13	
Greatfalls	60	—10	32.8	0.02	0.2
Harlem	60	—25	26.4	0.20	2.0
Kipp	56	—20	26.8	0.17	1.0
Livingston	60			T.	T.
Manhattan	51	— 9	26.6	0.05	0.5
Martinsdale	54	0	31.7	0.20	2.0
Marysville	47	— 2	27.4	0.06	0.1
Missoula	46	6	29.8	0.15	2.5
Ovando	42	—17	19.8	2.51	11.2
Parrot	51	1	31.6	T.	T.
Plains	48	6	32.2	0.40	1.0
Poplar	50	—17	21.2	0.00	
Redlodge	50	—15	27.7	1.90	19.0
Troy	50	7	32.2	2.23	3.0
Twin Bridges	52	— 6	28.8	0.00	
Utica	62	—12	30.6	0.45	1.7
Wibaux	55	—18	24.6	T.	T.
Yale	58	—11	26.8	0.60	6.0
Nebraska.					
Agee				0.04	T.
Albion	63	—11	28.4	0.15	
Alliance				T.	T.
Alma	67	— 2	32.2	0.01	0.1
Ansley	64	— 7	29.6	T.	T.
Arapaho *[1]	66	— 2	35.3	T.	T.
Arborville *[1]	62	— 7	27.4	0.05	
Ashland *a*	58	— 6	30.0	0.10	1.0
Ashland *b* *[1]	54	— 6	29.9	0.17	T.
Ashton				0.02	T.
Auburn	58	— 4	31.6	0.25	
Aurora *[1]	60	— 5	31.1	0.03	T.
Bartley				0.05	0.5
Beatrice	58	— 3	31.0	0.50	
Beaver	68	— 5	33.0	T.	T.
Bellevue				0.29	0.2
Benedict				0.35	
Benkleman				T.	
Blair	58	—10	28.2	0.31	T.
Bluehill				T.	T.
Bradshaw				0.25	T.
Brokenbow *[1]	60	— 6	30.0	0.05	0.5
Burchard				0.00	
Burwell				T.	T.
Callaway	63	— 8	27.1	T.	T.
Camp Clarke	64	—10	27.8	T.	T.
Central City				T.	T.
Chester				T.	
Clatonia	59	— 5	29.8	0.00	
Cody				0.00	
Columbus	56	— 8	29.8	0.01	
Creighton *[1]	64	— 9	25.5		
Crete	59	— 6	24.8	0.20	T.
Culbertson				0.02	0.2
David City	59	— 8	29.0	0.15	
Dawson	65	— 3	32.6	0.10	
Eden				0.25	
Edgar *a*				0.10	T.
Elba				0.02	0.2
Nebraska—Cont'd.	°	°	°	*Ins.*	*Ins.*
Ericson				T.	T.
Ewing				0.00	
Fairbury	65	— 3	31.0	T.	
Fairfield *b*	70	— 4	32.6	T.	T.
Fairmont	66	— 5	31.4	0.15	
Fort Robinson	68	— 6	33.3	0.17	0.7
Franklin	61	— 2	32.6	0.00	
Fremont	60	—10	28.3	0.24	T.
Geneva	60	— 4	29.4	0.17	
Genoa	64	— 8	29.4	0.04	
Gering	64	— 8	31.0	T.	T.
Gordon				0.05	
Gothenburg	60	— 6	30.2	T.	T.
Grand Island *a*				0.05	0.5
Grand Island *b*	65	— 5	31.6	0.00	
Grand Island *c*	65	— 6	30.3	0.03	T.
Greeley				0.02	0.2
Halgler				T.	T.
Hartington	60	—13	25.9	0.40	1.5
Harvard	62	— 4	30.5	0.16	T.
Hastings *[1]	59	— 7	29.4	T.	T.
Hayes Center				0.02	0.2
Hay Springs	67	—13	30.2	0.29	2.5
Hebron	64	— 2	31.4	0.05	T.
Holdrege *[1]	58	— 4	30.8	T.	T.
Hooper *[1]	58	— 8	27.4	0.10	
Imperial	66	— 5	32.4	0.07	0.5
Johnstown				0.00	
Kearney				T.	T.
Kennedy	67	—10	30.4	0.15	1.5
Kimball	65	— 7	33.1	T.	T.
Kirkwood *[1]	63	— 8	25.7	T.	
Lexington	65	— 8	31.0	T.	T.
Lincoln *d*	60	— 7	30.6	0.15	T.
Lodgepole	67	—10	30.9	T.	
Loup				T.	T.
Lynch	68	—17	28.6	T.	T.
Lyons				0.14	T.
McCook				0.20	2.0
McCool				0.05	
Madison	62	—10	29.8	0.14	T.
Madrid *[5]	65	—10	30.6	0.02	0.2
Marquette				T.	T.
Merriman				T.	T.
Minden *a*	62	— 5	31.2	0.05	0.2
Minden *b*				0.05	
Monroe				0.03	T.
Nebraska City *b*				0.15	
Nemaha *[1]	58	— 6	29.4	0.26	
Nesbit	60	— 9	27.5	T.	T.
Norfolk	64	—13	27.2	0.14	T.
North Loup	60	— 6	29.5	0.02	0.2
Oakdale	64	—12	27.7	0.13	0.3
Odell				0.47	T.
O'Neill	60	—15	27.0	T.	
Ord				0.03	
Osceola				0.10	
Ough				0.00	
Palmer *[5]	60	— 8	32.4	T.	
Palmyra				0.10	T.
Plattsmouth *b*				0.82	0.2
Pleasanthill				T.	T.
Ravenna *a*	66	— 4	30.2	0.01	0.1
Redcloud *b* *[1]	50	0	31.3	T.	T.
Republican *[1]	62	— 4	31.4	0.00	
Rulo				0.15	T.
St. Libory				0.04	T.
St. Paul	64	— 5	30.6	0.04	
Salem *[1]	58	— 4	33.4	0.20	
Santee	63	—13	28.0	T.	T.
Sargent				0.02	
Schuyler				T.	
Seneca *[1]	56	—10	30.3	T.	T.
Seward				0.40	
Smithfield				0.00	
Spragg				0.00	
Stanton *[1]	52	—13	25.4	0.24	
State Farm	60	— 5	31.6	0.12	
Strang				0.00	
Stratton				0.00	
Superior *[5]	58	— 4	30.8	T.	
Syracuse				0.35	
Tablerock				0.23	
Tecumseh *b*	58	— 5	30.4	0.25	
Tecumseh *c*				0.23	
Tekamah	62	—10	28.6	0.22	
Thedford				T.	
Turlington	57	— 5	30.4	0.28	T.
Valentine	65	—12	30.8	0.04	
Wakefield	60	—11	26.2	0.30	T.
Wallace				0.00	
Wauneta				0.00	
Weeping Water *[1]	53	— 7	25.5	0.26	T.
Westpoint	59	—10	27.7	T.	T.
Whitman				0.06	0.6
Wilber *[1]	56	— 4	30.1	0.12	
Nebraska—Cont'd.	°	°	°	*Ins.*	*Ins.*
Willard				T.	T.
Wilsonville *[1]	62	— 4	29.9	T.	T.
Wisner				0.21	T.
Wymore *[1]	49	— 8	25.6	T.	T.
York *[1]	58	— 9	29.5	0.20	
Nevada.					
Battle Mountain *[1]	43	23	33.2	T.	
Belmont				0.37	T.
Beowawe *[1]	55	15	34.9	0.00	
Candelaria	71	12	42.4	T.	
Carlin *[1]	53	6	31.9	0.25	
Carson City	61	16	39.3	0.28	
Clover Valley				0.51	1.5
Cranes Ranch				0.35	
Duck Valley	53	10	35.5	1.36	T.
Elko (near)	56	5	35.8	1.55	0.5
Ely	49	10	31.6	0.20	0.5
Empire Ranch	62	7	34.8	0.20	1.5
Fenelon				0.25	2.5
Golconda *[1]	60	17	37.6	0.05	
Halleck *[1]	54	— 7	28.6	0.45	
Hawthorne	61	20	39.6	0.10	
Hot Springs *[1]	70	20	42.0	0.00	
Humboldt *[1]	58	15	36.5	0.75	
Lee				1.12	5.0
Lewers Ranch	60	18	39.5	0.96	
Los Vegas	62	25	45.4	0.00	
Lovelocks *[1]	56	20	39.3	0.20	
McGill *c*	52	9	31.5	T.	T.
Martins *d*	68	15	39.5	0.15	
Mill City *[1]	58	18	35.5	0.00	
Monitor Mill	49	12	31.8	0.17	
Palisade *[1]	56	4	32.3	1.72	4.0
Palmetto	65	11	36.8	0.45	
Reno State University	60	20	39.8	0.50	
Silverpeak	66	13	41.6	0.00	
Sodaville	65	10	40.0	T.	
Tecoma				T.	
Toano *[1]	52	17	33.6	0.40	4.0
Tuscarora	47	10	32.2	0.84	1.2
Tybo	48	18	34.9	0.70	
Verdi *[1]	68	20	40.2	0.74	T.
Wadsworth *[1]	68	8	38.0	0.35	
Wells *[1]	53	0	32.0	0.57	1.0
New Hampshire.					
Alstead				5.02	34.8
Berlin Mills	52	—20	15.8	4.91	39.5
Bethlehem	51	— 7	17.6	4.98	40.0
Brookline *[1]	55	—18	24.0	4.19	21.0
Claremont	50	—15	21.3	4.03	38.0
Concord	52	—16	20.9	4.88	27.6
Durham	55	— 4	23.4	5.62	23.5
Grafton	51	—25	17.1	4.62	38.0
Hanover	49	—16	17.4	3.35	30.5
Keene	49	—17	21.8	4.35	28.2
Littleton	60	— 7	18.5	4.63	38.5
Nashua	53	—16	23.4	4.46	20.8
Newton	53	—11	24.2	5.70	14.0
North Conway	54	— 9	18.8	5.75	35.0
Peterboro	46	—20	21.0	4.68	25.8
Plymouth	45	—15	17.0	4.86	39.8
Sanbornton	46	—12	19.6	5.25	40.0
Stratford	46	—10	17.0	3.03	24.5
Warner				5.79	33.5
New Jersey.					
Asbury Park	61	10	35.0	4.68	0.8
Bayonne	55	12	32.8	4.45	0.5
Belvidere	51	0	28.2	3.32	6.0
Bergen Point	55	14	33.0	5.33	0.5
Beverly	61	9	33.0	3.97	1.7
Billingsport *[1]	57	11	32.4	4.02	2.5
Boonton	53	0	29.4	3.32	4.7
Bridgeton	64	8	35.6	3.45	0.5
Camden	56	11	32.6	4.00	2.3
Cape May C. H.	61	9	35.8	3.38	T.
Charlotteburg	59	— 5	29.4	4.29	5.5
Chester	54	— 2	28.6	2.48	6.0
Clayton	61	7	33.8	3.59	0.1
College Farm	56	7	32.2	4.35	1.0
Deckertown	54	0	28.8	2.97	8.0
Dover	55	0	28.9	4.23	6.7
Egg Harbor City	60	5	33.2	3.12	2.0
Elizabeth	58	10	32.2	4.86	2.0
Englewood	52	6	30.1	4.60	1.5
Flemington	55	2	30.2	4.13	5.0
Freehold	58	9	32.4	4.33	
Friesburg	61	10	35.4	3.81	0.8
Hammonton				2.82	0.5
Hanover	52	5	30.6	4.54	8.0
Hightstown	57	9	31.8	3.51	0.1
Imlaystown	61	8	34.2	3.30	1.9
Lambertville	56	6	31.0	3.88	1.3
Lebanon				3.71	3.5
Moorestown	58	10	32.8	4.08	2.1
Mount Pleasant				2.48	1.4
Newark	54	8	30.3	4.28	2.0

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 Jersey—Cont'd.	°	°	°	*Ins.*	*Ins.*
New Brunswick	57	8	32.4	4.63	1.0
Newton				3.50	8.5
Ocean City	66	9	33.6	2.62	T.
Oceanic	61	9	32.9	5.50	0.6
Paterson	57	10	33.0	4.85	5.5
Perth Amboy	62	9	32.6	4.23	
Plainfield	54	7	30.8	4.25	1.0
Rancocas				3.75	2.3
Rivervale	56	2	30.6	5.32	8.0
Roseland	55	3	29.4	4.72	6.0
Salem	61	12	34.8	3.39	
Somerville	56	4	31.6	4.23	0.8
South Orange	54	8	30.4	4.26	2.0
Staffordville				3.95	0.3
Toms River	62	0	32.8	4.44	1.0
Trenton	57	12	34.6	4.90	0.2
Tuckerton	63	5	34.4	2.57	3.0
Vineland	61	8	35.2	2.58	1.5
Woodbine	60	8	35.7	2.80	1.5
New Mexico.					
Albert	61	14	40.6	0.84	2.0
Albuquerque	59	18	39.0	0.70	
Alma	65	15	40.6	0.29	
Aztec	55	10	34.7	0.12	
Bellranch				0.65	0.5
Bernalillo	64	14	39.9	0.55	
Bluewater	56	5	32.2	0.15	1.5
Cambray				0.00	
Deming				0.56	
East Lasvegas	60	5	35.2	0.19	1.6
Engle	65	15	42.0	0.23	
Espanola	58	5	34.4	0.10	
Folsom	58	7	32.8	0.07	1.0
Fort Bayard	68	19	43.3	0.15	
Fort Union	68	8	37.1	0.60	4.0
Gage				0.16	
Gallinas Spring	62	10	38.4	0.52	3.0
Hillsboro	69	18	42.4	0.34	1.0
Las Vegas Hotsprings	64	10	36.4		
Lordsburg				0.24	
Los Lunas	64	11	41.2	1.25	
Lower Penasco	70	20	44.0	0.90	0.5
Lyons Ranch	67	22	44.2	0.41	
Messilla Park	71	17	44.6	0.33	
Raton	63	8	31.2	0.15	
Roswell	70	20	42.9	0.96	T.
San Marcial	67	16	43.2	0.24	
Socorro	61	18	39.8	1.35	
Strauss				0.30	
Whiteoaks	58	16	37.2	1.05	9.0
New York.					
Adams				3.13	
Addison	51	5	28.8	1.92	4.0
Akron				1.98	
Alfred	48	— 5	24.8	2.49	5.7
Angelica	50	— 8	26.6	2.61	8.0
Appleton	46	2	27.2	2.58	13.4
Arcade	48	— 4	24.1	4.00	11.4
Atlanta	48	— 4	26.0	2.64	6.7
Auburn	50	1	26.2	2.98	12.0
Avon	51	— 6	26.9	2.74	6.5
Axton	48	—15	16.6	2.93	
Baldwinsville	48	4	25.2	3.63	23.5
Bedford *a*	62	5	30.6	3.30	4.9
Bedford *b*				2.64	
Big Sandy *[10]	40	2	27.4		
Bolivar	48	—15	24.6	3.42	18.0
Bouckville	47	— 1	21.2	3.82	12.0
Boyds Corners				4.18	8.5
Brentwood	58	0	32.0	5.15	2.5
Brockport	48	— 2	27.2	4.00	11.5
Caldwell	45	— 6	21.2	3.90	29.0
Canajoharie	45	4	23.6	2.47	6.0
Canton	42	— 9	18.6	3.49	12.0
Carmel	56	5	29.0	4.06	7.5
Carvers Falls	43	— 9	20.4	4.36	22.0
Catskill	50	1	27.2	2.74	9.0
Cedarhill	52	3	29.4	2.01	6.8
Charlotte *[10]	50	4	30.8		
Chenango Forks				3.70	
Cooperstown	45	1	23.5	3.08	9.5
Cortland	49	0	25.8	3.28	7.6
Cutchogue	56	11	31.4	4.98	6.2
Dekalb Junction				3.29	
Easton				4.72	
Elba	47	— 5	26.9	3.85	9.0
Fayetteville				2.86	
Fleming	52	3	26.2	1.23	4.0
Franklinville	45	—14	24.6	3.37	9.9
Fulton				2.31	
Garrettsville	52	— 2	22.5		
Glens Falls	44	0	22.0	4.25	29.2
Gloversville	45	0	19.9	4.87	19.8
Greenwich	43	— 2	23.8	3.99	19.0
Haskinville				1.48	
Hemlock [k]	50	— 1	24.0		
New York—Cont'd.	°	°	°	*Ins.*	*Ins.*
Honeymead Brook	55	1	25.1	2.89	12.1
Humphrey	53	— 4	26.0	3.70	21.7
Indian Lake	49	—11	19.4	3.22	20.6
Ithaca	53	2	27.2	2.39	11.8
Jamestown	47	— 2	28.8	6.56	39.0
Jay	49	— 7	19.4	2.39	13.0
Keene Valley	52	— 7	20.1	2.62	15.5
King Station				5.15	
Liberty	54	2	23.8	3.51	10.5
Littlefalls	44	0	21.7	2.82	12.5
Lockport	46	3	27.8	1.80	15.0
Lowville	47	—11	20.6	3.88	29.0
Lyndonville				1.27	
Lyons	50	5	29.1	3.48	15.0
Mayle				2.82	
Middletown	53	8	27.8	2.51	13.5
Mohonk Lake[1]	60*	5	26.4	2.61	12.8
Mount Morris	50	— 8	27.6	1.68	0.6
Newark Valley				2.23	
New Lisbon	44	— 3	22.5	2.04	6.8
North Germantown	50	4	27.2		
North Hammond	50	0	21.0	2.18	14.7
North Lake	51	—17	15.8	4.76	33.0
Number Four	50	— 8	18.0	5.10	40.8
Nunda	51	— 6	27.0	3.17	10.5
Ogdensburg	42	— 6	20.0	2.93	9.0
Oneonta				2.63	
Oxford	45	0	24.4	3.19	11.3
Palermo	44	0	22.6	2.92	15.2
Penn Yan	52	5	28.0	1.99	4.3
Perry City	50	0	25.4	2.52	6.4
Phœnix				4.67	
Pine City				2.40	
Plattsburg Barracks	48	— 7	19.2	3.46	14.0
Port Byron	47	5	26.2	4.50	26.0
Port Jervis	54	— 1	27.8	2.32	9.5
Poughkeepsie	54	— 1	27.2	1.88	11.0
Primrose	55	7	30.3	3.96	6.5
Richmondville	48	1	23.6	3.21	9.5
Ridgeway	46	— 2	26.0	3.30	11.9
Rome	42	3	20.4	3.29	
Romulus	53	3	27.3	2.83	4.2
Rose				3.25	
St. Johnsville	42	2	23.6	3.66	13.8
Salisbury Mills				2.84	
Saranac Lake	49	— 6	14.9	2.89	25.2
Saratoga Springs	43	0	22.2	3.82	24.5
Schenectady	48	3	24.6	5.79	9.6
Schenevus				2.61	
Setauket	58	13	32.3	4.92	2.7
Sherwood				2.83	
Shortsville	51	1	26.8	2.75	
Skaneateles				3.56	
South Canisteo	51	0	26.2	2.40	7.1
Southeast Reservoir				3.73	6.0
South Kortright	58	0	24.9	1.91	
Straits Corners	49	— 6	24.9	2.54	8.2
Ticonderoga	48	— 5	22.1	4.70	40.0
Volusia	47	— 5	26.8		
Wappingers Falls	53	2	28.1	2.80	17.0
Warwick				2.99	
Watertown	44	— 8	21.8	4.59	37.8
Waverly	55	0	27.9	2.00	6.8
Wedgwood	51	— 1	25.6	2.56	6.5
West Berne	52	— 4	26.6	2.61	14.5
West Chazy	45	—13	16.7		
Westfield *a*	48	— 2	29.8	3.60	14.5
Westfield *b*	47	— 3	27.6	3.73	
Westfield *c*	49	2	30.2		
Williamson				3.38	
Windham	56	—10	24.6	1.74	6.8
North Carolina.					
Abshers	69	4	37.4	3.35	
Asheville				2.26	T.
Biltmore	65	3	36.1	2.41	T.
Bryson City				2.85	
Chapelhill	69	9	40.6	3.23	1.8
Cherryville	75	6	43.0	3.31	
Currituck				3.62	3.1
Edenton	66	15	42.5	5.58	1.0
Fairbluff				3.20	6.5
Fayetteville	71	12	44.0	1.86	1.0
Goldsboro	67	12	41.8	2.51	
Greensboro	66	9	38.7	3.16	T.
Henderson	67	9	40.6	3.35	1.5
Hendersonville	65	4	36.6	3.94	T.
Henrietta	73	7	41.0	3.09	
Highlands	56	— 2	31.9	5.82	T.
Horse Cove	61	3	38.4	4.28	T.
Kinston	68	10	43.0	5.00	2.0
Linville	54	— 3	30.3	2.63	2.0
Littleton	69	8	39.0	3.01	2.0
Louisburg	66	11	40.8	2.77	3.5
Lumberton	65	17	42.8	2.85	6.0
Mana				2.13	
Marion	70	4	38.8	3.59	T.
North Carolina—Cont'd.	°	°	°	*Ins.*	*Ins.*
Marshall	65	— 3	38.8	1.26	1.1
Mocksville	68	8	40.4	3.40	T.
Moncure	65	10	42.0	1.75	3.0
Monroe	68	5	40.2	1.84	3.0
Mountairy	62	6	37.0	2.35	
Mount Pleasant	67	8	40.8	2.11	0.8
Murphy				3.55	1.0
Newbern	72	11	45.6	5.84	T.
Oakridge		8		3.17	T.
Patterson *[1]	64	5	34.1	2.70	
Pittsboro	67	4	40.0	2.38	3.0
Rockingham	66	10	42.4	1.94	1.0
Roxboro	65	4	39.0	2.47	0.5
Salem	66	7	37.4	4.18	
Salisbury	67	9	40.4	3.22	0.8
Saxon	68	8	38.6	3.39	
Selma	67	11	41.2	3.30	5.0
Settle	60	4	35.2	2.82	
Sloan	69	14	45.6	6.21	T.
Soapstone Mount	62	4	37.4	2.58	0.5
Southern Pines *b*	68	10	42.3	1.68	3.0
Southport	68	15	48.0	5.66	T.
Springhope *[1]	61	12	39.2	2.89	2.0
Tarboro	71	8	42.0	4.41	3.5
Waynesville	61	0	35.2	2.38	T.
Weldon *a*	65	8	38.6	2.69	2.0
Weldon *b*				2.54	1.8
North Dakota.					
Amenia	54	—25	14.5	0.08	0.8
Ashley	53	—26	16.5	0.35	1.0
Berlin	63	—28	14.4	0.22	2.0
Buxton		—24		0.04	0.8
Churchs Ferry	52	—24	11.6	0.15	1.5
Coalharbor	53	—23	18.0	T.	T.
Devils Lake	52	—23	13.2	0.05	0.5
Dickinson	56	—16	25.4	0.21	1.5
Donnybrook				T.	T.
Dunseith	45	—28	10.8	0.20	2.0
Ellendale	63	—21	19.6	T.	T.
Falconer	52	—22	18.6	0.15	2.2
Fargo	52	—25	14.1	0.45	4.5
Forman	53	—23	16.2	0.35	3.5
Fort Yates		—20		0.11	1.0
Fullerton[1]	60*	—24	16.1	0.21	2.0
Gallatin	48	—28	11.3	0.43	4.3
Glenullin	55	—20	19.0	0.52	2.7
Grafton	49	—24	9.4	0.07	0.7
Hamilton	50	—26	9.8	0.78	8.5
Hannaford	48	—28	15.0	0.30	3.0
Jamestown	54	—24	16.8		
Larimore	48	—25	12.0	0.15	1.5
McKinney	53	—27	14.0	0.20	2.0
Mayville	53	—20	17.2	0.10	1.0
Medora	70	—18	25.0	0.10	1.0
Melville	48	—23	16.7	0.27	2.5
Milton	40	—28	9.0	0.20	2.0
Minnewaukon	50	—26	12.2	0.07	1.0
Minot	52	—22	17.4	0.05	0.5
Minto	53	—30	10.8		
Napoleon	50	—24	16.8	0.21	1.2
New England	47	—18	20.0	0.23	2.3
Oakdale	59	—22	24.5	T.	T.
Pembina	47	—30	9.1	0.90	9.0
Portal	46	—25	14.4	0.25	2.5
Power	55	—30	16.0	0.22	3.2
St. John	52	—24	13.7	0.20	2.0
Sheyenne	48	—25	13.2		
Steele	47	—25	16.1	0.32	3.2
Towner	51	—27	12.0	0.50	5.0
University	50	—24	13.3	0.11	1.1
Wahpeton	51	—24	17.3	0.40	4.0
Willow City	48	—25	12.6	T.	T.
Woodbridge		—30		0.08	0.8
Ohio.					
Akron	54	— 6	29.8	1.95	1.9
Annapolis	56	— 6	31.3	2.26	2.0
Ashland	53	— 6	28.2	1.63	3.3
Ashtabula	51	0	29.3	3.30	10.5
Atwater				2.50	4.0
Bangorville	56	—11	28.4	2.53	3.8
Bellefontaine	55	— 6	29.6	1.60	
Bement				1.19	2.6
Benton Ridge	55	— 4	29.9	1.67	4.8
Bethany	61	— 2	33.0	3.41	
Bigprairie	56	— 3	29.6	3.28	0.9
Binola				2.54	4.0
Bladensburg	55	— 8	29.6	2.65	3.8
Bloomingburg	60	— 3	33.4	3.17	
Bowling Green	56	— 3	29.4	0.97	3.1
Bucyrus				0.60	2.0
Cambridge	57	— 9	31.4	2.11	2.0
Camp Dennison	59	— 1	34.1	2.53	0.3
Canal Dover	56	— 5	31.0	2.34	2.0
Canton	54	— 4	30.8	2.43	5.0
Cardington	55	— 4	30.4	2.36	2.0
Cedarville				3.55	1.0

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.
Ohio—Cont'd.	°	°	°	*Ins.*	*Ins.*
Celina	57	— 6	30.6	1.58	0.5
Circleville	60	— 2	32.0	1.93	0.7
Clarksville	60	— 2	33.6	3.04	1.0
Cleveland *a*	54	— 1	30.9	2.72	4.0
Cleveland *b*	54	— 1	30.0	2.19	1.2
Coalton	61	— 1	34.2	2.72	1.0
Colebrook	51	— 7	27.5	2.39	7.0
Dayton *a*	.....	.....	.....	3.00	T.
Dayton *b*	61	— 2	33.8	3.16	1.3
Defiance	56	— 4	28.4	1.20	0.5
Delaware	58	— 2	31.6	2.59	1.9
Demos	55	— 3	29.9	3.08	1.0
Dupont	57	— 6	29.8	0.35	1.0
Elyria	55	— 1	29.7	2.15	1.4
Findlay	57	— 3	30.5	1.70	5.0
Frankfort	60	— 6	32.7	2.94	0.5
Garrettsville	54	—11	29.4	2.67	5.0
Granville	58	— 7	30.9	2.85	4.0
Gratiot	56	— 8	31.0	2.79	5.8
Greenfield	58	2	34.6	2.70	1.0
Greenhill	56	—18	29.0	1.80	3.1
Greenspring	54	— 2	31.3	1.70	2.4
Greenville	56	— 2	31.2	3.14	0.5
Hanging Rock	60	2	35.5	3.20	1.5
Hillhouse	52	— 6	27.9	3.11	15.0
Hillsboro	54	— 5	31.3	2.60	1.5
Hiram	56	— 8	27.8	2.74	4.5
Hudson	58	—12	28.7	2.83	8.0
Jacksonboro	63	1	32.4	2.54	T.
Kenton	58	— 4	32.0	3.11	6.0
Killbuck	54	— 5	30.6	1.84	1.5
Lancaster	59	— 4	33.0	2.29	3.5
Logan	65	— 8	36.0	3.12	3.0
Lordstown	50	— 9	27.4	2.03	4.5
Lowell	61	— 2	34.3	4.81	1.0
McArthur	60	— 3	32.9	2.31	1.0
McConnelsville	62	— 4	34.3	2.73	T.
Mansfield	.....	.....	.....	2.89	4.3
Marietta	60	3	36.8	2.88	0.9
Marion	56	— 3	32.1	3.35	1.0
Medina	55	— 8	29.7	2.22	3.0
Milfordton	52	—11	27.7	2.24	6.0
Milligan	60	— 5	32.7	2.11	3.0
Millport	56	—20	28.9	2.23	4.8
Napoleon	56	— 8	26.5	0.65	2.0
Neapolis	.....	.....	.....	1.68	1.5
New Alexandria	56	— 3	31.8	2.02	T.
New Berlin	53	— 8	29.3	1.54	1.5
New Bremen	56	— 6	31.2	1.12	.....
New Holland	58	— 2	32.4	3.13	2.0
New Paris	58	— 4	31.8	2.43	T.
New Richmond	62	— 1	34.7	2.37	1.5
New Waterford	55	— 5	30.6	2.24	4.8
North Lewisburg	53	— 4	29.1	2.97	2.0
North Royalton	53	— 6	29.2	2.80	3.5
Norwalk	55	— 3	31.1	2.18	1.0
Oberlin	55	— 3	30.7	2.20	.....
Ohio State University	58	— 1	32.6	2.78	0.8
Orangeville	50	— 8	28.4	2.22	5.0
Ottawa	57	— 4	30.6	1.42	1.5
Pataskala	55	— 8	30.6	2.92	5.6
Philo	58	— 6	30.6	2.03	2.7
Plattsburg	57	— 5	31.2	2.91	T.
Pomeroy	60	2	35.7	1.83	0.5
Portsmouth *a*	.....	.....	.....	2.90	1.0
Portsmouth *b*	65	2	36.2	2.89	1.2
Richwood	57	— 4	30.0	2.16	1.2
Ridgeville Corners	55	— 5	29.6	0.91	1.5
Ripley	59	— 5	33.7	2.41	1.8
Rittman	55	— 2	31.5	2.16	1.0
Rockyridge	54	— 3	29.8	1.61	2.2
Rosewood	55	— 4	31.4	2.62	T.
Shenandoah	54	— 7	29.6	2.08	1.4
Sidney	56	— 4	30.6	2.94	2.6
Sinking Spring	64	— 3	32.8	2.95	5.0
Somerset	.....	.....	.....	2.26	0.5
Springboro	.....	.....	.....	3.21	.....
Strongsville	.....	.....	.....	3.02	2.0
Thurman	67	— 3	36.0	1.81	1.0
Tiffin	53	— 1	31.0	2.19	3.5
Upper Sandusky	55	— 3	30.2	2.69	2.0
Urbana	54	— 2	31.0	3.14	1.6
Vanceburg	61	0	33.7	2.90	2.5
Vermillion	55	— 3	30.0	2.11	2.0
Vickery	54	— 2	29.9	1.74	0.8
Walnut	.....	.....	.....	2.00	1.4
Warren	59	— 6	30.2	2.52	9.5
Warsaw	59	—11	31.0	2.13	1.8
Wauseon	56	— 4	28.6	1.50	3.1
Waverly	61	— 2	33.8	2.90	0.9
Waynesville	59	— 3	32.8	3.10	1.5
Wellington	54	— 2	30.0	2.29	3.0
Westerville	57[e]	0[e]	32.5[e]	2.63	T.
Willoughby	.....	.....	.....	2.81	3.5
Wooster	54	— 5	30.2	2.78	4.0
Youngstown	.....	.....	.....	1.97	1.8
Ohio—Cont'd.	°	°	°	*Ins.*	*Ins.*
Zanesville	.....	.....	.....	2.05	3.0
Oklahoma.					
Arapaho	66	9	40.8	0.77	T.
Beaver	66	10	38.9	0.48	0.5
Burnett	71	7	41.0	0.63	1.0
Edmond	61[i]	13	40.4[e]	0.80	T.
Fort Reno	66	9	39.6	0.35	T.
Fort Sill	82	10	42.9	0.27	0.2
Guthrie	63	12	41.0	0.76	1.0
Hennessey	64	8	40.8	1.00	2.0
Hopeton	70	8	39.3	0.32	0.5
Jefferson	68	7	38.2	0.28	
Kingfisher	67	11	41.8	0.53	T.
Mangum	74	12	43.4	0.50	T.
Newkirk	61	10	38.2	0.53	T.
Norman	66	12	41.4	0.50	0.5
Pawhuska	68	11	41.9	0.53	1.0
Perry	67	10	42.0	0.26	0.5
Prudence	70	9[c]	41.8	0.69	1.2
Sac and Fox Agency	68	9	40.6	0.75	T.
Stillwater	65	11	41.8	0.23	0.1
Waukomis	66	14	41.2	0.60	T.
Winnview	63[c]	10[c]	40.2[c]	0.78	0.5
Woodward	70	5	39.6	0.54	0.4
Oregon.					
Albany *a* *[1]	60	26	43.0	4.73	
Albany *b*	.....	.....	.....	4.00	
Alpha	60	25	44.2	12.71	
Arlington	64	32	50.2	1.02	
Ashland *b*	62	25	43.4	2.57	
Aurora *[1]	62	28	44.2	3.38	
Aurora (near)	61	25	42.5	3.86	
Bandon	61	30	49.2	8.73	
Bay City	60	28	45.1	12.00	
Blalock	55	23	39.6	1.55	
Brownsville *[1]	65	28	44.6	5.32	
Bullrun	52	30	40.6	8.89	
Burns	48	15	31.6	T.	
Burns (near)	61	13	37.8	1.27	
Cascade Locks	55	30	41.8	11.06	
Comstock *[1]	59	30	44.7	7.12	
Coquille	.....	.....	.....	6.71	
Corvallis	61	24	42.3	4.74	
Dayville	65	11	39.2	1.34	0.2
Ella	.....	.....	.....	0.92	
Eugene	65	27	44.0	5.38	
Fairview	58	30	47.1	9.74	
Falls City	56	26	41.1	9.66	
Forestgrove	60	24	40.6	5.74	
Gardiner	60	32	47.1	11.76	
Glenora	54	26	41.6	17.75	
Government Camp	53	9	35.4	10.25	22.0
Grants Pass	64	25	43.2	4.30	
Happy Valley	60	10	35.0	1.67	1.5
Heppner	63[e]	13[e]	40.0[e]	1.37	
Jacksonville	56	26	41.8	2.42	
Joseph	52	2	29.0	0.92	7.0
Junction City *[1]	64	28	44.8	4.92	
Kerby	63	20	41.9	7.74	
Klamath Falls [f]	78	21	39.4	.....	
Lafayette *[1]	56	28	42.0	3.66	
Lagrande	52	12	34.9	.....	
Lakeview	53	17	36.4	1.44	
Lonerock	67	2	34.4	1.95	1.2
McMinnville	58	26	42.4	5.80	
Merlin *[1]	62	28	44.2	3.44	
Monmouth *a* *[1]	61	29	43.0	4.81	
Monmouth *b*	58	24	42.8	4.28	
Monroe	59	23	43.6	5.76	
Mount Angel	61	26	43.0	5.21	
Nehalem	.....	.....	.....	16.63	
Newberg	63	27	42.7	5.20	T.
Newbridge	50	7	31.6	0.79	1.0
Newport	62	30	47.4	12.31	
Pendleton	61	18	41.0	1.48	
Placer	.....	.....	.....	4.97	
Prineville	65	12	36.2	0.84	2.0
Riddles *[1]	62	30	43.1	3.92	
Riverside	53	.....	.....	0.87	
Salem	60	23	43.4	4.15	
Sheridan *[1]	55	25	39.9	5.15	
Silverlake	69	9	35.6	0.80	T
Silverton *[1]	64	26	43.2	4.59	T.
Siskiyou *[1]	48	28	38.0	1.95	
Sparta	48	10	30.5	1.95	12.0
Springfield *[1]	59	29	42.9	3.67	1.0
Stafford	61	27	42.6	4.95	
The Dalles	55	20	39.2	1.90	
Toledo	68	27	46.2	9.85	
Umatilla	.....	.....	.....	0.83	
Vale	46	11	30.6	0.85	
Vernonia	60	23	43.2	6.77	T.
Westfork *[1]	52	30	40.4	3.44	
Weston	61	15	40.2	1.55	T.
Williams	62	23	42.2	3.63	
Pennsylvania.	°	°	°	*Ins.*	*Ins.*
Altoona	53	0	28.6	2.21	.....
Aqueduct	61	4	33.4	2.71	3.3
Athens	54	4	27.8	1.59	4.0
Beaver Dam	.....	.....	.....	1.90	T.
Brookville	.....	.....	.....	1.84	5.8
Browers Lock	.....	.....	.....	3.81	.....
Butler	50	— 8	29.0	3.21	9.7
Carlisle	.....	.....	.....	2.34	2.0
Cassandra	50	— 2	29.0	2.96	8.5
Cedarrun	.....	.....	.....	3.75	18.0
Centerhall	49	4	29.9	1.95	6.5
Chambersburg	59	5	31.1	1.95	.....
Coatesville	63	0	32.2	3.28	3.5
Confluence	59	— 1	29.6	2.44	1.9
Coopersburg	61	4	32.6	3.31	4.5
Davis Island Dam	.....	.....	.....	2.38	T.
Derry Station	53	— 2	30.6	3.09	6.0
Driftwood	.....	.....	.....	2.78	.....
Duncannon	.....	.....	.....	2.24	2.5
Dushore	58	0	37.4	1.97	2.3
Dyberry	47	— 3	24.2	2.76	13.7
East Bloomsburg	.....	.....	.....	1.67	8.0
East Mauch Chunk	56	1	28.4	3.37	7.0
Easton	53	3	30.0	3.72	6 0
Ellwood Junction	.....	.....	.....	2.01	2.0
Emporium	48	— 4	27.0	3.16	9.7
Ephrata	55	5	31.9	2.31	2.2
Everett	54	2	30.0	2.10	.....
Farrandsville	.....	.....	.....	1.95	5.0
Franklin	55	— 7	29.6	1.94	3.0
Freeport	.....	.....	.....	2.66	1.5
Girardville	.....	.....	.....	2.65	5.5
Grampian	46	— 4	27.0	3.21	7.0
Greensboro	54	.....	.....	2.21	2.3
Hamburg	.....	.....	.....	3.50	5.5
Hamilton	52	1	25.4	3.03	12.0
Hawley	.....	— 5	.....	2.46	10.6
Hawthorn	51	— 2	29.4	3.35	3.7
Hews Island Dam	.....	.....	.....	1.84	.....
Huntingdon *a*	55	5	31.0	2 04	1.5
Huntingdon *b*	.....	.....	.....	1.07	2.0
Irwin	.....	.....	.....	2.40	0.2
Johnstown	53	2	31.6	3.38	6.9
Karthaus	.....	.....	.....	1.94	3.0
Keating	.....	.....	.....	2.01	6.0
Kennett Square	54	3	32.6	4.27	2.0
Lawrenceville	51	0	25.2	3.48	3.2
Lebanon	55	7	30.8	2.81	4.8
Leroy	53	2	26.8	1.94	5 8
Lewisburg	52	8	30.2	2.33	6.2
Lockhaven *a*	55	5	31 2	2.49	9.0
Lockhaven *b*	.....	.....	.....	2.40	.....
Lock No. 4	.....	.....	.....	2.25	0.2
Lycippus	55	— 3	30 4	2.49	6.1
Mifflin	.....	.....	.....	0.70	1.0
Nisbet	.....	.....	.....	1.10	5.2
Oil City	.....	.....	.....	2.77	6.7
Parker	.....	.....	.....	2.67	4.0
Philadelphia	58	13	35.5	3.35	1.4
Quakertown	54	— 4	30.0	3.68	6.5
Reading[2]	.....	.....	29.2	2.62	.....
Renovo *a*	.....	.....	.....	2.61	1.0
Renovo *b*	50	3	29.8	2.62	5.9
Saegerstown	50	— 6	28.2	2.71	6.9
St. Marys	46	— 4	26.0	2.29	11.7
Scranton	54	6	29.6	2.13	10.0
Selinsgrove *a*	52	9	30.5	2.60	4.5
Shawmont	.....	.....	.....	2.92	2.5
Sinnamahoning	.....	.....	.....	0.94	2.6
Smethport	49	— 8	26.0	2.52	10.0
Somerset	54	— 4	27.0	3.44	8.2
South Eaton	52	7	29.7	2.10	5.5
State College	48	1	29.4	1.65	4.3
Sunbury	.....	.....	.....	0.60	4.0
Swarthmore	57[c]	12[c]	32.7[c]	3.22	3.0
Towanda	54	6	28.8	1.36	3.0
Troutrun	.....	.....	.....	4.58	7.5
Uniontown	53	3	33.8	2.32	2.5
Warren	49	— 7	27.4	4.37	13.2
Wellsboro	50	2	28 1	3.04	8.0
Westchester	57	6	32.2	3.76	3.8
West Newton	.....	.....	.....	2.54	3.0
Westtown	56	3	30.9	2.43	2.0
Wilkesbarre	55	8	30.8	1.98	5.0
Williamsport	52	6	29.2	2.31	5.6
York	57	7	30.6	2.12	2.0
Rhode Island.					
Bristol	56	11	31.1	3.81	7.2
Kingston	57	2	29 0	5.14	9.0
Pawtucket	53	— 3	25.2	4.72	7.5
Providence *a*	60	11	31.2	4.20	7.5
Providence *c*	60	8	29.6	4.28	7.0
South Carolina.					
Allendale	68	15	44.7	2.20	3.0
Batesburg	69	12	44.0	2.05	0.8
Beaufort	75	23	51.0	3.06	

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

Stations	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
South Carolina—Cont'd.	°	°	°	*Ins.*	*Ins.*
Blackville	72	13	45.7	1.73	3.3
Calhoun Falls				2.52	
Camden				1.85	3.9
Cheraw *a*	66	14	40.5	1.28	2.5
Cheraw *b*				1.68	5.5
Clemson College	68	8	41.1	2.80	
Conway				3.32	6.5
Darlington				1.82	2.5
Edisto				2.18	3.1
Effingham				1.85	4.0
Florence	65	13	44.0	1.91	0.3
Gaffney				3.46	0.9
Georgetown	70	18	45.8	5.65	
Gillisonville	69	16	47.3	2.24	T.
Greenville	68	8	39.4	2.88	
Greenwood	67	10	41.0	2.16	
Holland	66	6	39.2	2.70	
Kingstree *a*	67	14	43.8	2.62	5.2
Kingstree *b*				2.62	5.7
Liberty	68	3	39.0	3.25	
Little Mountain	69	11	44.3	1.84	0.5
Longshore	71	9	43.2	2.02	T.
Pinopolis *1	66	20	47.0	2.69	0.2
St. Georges	68	12	44.6	2.02	4.2
St. Matthews	74	11	44.9	1.97	4.6
St. Stephens				2.70	5.0
Santuck	69	8	41.8	1.94	T.
Shaws Fork				1.69	T.
Smiths Mills				3.42	6.0
Societyhill	65	15	44.0	1.63	3.0
Spartanburg	71	10	39.6	2.74	
Statesburg	71	14	46.8	1.56	1.3
Summerville	72	17	47.6	3.31	1.5
Temperance	71	13	45.4	2.27	4.6
Trenton	66	15	47.2	2.00	1.0
Trial	70	11	43.4	2.23	
Walhalla	68	5	39.6	2.86	
Winnsboro	74	11	43.2	1.61	0.1
Winthrop College	68	9	43.1	1.69	0.3
Yemassee	69	18	47.5	2.89	3.0
Yorkville	71	12	44.9	2.29	0.2
South Dakota.					
Aberdeen	58	—20	18.8	T.	T.
Academy	65	—12	27.4	0.01	T.
Alexandria	66	—19	24.9	T.	T.
Armour	62	—18	24.2	0.06	T.
Ashcroft	62	—22	28.7	0.07	0.7
Bowdle	64	—24	21.2	T.	T.
Brookings	60	—20	18.2	0.02	0.2
Canton	59	—18	23.5	0.11	0.8
Centerville				0.15	1.9
Chamberlain	68	—15	27.4	T.	0.0
Clark	60	—22	21.8	0.14	1.4
Desmet	58	—21	19.9	0.44	3.0
Doland	58	—25	19.6	0.49	4.2
Elkpoint	64	—12	27.5	T.	T.
Farmingdale				0.11	2.0
Faulkton	63	—19	21.7	0.16	1.0
Flandreau	60	—20	21.9	0.15	1.5
Forestburg	62	—22	21.8	0.02	0.2
Forest City	56	—16	23.4	T.	T.
Fort Meade	64	—11	32.8	0.50	4.0
Gary	55	—18	23.4	0.64	2.2
Greenwood	64	—10	28.6	0.01	T.
Hartman	60	—21	21.1	T.	T.
Highmore				T.	T.
Hotch City	66			T.	T.
Hot Springs	60			0.10	1.0
Howard	60	—25	21.0		
Interior	60	—12	28.8	0.05	0.5
Ipswich	65	—20	19.2	0.09	0.7
Kimball	63	—16	25.4	0.16	0.5
Leola	63[c]	—24[c]	18.0[c]	0.08	0.8
Leslie	64	—14	24.2		
Mellette	60	—24	19.6	T.	T.
Menno	62	—14	24.0	0.07	0.4
Millbank	63	—20	18.9	0.25	2.5
Mitchell	64	—18	23.9	0.00	
Oelricks	63	—12	31.0	0.20	2.0
Parker	60	—17	23.8	0.01	0.2
Plankinton	58	—19	22.6	0.10	0.0
Redfield	64	—22[d]	23.0	0.09	1.2
Rosebud	60	—12	22.6	0.20	2.0
St. Lawrence	67	—20	24.0	T.	T.
Shiloh	61	—20	22.7	T.	T.
Silver City				0.35	3.5
Sioux Falls	59	—15	20.0	T.	T.
Spearfish	63	— 8	33.6	0.66	7.8
Tyndall	59	—16	24.6	T.	T.
Watertown	56	—22	18.4	0.15	1.5
Waubay	55	—20	18.0	0.22	2.2
Wessington Springs		—20		0.10	1.0
Wolsey				0.10	0.5
Tennessee.					
Andersonville	68	1	36.8	3.77	0.2
Ashwood	66	8	41.0	3.03	T.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Tennessee—Cont'd.	°	°	°	*Ins.*	*Ins.*
Benton	68	3	39.4	4.37	
Bluff City				1.31	1.0
Bolivar	67	10	41.6	2.47	T.
Bristol	60	— 8	33.8	1.37	T.
Byrdstown	64	— 1	37.7	2.91	0.7
Carthage				3.01	0.2
Charleston				3.70	T.
Clarksville	67	6	39.8	4.36	0.5
Clinton				2.44	1.0
Covington	69[f]	15[f]	44.6[f]	1.69[f]	
Decatur	66	3	38.4	3.99	T.
Elizabethton	64	— 4	35.8	2.23	3.7
Elk Valley	60	0	34.4	1.65	T.
Erasmus	64	—10	35.5	3.23	0.6
Florence	66	5	39.6	2.83	T.
Franklin	68	7	39.6	2.68	T.
Grace *1	64	8	37.9	2.90	T.
Greeneville	63	— 3	36.2	2.04	0.2
Harriman	66	5	38.0	3.77	T.
Hohenwald	67	2	38.7	2.61	0.4
Iron City	68	5	39.6	4.98	
Jackson	66	10	41.4		
Johnsonville	68	2	40.2	1.83	0.1
Jonesboro *1	60	— 3	34.2	2.53	1.1
Kingston				3.81	
Lewisburg	68	7	40.2	3.36	T.
Liberty	65	1	36.4	3.60	T.
Lynnville	68	8	40.2	3.45	T.
McMinnville	66	5	40.6	3.10	T.
Maryville *5	66	5	38.9	3.60	1.2
Newport	67	1	37.4	2.10	T.
Nunnelly	67	3	40.8	2.52	
Oakhill	65	0	39.8	3.81	2.9
Palmetto	65	7	40.8	3.45	0.2
Pope	68	0	37.6	2.52	T.
Rogersville	62	— 2	35.6	3.00	0.2
Rugby	64	— 7	35.9	2.55	T.
Savannah	66	10	41.4	2.37	T.
Sewanee	61	3	38.1	4.47	1.5
Silverlake	56	— 8	32.2	1.38	0.2
Springdale	65	— 4	36.8	3.07	T.
Springfield	70	4	39.6	3.30	T.
Sylvia	64	1	39.8	3.23	0.8
Tazewell				3.32	4.5
Tellico Plains	67	6	39.6	2.97	T.
Tracy City	64	1	36.8	3.43	1.0
Tullahoma	65	4	38.7	3.55	2.0
Union City	65	9	40.0	2.00	T.
Wildersville	66	8	42.0	2.56	0.5
Yukon	66[i]	7[i]	41.9[i]	4.83	T.
Texas.					
Albany *1	68	22	46.3	0.47	
Alvin				9.13	
Anna	74	5	45.2	1.06	0.4
Anson				0.65	T.
Austin *a*	75	18	49.6	4.30	
Austin *b* *5	76	16	48.4		
Ballinger	73	15	45.6	0.57	0.2
Beaumont	75	27	51.4	5.00	
Beeville	86	26	57.2	2.25	
Big Springs				0.56	T.
Blanco	78[c]	20[c]	52.2[c]	3.85	
Boerne *1	71	20	48.9	5.31	
Brazoria	76	26	54.4	5.23	
Brenham	75	21	51.7	4.90	
Brighton	75	30	57.0	2.63	
Brownwood	86	17	51.6	2.20	
Burnet *1	70	7	48.2	2.25	
Camp Eagle Pass	76	29	53.4	2.08	
Coleman	80	17	50.2	0.60	
College Station		20		4.55	
Colorado				0.25	
Columbia	75	24	52.8	5.56	
Conroe	70	21	51.0	5.12	
Corsicana	73	16	48.7	3.05	T.
Cuero	75	23	53.9	4.92	
Dallas	76	13	45.4	3.46	0.5
Danevang	76	24	54.8	7.55	
Dublin	75	15	45.6	1.21	
Duval	81	18	51.4	3.84	
Emory	73	13	48.4	3.10	T.
Estelle	80	11	47.0	2.17	0.5
Forestburg				0.79	T.
Fort Brown	78			2.43	
Fort Clark	72	25	51.8	1.91	
Fort McIntosh	80	30	56.4	2.61	
Fort Ringgold	79	35	58.9	T.	
Fort Stockton				1.54	
Fredericksburg *1	73	18	47.6[c]	2.38	
Fruitland	79	11	45.2	0.47	T.
Gainesville	75	15	44.8	1.21	
Georgetown				4.91	
Grapevine	80	11	46.6	1.07	1.0
Hale Center	74	19	45.8	0.10	T.
Hallettsville	75	23	53.7	5.80	
Henrietta	68	12	45.0	0.35	T.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Texas—Cont'd	°	°	°	*Ins.*	*Ins.*
Hewitt				3.65	0.2
Hondo				4.67	
Houston		25		7.26	
Hulen		25		5.20	
Huntsville	73	19	50.6	5.19	
Jacksonville	75	16	49.2	4.79	T.
Jasper	83	21	53.4	3.00	
Kaufman	74	16	49.2		
Kent				1.84	T.
Kerrville	77	12	47.3	2.32	
Lampasas	76	16	48.6	2.58	
Langtry	71	29	52.0	1.47	
Lapara				3.85	
Laureles Ranch				2.05	
Llano *5	72	23	51.4	3.15	
Longview	74	16	47.3	3.39	T.
Luling	74	20	52.0	4.10	
Mann	80	15	48.5	3.74	T.
Marathon	72	17	44.6	0.45	
New Braunfels	73	22	52.6	4.00	
Panter	76	20	49.8	0.95	
Paris *b* *1	72	16	48.1		0.2
Point Isabel *1	78	42	63.4	0.20	
Rhineland	75	18	44.4	0.62	T.
Rockisland	75	22	52.1	5.46	
Rockport *1	68	32	56.0		
Runge	77	23	54.0	2.31	
Sabine	69	22	52.6	3.19	
Sanderson	70	22	48.8	0.78	
San Marcos	74	19	51.2	4.83	
Sherman	75	16	47.2	1.53	T.
Sugarland	76	23	53.6	7.62	
Sulphur Springs	72	14	47.0	2.25	T.
Temple *a*	74	16	48.4	3.37	
Temple *b*	72	13	46.6	2.98	
Turnersville	74	16	49.4		
Tyler	71	13	45.7	3.49	
Valentine	70			0.09	T.
Victoria				7.62	
Waco	75	19	49.0	3.00	T.
Waxahachie	75	11	46.2	3.80	T.
Weatherford	76	13	46.0	0.92	T.
Wichita Falls				0.03	
Utah.					
Alpine				0.20	1.0
Bluecreek *1	50	5	31.6	0.53	2.5
Brigham				1.12	5.5
Castledale	55	10	33.6	0.00	
Cisco	51	10	29.6	T.	T.
Corinne	58	4	34.7	0.06	T.
Deseret	54	11	32.5	0.36	0.0
Fillmore	58	5	34.3	1.25	
Fish Springs	55	16	34.6	0.05	
Fort Duchesne	45	—10	16.6	0.35	3.0
Frisco	57	16	36.2	0.11	
Giles	53	4	30.0	0.29	2.0
Grover	49	3	30.2	0.20	2.0
Heber	46	4	27.8	1.06	4.0
Huntsville				1.08	3.0
Kanab				0.10	
Kelton *1	45	12	32.6	0.20	2.0
Levan	49	8	31.9	0.87	3.0
Loa	53	1	27.8	T.	T.
Logan	49	4	30.2	0.56	
Manti	51	4	32.2	0.61	4.0
Marysvale *1	48	12	26.5	1.00	7.0
Millville				0.49	
Minersville	54	15	35.4	0.34	0.7
Moab	55	16	34.6	0.42	T.
Mount Pleasant	50	10	32.4	0.36	3.0
Ogden *a* *1	54	8	32.2	0.20	1.0
Pahreah	59	14	38.1	T.	T.
Park City	47	7	28.2	0.93	7.5
Parowan	54	10	34.0	0.51	3.4
Pinto	51	1	32.4	0.38	4.0
Promontory *1	56	10	29.4	0.15	1.5
Provo	60	16	37.0	0.45	
Richfield	52	2	28.0	0.45	3.0
St. George	66	12	40.4	0.05	
Scipio	54	0	32.6	1.04	4.0
Snowville	44	1	29.2	0.68	
Soldier Summit	46	— 4	23.8	0.50	5.0
Terrace *1	55	10	33.6	T.	T.
Thistle	60	12	33.0	0.30	1.5
Tooele	54	15	33.6	0.80	
Tropic	62	9	32.0	0.06	
Vernal	41	0	21.2	0.47	2.6
Woodruff	42	— 2	21.6		
Vermont.					
Bennington	55	1	25.4	2.88	12.0
Brattleboro	52	—10	23.3	4.64	32.5
Burlington	50	0	22.2	3.32	28.0
Chelsea	49	—11	17.6	3.50	44.0
Cornwall	47	— 6	20.3	3.60	32.0
Derby	51	—10	15.7	3.70	
Enosburg Falls	52	—12	18.2	3.30	24.0

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.
	°	°	°	Ins.	Ins.
Vermont—Cont'd.					
Hartland	48	—15	18.0	4.48	35.9
Jacksonville	45	—10	18.1	5.33	21.1
Manchester	51	1	21.8	3.61	27.2
Norwich	46	—14	17.8	4.80	38.0
St. Johnsbury	49	—12	16.4	4.07	31.5
Vernon	.....	.....	.....	4.11	26.5
Wells	50	— 3	19.8	3.49	35.5
Woodstock	44	—22	18.4	3.81	41.0
Virginia.					
Alexandria	61	9	35.9	1.95	1.3
Ashland	66	8	37.8	3.29	T.
Barboursville	65	1	34.8	4.17	T.
Bedford	59	5	33.1	4.39	
Bigstone Gap	62	— 4	35.2	2.93	1.3
Birdsnest *[1]	64	8	38.8	2.20	3.0
Blacksburg	68	2	35.7	2.04	T.
Bon Air	65	9	38.8	2.54	T.
Buckingham	68	5	36.0	3.62	T.
Burkes Garden	53	— 5	31.3	2.04	3.0
Callaville	63	7	39.0	3.16	0.5
Charlottesville	63	7	36.6	4.85	T.
Christiansburg	.....	.....	.....	2.09	0.5
Cliftonforge	55	7	31.8	1.78	
Columbia	64	10	37.2	3.00	
Dale Enterprise	64	1	34.0	3.20	T.
Doswell	62	10	39.0	.....	.....
Dwale	62	2	35.0	4.64	1.0
Fredericksburg	63	10	35.6	3.16	1.0
Grahams Forge [f]	57	— 2	31.6	1.36	T.
Hampton	59	16	41.5	2.11	0.5
Hot Springs	55	— 2	31.6	2.31	T.
Lexington	62	7	34.9	2.92	
Manassas	61	6	35.0	2.24	T.
Marion	60	— 5	33.4[d]	1.40	T.
Meadowdale	51	0	30.2	1.51	0.2
Miller School	62	10	34.2	3.79	
Newport News	61	24	42.4	1.68	T.
Petersburg	66	9	39.5	2.95	T.
Quantico	62	1	31.2	.....	.....
Radford	.....	.....	.....	1.02	1.0
Rockymount	62	7	36.5	5.08	
Salem	75	8	40.6	3.73	
Scottsburg	62	9	38.6	2.14	T.
Speers Ferry	.....	.....	.....	3.41	T.
Spottsville	65	10	39.6	2.20	1.0
Stanardsville	63	8	35.4	3.88	
Staunton	65	10	37.4	3.01	
Stephens City	63	5	34.5	1.94	0.5
Sunbeam	68	10	41.0	2.41	2.0
Tobaccoville	.....	3	.....	2.84	T.
Warrenton	62	11	36.7	1.58	1.0
Warsaw	63	8	36.7	2.45	
Westpoint	63	8	37.8	1.85	
Woodstock	64	7	33.6	1.75	T.
Washington.					
Aberdeen	61	29	41.8	11.91	T.
Anacortes	.....	.....	.....	2.68	
Ashford	.....	.....	.....	8.16	6.0
Bremerton	59	27	42.6	4.80	
Bridgeport	71	12	37.8	0.70	
Brinnon	58	29	41.0	8.06	
Cedar Lake	.....	.....	.....	11.44	3.0
Cedonia	43	9	30.1	1.41	7.4
Centerville	60	17	38.7	1.94	T.
Chehalis	58	25	41.7	4.02	
Cheney	.....	.....	.....	0.25	
Clearwater	56	27	40.8	18.18	1.4
Cle Elum	52	9	33.2	4.75	5.5
Colfax	59	17	37.0	2.24	
Colville	.....	19	.....	1.56	7.5
Conconully	54	9	31.0	0.55	5.1
Connell	.....	.....	.....	0.26	
Coulee City	47	17	33.8	0.65	T.
Coupeville	55	28	42.0	2.05	
Crescent	48	11	32.6	1.95	2.5
Dayton	58	9	39.6	2.03	
Ellensburg	49	12	33.3	0.97	
Ellensburg (near)	48	10	33.6	0.60	0.2
Grandmound	58	25	41.2	4.83	
Hooper	60	18	39.2	0.72	
Kennewick	62	11	39.6	0.76	
Lacenter	61	23	41.6	6.85	
Lakeside	50	17	33.0	1.15	3.5
Lind	56	12	36.0	0.68	0.3
Loomis	47	11	31.0	0.60	6.0
Mayfield	65	32	46.6	7.50	
Montecristo	49	18	36.4	13.80	21.8
Mottinger Ranch	58	22	39.7	0.78	
Mount Pleasant	58	28	43.2	6.88	
Moxee Valley	52	11	34.0	0.51	T.
New Whatcom	62	24	44.2	3.63	
Northport	42	— 1	28.4	2.34	17.0
Olga	58	29	43.0	4.25	
Olympia	59	25	42.6	5.96	
Pinehill	55	21	38.2	3.07	T.
Pomeroy	56	20	40.2	1.60	T.
Washington—Cont'd.					
Port Townsend	56	30	43.6	1.55	
Pullman	53	18	36.4	3.03	
Republic	46	3	28.7	1.46	15.8
Ritzville	.....	.....	.....	0.25	0.5
Rosalia	56	15	36.2	1.92	0.2
Sedro	59	25	44.8	6.38	
Shoalwater Bay *[10]	59	32	44.6	.....	.....
Snohomish	58	21	43.0	3.65	
Southbend	60	31	45.0	9.56	
Sunnyside	58	11	35.6	0.57	
Twin	58	28	42.0	11.71	
Union	57	24	40.4	9.51	
Usk	45	8	32.2	3.21	16.4
Vancouver	61	25	42.2	4.00	
Vashon	62	30	42.4	4.33	
Waterville	58	7	27.8	0.50	3.0
Wenatchee (near)	48	14	32.1	1.50	7.8
Westsound	59	26	41.6	3.43	
West Virginia.					
Beckley	55	1	31.8	1.08	2.1
Beverly	65	— 7	33.3	1.89	5.0
Bluefield	58	0	34.7	1.98	1.0
Buckhannon *b*	64	— 5	33.2	2.04	6.5
Burlington	56	3	32.4	0.82	0.0
Central	64	— 2	34.6	2.60	3.5
Charleston	.....	.....	.....	3.07	2.0
Dayton	65	— 2	34.4	2.93	3.0
Eastbank	68	3	38.2	2.90	T.
Elkhorn	60	3	36.0	1.90	2.7
Fairmont	.....	.....	.....	2.49	2.5
Glenville	62	2	34.6	2.71	1.5
Grafton	64	1	34.0	2.17	3.0
Green Sulphur Springs	64	5	35.6	2.19	0.3
Hamlin	64	7	39.6	2.60	.....
Harpers Ferry	.....	.....	.....	2.43	1.5
Hinton *a*	.....	.....	.....	2.26	2.0
Hinton *b*	59	4	34.7	.....	.....
Huntington	62	4	34.6	3.06	0.7
Madison	70	6	36.8	3.13	1.1
Marlinton	56	— 5	30.5	1.99	T.
Martinsburg	62	9	32.4	1.76	1.0
Morgantown	66	2	35.6	1.59	0.2
New Martinsville	65	4	35.2	3.29	1.5
Nuttallburg	61	— 1	35.2	1.79	2.6
Oceana	60	—10	34.6	2.46	.....
Oldfields	58	3	30.8	1.49	.....
Parsons	62	— 3	31.8	1.90	.....
Philippi *a*	67	— 1	36.1	1.82	4.8
Point Pleasant	65	2	33.2	3.60	T.
Romney	58	7	34.6	1.47	T.
Rowlesburg	.....	.....	.....	2.80	8.0
Spencer	65	2	36.2	2.78	T.
Uppertract	58	2	34.5	1.50	T.
Wellsburg	56	— 2	31.4	2.14	3.5
Weston *a*	.....	.....	.....	2.46	4.4
Weston *b*	65	1	36.9	.....	.....
Wheeling *a*	.....	.....	.....	2.23	1.7
Wheeling *b*	57	5	36.2	1.88	1.5
Wisconsin.					
Amherst	48	—15	21.4	0.60	6.0
Antigo	48[c]	—18[c]	19.0[c]	0.55	5.5
Barron	46	—24	17.4	1.16	9.0
Bayfield	46	—13	21.5	1.80	16.0
Beloit	50	— 9	26.6	2.56	.....
Brodhead	50	—10	25.0	1.45	1.0
Butternut	48	—24	16.4	0.40	4.0
Chilton [d]	42	—16	20.4	0.20	T.
Citypoint	48	—22	19.2	0.38	5.0
Delavan	48	—11	25.2	2.34	1.0
Easton	45	—16	20.6	0.62	5.2
Eau Claire	47	—18	21.0	1.00	6.8
Florence	49	—13	20.3	0.50	5.0
Fond du Lac	.....	—12	.....	0.60	3.0
Grand River Locks	.....	.....	.....	0.64	10.0
Grantsburg	.....	—24	.....	0.77	6.4
Hartford	47	—14	24.0	1.54	6 2
Hartland	44	—11	24.4	2.36	6.2
Harvey	46	—10	23.8	1.47	5.4
Hayward	49	—23	19.5	1.53	15.3
Heafford	45	—19	18.6	0.18	1.9
Hillsboro	47	—16	21.4	1.17	9.0
Knapp	48	—21	18.5	0.31	3.1
Koepenick *[1]	46	—18	17.8	1.10	8.0
Lancaster	45	—14	21.4	0.91	4.0
Madison	44	—14	23.6	0.69	4.5
Manitowoc	45	—11	24.1	0.88	7.8
Meadow Valley	47	—17	19.9	0.52	4.5
Medford	47	—26	16.5	0.85	4.0
Menasha	.....	.....	.....	0.57	8.0
Neillsville	44	—19	18.6	1.00	2.0
New Holstein	42	—13	20.8	0.50	5.0
New London	47	—14	21.4	1.66	5.5
Oconto	48	—12	23.6	0.97	7.0
Osceola	44	—21	19.1	0.85	3.5
Oshkosh	43	—14	23.6	0.55	.....
Pepin	48	—18	20.6	0.89	5.0
Wisconsin—Cont'd.					
Pine River	46	—16	21.9	0.59	6.6
Portage	43	—13	22.0	0.75	7.0
Port Washington	53	—14	24.7	1.80	6.0
Prairie du Chien	50	—12	25.0	0.73	5.2
Racine	57	— 9	27.8	1.95	.....
Sharon	48	—11	23.6	1.61	3.0
Shawano	47	—12	21.0	0.52	4.0
Sheboygan	43	—12	25.0	1.26	6.2
Spooner	51	—22	21.2	1.60	13.0
Stevens Point	47	—17	21.3	0.35	3.7
Sturgeon Bay Canal *[10]	45	—10	23.4	.....	.....
Valley Junction	46	—18	21.0	0.41	4.2
Viroqua	44	—15	22.0	1.33	9.8
Watertown	45	—13	22.9	1.52	6.8
Waukesha	45	—13	24.2	1.43	5.5
Waupaca	45	—15	22.6	0.60	5.2
Wausau	46	—18	20.2	1.00	8.0
Wausaukee	48	—14	21.6	0.53	5.0
Westbend	48	—12	25.9	0.43	4.8
Westfield	44	—15	22.1	0.73	6.5
Whitehall	47	—18	21.3	0.65	7.0
Wyoming.					
Alcova	54	—10	33.0	0.07	0.8
Basin	42	—12	14.3	0.08	.....
Bedford	42	—10	22.0	0.93	5.0
Bigpiney	41	— 9	18.4	0.05	0.5
Bitter Creek	60	—10	32.9	0.20	2.0
Buffalo	56	—10	25.2	0.13	1.3
Burlington	51	—11	23.7	0.15	1.5
Burns	50	—19	16.4	T.	T.
Carbon	48	—12	27.2	T.	T.
Centennial	49	—15	24.7	0.75	7.5
Cody	70	—11	33.0	0.45	4.5
Embar	55	—10	29.4	0.10	1.0
Evanston	45	0	24.4	0.30	3.0
Fort Laramie	65	— 5	33.2	0.00	
Fort Washakie	57	—11	28.7	0.01	0.1
Fort Yellowstone	37	—12	22.1	0.92	9.2
Fourbear	62	—14	28.6	0.23	4.0
Hyattville	55	—12	27.0	0.20	2.0
Iron Mountain	55	—15	30.3	0.02	0.2
Kimball Ranch	54	—11	32.0	0.88	8.8
Laramie	50	— 7	25.5	0.01	0.8
Lovell	48	—14	19.8	0.07	0.5
Lusk	57	—15	27.6	0.00	
Rawlins	44	— 9	25.0	0.13	1.3
Sheridan	53	—14	25.0	0.10	1.0
Sherman	.....	.....	.....	0.30	3.0
Thayne	42	—10	21.6	0.91	6.4
Thermopolis	55	—10	27.2	0.11	1.1
Wamsutter	52	12	32.0	0.00	
Puerto Rico.					
Adjuntas	82	52	67.4	2.58	
Aguadilla	91[c]	71[c]	78.6[c]	2.96	
Arecibo	85	63	73.4	.....	
Bayamon	93	60	75.8	5.51	
Caguas [g]	89	59	72.4	1.59	
Canovanas	84	66	74.8	5.54	
Cayey	81	56	69.3	4.28	
Comerio	87	48	66.8	.....	
Corozal	88	58	72.8	4.59	
Fajardo	85	63	76.8	4.44	
Hacienda Coloso	89	61	74.6	1.41	
Humacao	86	63	75.8	4.30	
Isabela	83	66	74.8	1.87	
La Isolina	85	63	72.3	3.85	
Lajas	90	59	75.3	4.25	
Luquillo	85	63	73.8	9.69	
Manati	90	58	74.2	4.31	
Maunabo	87	68	76.5	5.97	
Mayaguez	91	63	76.6	1.49	
Morovis	89	60	73.6	3.10	
Ponce [e]	82	61	73.2	0.52	
Port America	88	51	76.0	2.28	
Puerta de Tierra	88	68	76.7	4.06	
San German	91	59	72.4	3.62	
San Lorenzo	89	57	73.9	3.72	
Utuado [e]	91	61	75.8	.....	
Vieques	89	68	76.9	6.15	
Yanco	88	63	77.2	6.05	
Mexico.					
Ciudad P. Diaz	74	34	55.6	1.80	
Coatzacoalcos [2]	.....	.....	72.9	.....	
Leon de Aldamas	76	32	56.5	0.06	
Puebla	70	42	58.6	T.	
Tampico [2]	.....	.....	66.9	.....	
Topolobampo *[1]	84	45	64.4	T.	
Vera Cruz [2]	.....	.....	70.6	.....	
New Brunswick.					
St. John	47	— 6	22.6	7.15	21.3
Nicaragua.					
Manhattan Plantation†	94	62	78.3	0.56	

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

Late reports for December, 1899.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	*Ins.*	*Ins*
Alaska.					
Fort Yukon	15	−68	−24.8	0.61	6.1
Sitka	50	21	36.8	6.94	T.
Arkansas.					
Fayetteville	65[c]	11[c]	37.8[c]	2.15	0.2
Hot Springs *b*	.....	.....	.....	5.20	.....
Russellville	65	24	43.2	4.94	3.2
California					
San Miguel Island	77	38	55.9	0.65	
Iowa.					
Toledo	49	− 8	23.2	1.70	
Louisiana.					
Robeline	.....	.....	.....	4.90	
Montana.					
Billings	60	−11	25.6	.....	
Redlodge [8]	71	−20	26.9	0.70	7.0
Nebraska.					
Gordon	.....	.....	.....	0.40	.....
Hickman	.....	.....	.....	1.55	5.0
New Mexico					
Los Lunas	64	10	39.6	0.00	
Oregon.					
Blalock	59	21	39.2	1.42	T.
Lakeview	50	2	27.0	2.43	10.5
Tillamook Rock	.....	.....	.....	6.65	
Texas.					
Jasper	90	30	56.9	.....	
Mexico.					
Topolobampo *[1]	84	46	63.1	2.63	
Cuba.	°	°	°	*Ins.*	*Ins.*
Aguacate	86	48	68.2	0.57	
Australia	86	49	68.9	T.	
Banaguises	87	55	70.1	T.	
Batabano	89	50	71.0	0.00	
Camajuani	82	46	67.2	1.27	
Cardenas	87	53	72.0	0.34	
Cienfuegos	.....	.....	.....	0.23	
Gibara	84	55	71.7	1.30	
Holguin	83	56	71.5	2.02	
Manzanillo	82	61	73.2	2.94	
Matanzas	84	50	68.8	0.74	
Pinar del Rio	87	51	71.2	0.55	
Sagua la Grande	85	49	69.8	0.90	
Santa Clara	86	51	68.8	0.04	
Soledad	84	46	68.8	0.35	
Union de Reyes	85	57	73.1	0.00	
Nicaragua.					
Manhattan Plantation†	96	68	79.3	5.01	

† On Pearl Lagoon, 40 miles north of Bluefields. Hours at which temperature observations were made, 6 a. m., 12 m., and 6 p. m.

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.
[7] Mean from hourly readings of thermograph.
[9] Mean of sunrise and noon.
[10] Mean of sunrise, noon, sunset, and midnight.

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

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

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

CORRECTION.

Table V, December, 1899, page 568, 5th line from bottom, Minneapolis should read Moorhead.

The following changes have been made in the names of stations:

California, Arlington Heights changed to Riverside; Centerville changed to Niles; Malakoff Mine changed to North Bloomfield.
Georgia, Crescent changed to Valona.
Missouri, Stellada changed to Windsor.
New Mexico, Gila changed to Lyons Ranch.
North Dakota, Washburn changed to Falconer.
Pennsylvania, Salem Corners changed to Hamlinton.
Virginia, Richmond (near) changed to Bonair.

TABLE III.—*Mean temperature for each hour of seventy-fifth meridian time, January*, 1900.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midn't.	Mean.
Bismarck, N. Dak....	16.0	15.4	14.6	13.7	13.3	13.0	13.1	13.4	11.9	11.4	13.4	16.4	19.2	21.6	24.3	25.6	25.9	25.0	22.7	21.0	19.7	18.9	18.2	17.3	17.7
Boston, Mass	28.7	28.6	27.9	27.6	27.2	27.1	27.3	27.9	28.6	29.9	31.6	33.0	33.9	34.5	34.5	34.5	33.9	32.9	32.0	31.2	30.6	30.3	29.7	29.1	30.5
Buffalo, N. Y.....	27.5	27.5	27.0	26.8	26.6	26.5	26.5	26.1	26.0	26.4	27.3	28.3	28.7	29.5	29.9	29.9	29.5	28.9	28.4	28.2	27.9	27.7	27.8	27.5	27.8
Cedar City, Utah....	33.8	33.0	32.7	32.4	32.4	31.7	31.3	31.4	30.7	30.1	32.1	34.8	37.7	40.4	42.2	43.7	44.6	44.7	43.2	39.7	37.1	36.0	35.0	34.1	36.0
Chicago, Ill.....	27.4	26.9	26.3	25.4	24.9	24.7	24.6	25.1	25.2	25.8	27.2	28.4	29.4	30.4	30.9	30.9	31.1	30.9	30.3	29.7	28.9	28.5	28.2	27.5	27.9
Cincinnati, Ohio....	34.1	33.9	33.3	33.5	33.0	32.6	31.9	32.5	31.8	32.2	33.6	35.6	36.9	37.9	39.1	40.0	39.8	39.0	37.6	36.4	35.8	35.1	34.5	34.2	35.2
Cleveland, Ohio	29.4	28.6	28.1	28.0	27.6	27.7	27.6	28.0	27.8	28.4	29.4	30.2	30.6	31.2	31.4	31.6	31.7	31.2	30.4	30.2	29.8	29.6	29.5	29.4	29.5
Detroit, Mich.....	27.5	27.3	27.1	26.7	26.7	26.5	26.2	26.4	26.2	26.7	27.5	28.3	29.0	29.8	30.5	30.4	30.3	29.6	29.2	28.8	28.4	28.2	27.9	27.5	28.0
Dodge, Kans.....	32.0	31.0	29.7	28.9	28.4	27.8	27.3	26.6	25.7	27.5	32.7	38.2	42.7	45.2	47.4	48.8	49.3	48.4	44.3	39.4	36.1	34.8	33.7	33.0	35.8
Eastport, Me.....	21.5	21.7	21.5	21.5	21.2	21.8	22.0	22.1	23.3	24.0	25.0	25.8	26.5	26.8	26.9	26.7	26.2	25.6	25.1	25.1	24.3	23.9	23.5	22.8	24.0
Galveston, Tex.....	53.2	53.0	52.8	52.7	52.5	52.2	52.1	52.2	51.9	52.6	53.4	54.1	54.6	55.4	56.0	56.4	56.5	56.4	55.8	55.5	54.9	54.4	53.9	53.7	54.0
Havre, Mont.....	24.5	24.2	24.5	23.8	23.0	22.7	22.4	22.3	21.7	21.9	22.4	25.5	29.0	31.2	32.8	34.1	34.4	33.6	31.7	30.4	29.1	27.9	26.9	25.9	26.9
Independence, Cal..	44.1	43.8	43.4	42.9	41.8	41.6	40.3	40.3	38.7	38.2	38.8	41.0	44.8	47.7	51.5	54.0	56.2	56.7	55.6	53.1	49.2	47.2	46.8	45.7	46.0
Kalispell, Mont	29.8	29.2	28.4	28.2	27.4	27.7	27.2	27.4	26.8	26.6	26.5	27.5	28.8	30.5	32.3	33.4	34.9	35.0	34.1	32.4	31.2	30.7	30.4	29.9	29.8
Kansas City, Mo.....	32.6	32.1	31.2	30.5	29.9	29.6	29.3	29.1	28.9	29.8	32.1	35.0	36.8	38.3	40.0	41.2	41.5	40.8	39.5	37.8	36.8	35.6	34.5	33.6	34.4
Key West, Fla.....	65.5	65.5	65.0	64.9	64.8	64.6	64.7	65.2	65.7	66.1	67.1	67.4	67.9	68.1	68.5	68.0	67.2	66.3	66.2	66.3	65.8	65.5	65.5	65.3	66.1
Marquette, Mich	21.7	21.4	21.2	21.3	21.4	21.5	21.4	21.7	21.4	21.8	22.5	23.5	24.4	25.0	25.5	25.3	25.0	24.7	24.3	23.8	23.4	23.1	22.7	22.5	23.9
Memphis, Tenn.....	42.7	42.2	41.6	41.2	40.6	40.3	39.8	39.4	39.7	41.2	43.2	44.9	46.8	48.3	49.3	49.9	49.5	48.5	47.6	46.9	45.5	44.6	43.7	43.1	44.2
Mt. Tamalpais, Cal..	47.6	47.9	47.5	47.3	46.9	46.8	46.4	46.6	46.2	45.7	46.1	46.9	47.7	48.0	49.0	49.0	49.3	49.6	48.9	48.4	47.7	47.6	47.9	47.6	47.6
New Orleans, La.....	49.7	49.0	48.6	48.3	47.9	47.6	47.2	47.0	47.5	48.8	51.4	53.4	55.0	56.2	56.6	57.1	57.2	56.4	55.0	53.8	52.8	52.1	51.7	50.8	52.1
New York, N. Y.....	31.6	31.2	31.2	30.8	30.4	30.2	30.4	30.4	30.5	31.5	33.0	34.4	35.3	36.0	36.6	36.7	36.4	35.5	34.7	34.4	33.5	32.9	32.4	32.0	33.0
Philadelphia, Pa.....	32.7	32.2	31.9	31.8	31.4	31.2	30.7	31.2	31.8	33.4	35.3	36.8	38.2	39.1	39.4	39.1	37.9	36.8	36.0	35.8	34.6	34.4	33.9	33.1	34.5
Pittsburg, Pa.....	32.1	31.6	31.6	31.5	31.2	31.2	31.1	31.5	31.6	32.8	33.9	34.5	35.3	36.5	37.6	37.6	36.3	35.2	34.1	33.6	32.6	32.5	32.1	31.9	33.3
Portland, Oreg.....	44.0	43.8	42.8	42.5	42.1	42.0	41.7	41.8	41.1	40.4	40.3	40.6	41.5	42.5	44.3	45.2	46.3	46.8	47.3	46.9	46.0	45.5	45.1	44.6	43.6
St. Louis, Mo.....	35.9	35.2	34.6	33.8	33.3	32.6	32.0	31.8	31.8	32.6	33.9	35.7	37.5	39.4	40.8	41.5	41.7	41.0	40.1	39.3	38.4	37.6	37.1	36.3	36.4
St. Paul, Minn.....	20.0	19.3	18.5	17.7	17.4	17.0	17.1	17.3	17.4	17.6	18.7	20.7	23.1	24.8	26.0	26.7	27.1	26.3	24.7	23.5	22.5	21.7	21.1	20.4	21.1
Salt Lake City, Utah.	32.7	32.3	32.3	32.1	31.5	31.0	31.1	32.0	30.6	31.0	31.6	34.0	36.6	38.5	39.3	40.5	41.3	41.1	39.5	37.7	36.6	35.7	34.6	33.8	34.9
San Diego, Cal.....	56.0	55.3	54.5	54.3	53.9	53.8	53.3	53.1	53.1	52.6	53.2	55.8	58.8	60.6	62.3	62.4	62.5	62.3	61.5	60.3	59.4	58.5	57.3	56.5	57.1
San Francisco, Cal...	50.1	49.8	49.2	49.0	48.5	48.2	48.2	48.8	48.2	47.6	47.5	48.0	49.1	50.3	51.6	52.8	53.4	53.9	53.6	52.9	52.5	51.9	51.3	50.5	50.3
Santa Fe, N. Mex ...	32.1	31.5	30.5	30.2	29.8	29.3	28.3	28.1	27.0	28.7	32.9	35.8	38.4	40.2	42.1	43.5	44.3	44.0	41.6	38.4	35.6	34.3	33.3	32.9	34.7
Savannah, Ga.....	46.2	45.6	45.2	44.7	44.3	43.7	43.7	43.7	44.9	47.8	50.9	53.7	55.5	56.8	57.3	57.2	56.1	53.5	51.5	50.5	49.0	48.1	47.3	46.7	49.3
Washington, D. C....	33.6	32.8	31.9	31.2	30.2	29.6	29.5	29.8	31.1	33.5	35.7	37.4	39.0	40.6	41.5	41.6	40.8	39.5	38.0	36.6	35.5	35.1	34.0	33.6	35.1
West Indies.																									
Basseterre, St. Kitts.	74.7	74.4	74.5	74.4	74.3	74.3	76.5	77.9	79.0	80.2	80.8	80.7	80.3	79.8	79.4	78.4	76.8	76.3	76.1	76.1	76.1	75.6	75.1	74.6	76.9
Bridgetown, Bar.....	74.8	74.5	74.4	74.2	73.7	74.3	77.9	80.1	81.6	82.5	83.1	83.4	83.0	82.4	81.5	80.4	78.5	76.9	76.4	75.9	75.7	75.3	75.1	75.0	77.9
Cienfuegos, Cuba ...	64.7	63.9	63.7	63.2	62.8	62.5	62.2	64.4	68.4	72.0	74.5	76.0	76.9	77.2	77.5	76.8	75.1	72.9	70.8	67.4	67.9	67.1	65.8	65.5	69.2
Havana, Cuba.....	67.0	66.4	66.2	66.1	65.8	65.9	65.7	66.2	68.2	71.1	72.4	73.0	73.6	73.3	73.2	72.9	72.2	71.5	70.6	70.0	69.2	68.9	68.3	67.6	69.4
Port of Spain, Trin..	73.8	73.0	72.6	72.4	72.6	73.2	76.3	80.5	81.5	83.0	84.2	84.1	83.6	83.6	82.7	81.7	80.0	78.2	77.6	77.0	76.1	75.4	74.5	73.7	77.9
P. Principe, Cuba ...	65.2	64.5	63.9	63.5	63.2	63.2	63.0	65.5	69.1	72.5	74.6	76.5	77.2	77.5	76.7	75.4	74.0	71.8	69.9	68.9	67.7	67.0	66.3	65.8	69.3
Roseau, Dominica ..	74.0	73.9	73.6	73.4	73.2	73.1	75.0	78.4	79.7	81.1	81.8	82.3	82.6	82.4	81.3	80.5	78.5	76.8	75.9	75.5	75.2	74.7	74.5	73.9	77.1
San Juan, P. R.....	72.6	72.5	72.2	72.0	71.8	72.0	73.1	74.7	77.7	79.1	79.8	80.1	79.9	79.5	78.7	78.0	76.6	76.0	75.7	75.0	74.7	74.1	73.5	73.0	75.5
Santiago de Cuba...	70.1	69.5	69.1	68.8	68.4	68.2	69.1	71.0	75.2	77.4	80.2	81.0	81.4	81.1	80.9	80.0	78.4	76.2	74.8	73.8	73.0	72.3	71.6	71.0	74.3
Santo Domingo, S. D.	69.3	68.6	68.2	67.7	67.6	67.0	67.7	70.9	75.1	77.9	79.1	80.1	80.4	79.9	79.5	78.4	77.4	76.0	74.9	73.7	72.4	71.3	70.5	69.7	73.5
Willemstad, Curaçao	76.7	76.7	76.5	76.2	76.2	76.3	77.5	79.1	80.3	81.5	82.1	82.4	82.5	82.5	81.7	80.6	79.6	78.4	77.8	77.8	77.4	77.4	77.1	76.7	78.8

TABLE IV.—*Mean pressure for each hour of seventy-fifth meridian time, January*, 1900.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midn't.	Mean.
Bismarck, N. Dak....	28.256	.254	.255	.259	.259	.255	.251	.255	.259	.265	.270	.274	.261	.247	.238	.236	.241	246	.250	.252	.257	.260	.259	.258	.255
Boston, Mass.....	29.865	.870	.869	.865	.863	.862	.872	.878	.884	.885	.869	.844	.826	.823	.831	.841	.847	.858	.867	.869	.870	.870	.865	.857	.860
Buffalo, N. Y.....	29.145	.148	.157	.155	.156	.157	.166	.172	.182	.186	.181	.160	.135	.127	.131	.136	.141	.150	.158	.159	.156	.153	.151	.151	.155
Cedar City, Utah....	24.333	.334	.330	.325	.329	.329	.326	.322	.325	.334	.350	.366	.370	.359	.333	.313	.307	.306	.308	.312	.316	.325	.328	.333	.330
Chicago, Ill.....	29.142	.138	.142	.144	.142	.140	.143	.155	.162	.171	.176	.163	.142	.123	.121	.128	.135	.141	.151	.156	.158	.161	.161	.159	.148
Cincinnati, Ohio	29.405	.402	.403	.402	.398	.400	.406	.413	.426	.436	.436	.420	.395	.381	.381	.387	.396	.402	.410	.416	.422	.427	.426	.422	.409
Cleveland, Ohio	29.189	.195	.197	.195	.195	.194	.200	.206	.215	.219	.215	.198	.180	.171	.175	.181	.188	.196	.196	.204	.205	.205	.200	.198	.197
Detroit, Mich.....	29.216	.214	.221	.221	.215	.212	.215	.222	.229	.239	.241	.227	.208	.196	.196	.202	.207	.212	.218	.224	.229	.229	.229	.228	.219
Dodge, Kans	27.470	.466	.466	.470	.471	.468	.467	.465	.478	.485	.497	.495	.477	.451	.429	.419	.419	.422	.427	.441	.450	.460	.468	.472	.460
Eastport, Me	29.870	.871	.872	.872	.870	.871	.875	.883	.891	.896	.875	.855	.837	.830	.829	.827	.832	.835	.842	.850	.855	.857	.854	.850	.858
Galveston, Tex.....	30.059	.056	.055	.054	.053	.053	.056	.062	.078	.092	.104	.103	.078	.053	.039	.032	.025	.025	.030	.038	.050	.063	.073	.074	.058
Havre, Mont.....	27.333	.330	.328	.332	.340	.342	.339	.341	.344	.347	.353	.357	.356	.342	.322	.314	.316	.317	.317	.313	.315	.317	.316	.316	.331
Independence, Cal..	26.088	.091	.093	.091	.093	.092	.089	.087	.095	.102	.111	.129	.135	.126	.094	.069	.057	.050	.047	.046	.054	.062	.074	.085	.086
Kalispell, Mont	26.965	.967	.967	.970	.978	.983	.986	.985	.990	.993	.002	.008	.011	.001	.985	.970	.964	.964	.964	.964	.962	.965	.965	.967	.978
Kansas City, Mo.....	29.090	.087	.090	.092	.088	.087	.084	.090	.096	.108	.117	.119	.098	.073	.060	.057	.063	.067	.073	.080	.084	.091	.099	.102	.087
Key West, Fla.....	30.056	.053	.046	.042	.039	.045	.055	.064	.091	.107	.096	.076	.049	.033	.023	.025	.029	.032	.041	.054	.065	.071	.073	.071	.056
Marquette, Mich ...	29.102	.111	.120	.124	.121	.118	.122	.128	.128	.137	.140	.137	.119	.106	.101	.108	.112	.112	.115	.118	.113	.113	.115	.116	.118
Memphis, Tenn.....	29.704	.702	.705	.708	.707	.707	.710	.725	.744	.756	.765	.757	.725	.705	.692	.690	.691	.694	.699	.704	.709	.715	.721	.722	.715
Mt. Tamalpais, Cal .	27.631	.632	.628	.622	.622	.621	.616	.609	.614	.621	.635	.650	.657	.658	.639	.621	.614	.614	.617	.623	.626	.632	.636	.642	.628
New Orleans, La.....	30.079	.077	.076	.077	.076	.079	.086	.096	.112	.123	.129	.123	.094	.070	.059	.053	.053	.055	.060	.065	.075	.082	.086	.089	.082
New York, N. Y.....	29.699	.701	.705	.703	.701	.703	.713	.722	.732	.735	.721	.697	.675	.670	.675	.679	.686	.695	.704	.713	.717	.715	.707	.700	.703
Philadelphia, Pa.....	29.946	.953	.956	.954	.955	.958	.967	.978	.989	.995	.986	.960	.935	.930	.930	.933	.937	.945	.954	.958	.955	.957	.955	.950	.956
Pittsburg, Pa.....	29.135	.136	.140	.139	.133	.133	.141	.149	.161	.165	.157	.137	.115	.104	.105	.114	.125	.133	.139	.146	.147	.148	.147	.145	.137
Portland, Oreg..... .	29.937	.945	.949	.948	.951	.958	.952	.949	.945	.948	.952	.962	.971	.971	.956	.939	.927	.926	.924	.926	.926	.933	.941	.947	.945
St. Louis, Mo.....	29.473	.469	.476	.481	.478	.477	.487	.499	.507	.518	.527	.520	.494	.471	.459	.460	.461	.464	.470	.477	.483	.485	.487	.487	.484
St. Paul, Minn.....	29.113	.114	.116	.125	.122	.117	.112	.113	.116	.120	.131	.135	.122	.103	.087	.085	.091	.096	.103	.112	.119	.119	.119	.122	.113
Salt Lake City, Utah.	25.756	.757	.755	.755	.761	.763	.759	.758	.763	.769	.776	.786	.791	.781	.756	.741	.736	.735	.738	.738	.743	.745	.747	.753	.757
San Diego, Cal.....	29.981	.981	.974	.971	.971	.970	.964	.963	.967	.976	.991	.005	.013	.002	.975	.951	.942	.942	.943	.944	.955	.962	.969	.978	.970
San Francisco, Cal...	29.985	.987	.983	.978	.980	.982	.975	.969	.971	.978	.990	.006	.020	.021	.999	.981	.975	.968	.970	.968	.974	.981	.986	.992	.984
Santa Fe, N. Mex ...	23.277	.275	.267	.269	.270	.266	.260	.259	.269	.278	.289	.298	.291	.270	.246	.237	.236	.229	.244	.251	.258	.265	.270	.276	.265
Savannah, Ga.....	30.050	.051	.048	.046	.045	.051	.060	.074	.090	.100	.096	.079	.053	.038	.030	.028	.032	.039	.047	.053	.059	.065	.066	.063	.057
Washington, D. C....	29.971	.977	.982	.980	.980	.981	.990	.004	.017	.022	.004	.978	.965	.952	.948	.950	.956	.964	.970	.975	.982	.983	.982	.978	.979
West Indies.																									
Basseterre, St. Kitts.	29.939	.926	.919	.918	.928	.944	.970	.988	.995	.986	.966	.941	.925	.915	.915	.919	.928	.938	.954	.965	.969	.967	.961	.953	.947
Bridgetown, Bar.....	29.876	.869	.871	.876	.886	.901	.920	.932	.933	.922	.904	.882	.864	.857	.858	.862	.871	.882	.895	.906	.910	.907	.900	.892	.891
Cienfuegos, Cuba...	29.966	.958	.948	.944	.946	.952	.967	.986	.001	.006	.999	.979	.948	.930	.919	.917	.925	.935	.949	.969	.979	.985	.984	.978	961
Havana, Cuba.....	29.993	.987	.977	.975	.973	.977	.989	.005	.022	.034	.032	.016	.992	.972	.959	.956	.961	.968	.977	.991	.002	.012	.013	.006	.991
Kingston, Jamaica..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port of Spain, Trin..	29.830	.820	.815	.819	.828	.845	.872	.888	.891	.879	.860	.836	.812	.795	.791	.797	.808	.819	.837	.853	.858	.858	.854	.845	.838
P. Principe, Cuba ...	29.643	.634	.624	.622	.625	.634	.647	.663	.680	.686	.677	.654	.628	.609	.602	.605	.612	.623	.635	.649	.657	.662	.659	.652	.641
Roseau, Dominica ..	29.903	.895	.893	.894	.901	.916	.933	.953	.958	.950	.931	.908	.890	.881	.878	.881	.888	.899	.912	.926	.928	.927	.923	.916	.912
San Juan, P. R.....	29.909	.896	.886	.888	.894	.906	.924	.942	.951	.943	.928	.903	.884	.873	.871	.877	.884	.897	.910	.925	.930	.930	.926	.919	.908
Santiago de Cuba...	29.881	.871	.862	.864	.869	.879	.899	.910	.929	.930	.908	.883	.854	.841	.836	.839	.846	.854	.870	.887	.902	.905	.901	.895	.880
Santo Domingo, S. D.	29.949	.935	.926	.919	.928	.941	.962	.981	.998	.995	.976	.949	.924	.906	.900	.901	.912	.924	.938	.957	.966	.970	.965	.956	.945
Willemstad, Curaçao	29.809	.795	.786	.792	.801	.815	.842	.861	.868	.861	.841	.816	.783	.766	.757	.761	.770	.783	.804	.821	.833	.834	.830	.825	.811

TABLE V.—*Average wind movement for each hour of seventy-fifth meridian time, January*, 1900.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.
Abilene, Tex	7.3	7.8	7.9	7.5	7.5	7.5	7.5	8.6	8.9	8.0	8.8	10.0	10.5	10.7	10.8	10.8	10.6	10.5	9.4	7.8	7.0	6.8	6.5	6.8	8.6
Albany, N. Y	7.4	8.0	7.9	8.4	9.4	9.4	9.4	10.4	9.7	10.2	10.4	10.4	11.0	11.3	10.5	10.1	9.4	9.0	8.5	8.2	7.7	7.4	7.5	7.1	9.1
Alpena, Mich	11.3	10.6	10.4	10.1	10.4	10.3	9.9	10.3	10.5	11.2	12.1	12.8	13.4	13.9	13.5	13.2	12.4	11.9	12.0	11.3	11.0	11.2	10.8	11.1	11.5
Amarillo, Tex	8.5	8.3	8.5	8.4	9.0	9.1	8.7	9.2	8.9	9.3	10.9	11.2	12.5	12.1	11.8	11.3	11.2	10.6	8.0	7.2	7.0	7.4	7.9	8.2	9.4
Atlanta, Ga	12.2	12.9	13.3	13.0	12.5	12.4	12.6	12.4	11.8	11.5	11.4	11.5	11.1	10.8	11.3	11.2	11.7	10.9	10.9	11.4	11.3	11.9	12.1	12.0	11.8
Atlantic City, N. J	10.6	11.8	11.9	11.1	11.0	10.9	11.1	11.2	11.5	13.2	14.2	13.7	14.2	14.2	14.0	13.1	12.1	11.2	11.3	11.8	12.3	11.6	11.7	11.4	12.1
Augusta, Ga	4.3	4.2	4.6	4.5	4.7	4.9	5.1	5.8	5.8	6.8	7.3	7.1	7.7	8.5	8.5	8.0	7.5	7.1	6.3	5.6	5.5	5.7	5.8	5.4	6.1
Baker City, Oreg	5.9	7.2	6.7	6.2	6.4	6.2	6.1	7.0	6.5	6.5	6.1	5.9	4.5	4.9	4.7	5.5	5.6	5.4	4.8	4.1	4.2	5.2	5.8	5.7	5.7
Baltimore, Md	4.7	4.8	4.7	4.2	3.8	4.0	4.1	4.3	5.0	5.6	6.1	6.1	6.7	6.8	6.7	6.1	5.7	5.1	5.1	5.1	5.3	5.6	5.4	5.6	5.3
Bismarck, N. Dak	8.0	7.1	7.4	7.1	7.7	7.7	8.2	8.5	8.4	9.4	9.0	9.9	11.7	11.4	11.7	11.8	11.8	10.1	9.2	8.5	7.8	8.0	7.7	7.5	9.0
Block Island, R. I	19.6	19.5	19.8	19.8	19.5	19.6	20.5	20.4	20.0	20.7	20.3	20.5	21.3	20.4	20.8	20.5	20.7	21.0	22.0	22.1	21.4	21.3	21.2	20.8	20.6
Boise, Idaho	3.5	3.6	3.2	2.9	3.1	3.2	3.3	2.9	2.8	2.7	2.8	3.1	4.0	4.5	4.9	5.3	5.8	5.4	5.2	4.6	3.8	3.3	3.1	2.9	3.8
Boston, Mass	11.5	11.8	11.3	11.0	11.0	10.8	11.7	12.0	12.3	12.5	12.3	13.5	13.3	13.7	13.7	13.3	13.1	12.6	13.4	13.1	13.5	12.9	13.0	13.1	12.5
Buffalo, N. Y	17.3	17.5	17.2	17.9	17.4	17.5	17.6	16.4	15.7	16.1	16.3	16.1	18.0	17.3	17.2	17.0	17.5	16.6	16.7	16.7	15.6	16.3	17.1	17.7	16.9
Cairo, Ill	8.2	8.4	8.2	8.4	8.0	7.9	8.1	7.6	7.7	8.4	8.5	9.1	9.5	10.5	10.6	10.9	10.5	9.9	8.3	8.3	8.2	8.1	8.5	8.6	8.8
Cape Henry, Va	11.6	11.6	11.6	11.7	12.0	11.6	11.1	11.6	11.8	12.0	12 8	12.8	13.2	13.1	12.2	11.5	11.7	11.2	12.1	12.5	12.8	12.7	13.3	12.9	12.1
Carson City, Nev	3.4	3.8	3.8	3.5	3.6	3.4	3.7	3.3	3.5	3.5	3.6	2.9	3.5	4.1	4.2	4.9	6.1	7.1	7.8	7.3	4.9	4.7	3.8	3.3	4.3
Cedar City, Utah	5.3	5.4	5.3	5.3	5.2	4.7	5.0	5.2	4.7	4.7	3.8	3.2	2.8	3.4	4.1	4.5	5.0	5.1	4.5	4.6	5.4	5.6	6.4	5.6	4.8
Charleston, S. C	8.1	8.0	8.0	8.6	9.0	9.2	9.5	9.7	9.7	9.6	10.4	11.4	12.2	11.3	11.3	11.6	11.4	10.2	9.0	8.7	8.7	8.6	8.4	9.0	9.6
Charlotte, N. C	6.2	6.0	6.5	6.3	6.0	5.9	5.7	5.9	6.1	6.9	7.3	8.0	8.3	8.8	8.5	8.2	7.7	6.8	6.7	6.7	6.3	6.2	6.4	6.1	6.8
Chattanooga, Tenn	5.5	5.6	5.8	6.0	5.7	5.4	5.3	5.6	5.9	5.7	5.9	6.3	6.5	7.5	8.5	9.4	9.4	8.6	8.6	7.3	6.7	6.2	6.4	6.5	6.7
Cheyenne, Wyo	9.2	9.5	10.0	10.6	10.4	10.2	11.6	11.9	12.2	10.4	11.4	13.7	17.5	18.5	19.6	19.3	18.0	16.1	13.3	10.8	10.0	8.9	8.7	9.4	12.6
Chicago, Ill	16.9	17.1	16.8	17.3	17.1	16.8	17.0	17.1	16.9	17.4	17.5	17.9	20.1	19.8	19.8	20.0	19.3	18.8	18.6	18.4	18.1	18.0	17.1	16.8	17.9
Cincinnati, Ohio	7.6	7.2	7.0	7.2	6.9	7.3	7.5	8.1	9.0	9.1	9.5	9.5	9.6	10.7	10.5	10.9	10.6	9.0	8.7	8.0	8.3	7.7	7.9	7.7	8.6
Cleveland, Ohio	18.4	17.6	16.8	16.4	16.2	16.0	15.6	15.0	15.0	16.1	17.2	17.2	17.5	17.3	17.5	17.9	18.6	18.8	18.9	19.7	19.8	19.7	19.5	19.2	17.6
Columbia, Mo	9.3	9.1	9.1	8.9	8.4	8.5	8.3	8.6	8.3	8.5	9.7	10.2	10.7	10.8	10.8	11.1	10.3	9.3	8.3	8.5	9.0	9.0	9.4	8.8	9.3
Columbus, Ohio	8.6	8.0	7.6	7.6	7.9	7.7	7.4	7.5	7.5	8.7	9.3	9.6	10.2	10.2	9.8	10.2	10.1	9.4	9.3	9.0	9.6	8.8	8.6	8.5	8.8
Concordia, Kans	6.3	5.8	5.8	5.2	5.0	5.1	5.2	4.7	4.4	5.4	6.8	6.9	7.5	7.8	7.9	7.9	7.8	6.9	4.9	5.0	5.3	5.4	5.7	6.4	6.0
Corpus Christi, Tex	10.4	9.4	9.3	8.8	8.6	8.3	8.4	8.5	8.3	8.8	9.5	9.5	10.5	11.0	11.5	12.2	12.1	11.8	11.4	10.1	9.9	10.1	10.9	10.4	10.0
Davenport, Iowa	8.2	8.1	8.1	8.0	7.5	7.5	7.9	8.0	7.8	8.0	8.6	8.8	10.1	10.3	10.1	10.0	9.5	9.0	8.5	7.8	7.4	7.8	7.8	7.9	8.4
Denver, Colo	8.3	8.2	8.1	8.5	7.8	7.5	6.8	7.4	8.4	9.0	9.3	8.6	8.3	8.1	8.5	8.8	9.2	8.5	7.9	8.7	8.3	8.6	8.1	7.2	8.3
Des Moines, Iowa	7.7	7.1	7.1	6.8	7.0	7.0	6.6	7.3	7.3	8.0	8.7	9.4	9.5	9.8	10.0	9.8	9.6	9.3	7.5	7.9	8.8	8.5	8.7	7.7	8.2
Detroit, Mich	11.1	10.8	10.4	10.4	10.4	10.4	10.7	10.4	10.5	11.2	12.1	12.6	13.1	12.9	13.3	12.4	12.7	12.3	12.8	12.7	12.8	12.1	11.5	11.2	11.7
Dodge, Kans	6.5	6.7	6.5	6.8	7.1	7.0	7.3	7.4	7.5	7.8	9.3	10.8	11.5	12.4	12.3	12.0	11.6	10.5	7.4	5.5	5.5	5.5	6.3	6.6	8.2
Dubuque, Iowa	8.9	8.1	7.9	7.8	8.2	7.6	7.5	7.5	7.4	8.5	8.7	9.5	9.5	9.6	10.1	10.4	9.9	8.8	8.0	8.0	8.8	9.3	8.9	9.1	8.7
Duluth, Minn	9.7	10.5	10.3	11.0	10.2	9.4	9.7	9.1	9.1	9.5	8.9	8.7	8.9	9.5	9.7	10.1	10.1	9.5	9.6	10.0	10.2	10.8	9.8	8.9	9.7
Eastport, Me	12.8	13.1	13.9	14.1	14.7	14.7	15.8	15.7	15.0	15.9	16.5	17.1	16.6	15.4	15.3	13.8	13.1	13.2	14.3	13.6	14.4	14.1	14.2	14.0	14.7
Elkins, W. Va	4.4	4.4	4.5	4.5	4.2	4.1	3.8	4.4	4.9	5.2	6.2	6.7	7.2	8.3	8.7	8.5	7.9	6.7	6.2	5.5	5.3	5.4	5.1	4.8	5.7
El Paso, Tex	8.3	8.4	8.1	9.1	9.0	9.5	9.5	9.1	8.3	8.1	8.4	8.8	9.5	9.2	9.4	10.3	11.0	11.3	11.4	8.5	7.8	8.5	9.3	8.4	9.1
Erie, Pa	15.3	14.9	14.5	14.1	13.8	13.7	12.9	12.8	12.7	12.6	12.4	12.9	14.4	13.6	13.5	13.3	12.9	13.0	13.9	14.8	15.8	16.0	16.2	16.1	14.0
Escanaba, Mich	8.7	9.4	9.5	9.4	9.3	9.6	9.4	9.2	9.8	10.4	10.8	11.2	12.4	12.5	12.0	11.2	11.3	10.3	9.8	9.3	9.5	9.8	9.0	9.1	10.1
Eureka, Cal	3.8	3.7	4.5	3.5	3.2	3.4	3.2	3.0	3.5	3.5	3.3	3.5	3.7	3.3	3.7	4.6	6.0	6.2	6.4	6.6	5.4	4.4	3.5	3.3	4.1
Evansville, Ind	7.3	7.0	6.7	6.8	6.8	6.7	6.4	6.5	6.6	7.5	8.4	8.5	9.2	9.5	10.1	9.8	9.4	8.2	7.5	7.3	7.5	7.1	7.0	7.2	7.7
Fort Smith, Ark	6.2	6.1	6.2	6.6	7.2	6.8	7.5	6.8	6.9	7.0	7.0	7.2	8.1	7.8	8.2	8.4	8.7	8.4	8.7	5.9	6.0	6.6	6.4	5.9	7.1
Fresno, Cal	3.5	3.6	3.7	3.8	3.7	3.5	3.5	3.2	3.5	3.1	3.5	3.4	4.3	4.0	3.7	3.5	3.6	3.6	4.0	3.1	2.8	3.4	3.4	3.2	3.5
Galveston, Tex	9.9	9.5	9.6	9.6	9.5	9.5	8.8	8.7	8.1	8.7	9.9	9.9	9.6	9.4	9.4	9.3	9.2	9.2	8.9	9.7	10.0	10.1	10.3	10.3	9.5
Grand Haven, Mich	11.7	11.3	10.9	10.8	10.9	11.1	11.0	11.1	11.6	11.6	12.2	12.5	12.4	12.5	12.7	12.1	12.2	12.0	11.3	11.9	11.9	12.0	12.2	12.5	11.8
Grand Junction, Colo.	3.0	3.1	3.0	3.5	3.6	3.6	3.7	3.6	3.7	4.0	4.3	5.0	5.4	5.0	4.5	3.9	3.6	3.6	3.1	2.3	2.2	2.4	2.8	3.1	3.6
Green Bay, Wis	8.3	8.5	9.0	8.8	9.2	9.1	9.0	8.7	8.9	9.0	10.0	10.5	10.7	11.3	11.1	10.8	10.6	9.3	8.5	8.1	8.5	8.9	8.5	8.7	9.3
Harrisburg, Pa	7.3	7.0	7.4	7.4	7.6	7.5	7.2	7.5	7.7	8.4	8.9	9.6	9.5	10.0	10.2	9.5	9.0	8.5	8.8	8.5	7.3	8.2	8.5	7.7	8.3
Hatteras, N. C	14.6	14.6	14.6	14.9	15.1	15.0	14.2	14.3	13.9	13.5	13.3	12.8	13.6	13.5	13.2	13.8	14.0	14.0	14.9	15.1	15.9	15.7	16.0	15.5	14.4
Havre, Mont	9.8	11.6	11.7	12.2	12.1	11.6	11.4	10.9	10.2	10.2	10.3	10.8	11.7	13.9	14.5	15.1	13.4	11.7	11.0	10.2	10.0	9.2	9.7	8.8	11.3
Helena, Mont	8.3	9.1	8.1	7.2	7.3	6.5	7.7	7.6	7.0	6.3	7.4	6.5	7.3	7.3	8.1	8.1	8.3	8.8	8.4	7.9	8.0	7.5	7.8	7.5	7.7
Huron, S. Dak	10.9	10.7	10.3	10.5	10.5	11.0	10.9	10.9	10.8	10.8	12.1	12.8	13.8	14.3	14.8	15.3	13.7	11.6	10.0	10.1	10.6	10.5	10.6	11.0	11.6
Independence, Cal	4.6	5.2	6.0	5.5	5.5	5.3	5.5	5.2	5.2	5.5	5.7	5.4	6.3	8.0	8.0	7.6	6.7	6.3	6.3	6.1	6.5	5.1	4.7	4.9	5.9
Indianapolis, Ind	11.3	10.3	9.7	10.1	10.2	10.0	10.3	10.1	10.6	11.4	12.2	12.2	12.7	13.2	13.4	13.5	13.3	12.7	12.2	11.4	12.2	11.9	11.3	11.5	11.6
Jacksonville, Fla	6.1	6.6	6.1	6.4	6.8	6.5	6.9	6.6	6.7	7.5	7.7	7.8	8.6	9.2	9.7	9.1	8.6	7.3	5.5	6.1	5.8	5.9	6.3	6.1	7.1
Jupiter, Fla	9.6	10.4	9.7	9.4	9.8	9.6	9.3	9.6	10.6	11.8	12.8	12.9	12.8	12.9	13.0	12.5	11.3	10.2	9.7	9.5	9.4	9.8	10.3	10.0	10.7
Kalispell, Mont	4.6	4.6	4.6	4.3	4.5	4.2	5.3	5.6	5.7	4.9	4.7	5.3	4.7	4.6	4.6	4.0	4.3	4.3	4.4	3.9	4.1	4.6	4.5	4.7	4.6
Kansas City, Mo	8.3	8.4	8.3	8.8	8.7	8.4	8.2	8.3	8.1	8.0	8.9	8.7	10.1	10.1	10.3	10.3	9.7	9.2	7.8	8.1	7.9	7.6	7.8	8.0	8.7
Keokuk, Iowa	8.6	8.2	7.6	7.8	7.5	7.8	8.1	8.1	7.7	8.3	9.5	10.2	10.1	10.1	10.1	10.1	9.9	9.2	7.9	7.2	7.4	7.5	7.9	8.4	8.6
Key West, Fla	10.8	11.2	10.5	10.7	10.7	10.8	11.7	11.8	11.3	11.2	11.5	11.5	12.0	11.9	11.6	11.7	11.4	10.6	10.9	11.7	11.8	11.5	11.3	11.1	11.3
Kittyhawk, N. C	11.6	11.5	11.6	12.0	11.8	11.3	11.8	12.6	12.0	12.4	12.5	11.7	12.2	13.2	13.8	13.7	12.9	12.3	12.0	12.8	12.5	12.4	12.5	12.0	12.3
Knoxville, Tenn	6.1	6.4	6.2	5.4	6.1	6.2	6.2	6.8	6.5	7.2	7.6	7.9	7.9	8.4	8.7	9.5	9.0	8.6	8.2	7.7	7.7	6.9	7.1	7.1	7.3
La Crosse, Wis	8.3	8.2	7.8	7.6	7.7	8.0	7.8	8.1	7.7	7.9	8.5	8.3	8.3	8.2	8.7	8.7	8.1	8.4	8.2	8.4	8.3	8.9	8.0	7.5	8.2
Lander, Wyo	3.0	3.0	2.8	2.7	2.7	2.8	3.3	2.9	2.9	2.6	2.1	2.4	3.4	4.2	5.1	5.1	4.9	4.9	4.4	3.6	3.1	3.2	2.9	2.5	3.4
Lexington, Ky	11.8	11.3	11.2	11.7	11.1	10.9	11.4	10.9	10.9	11.9	12.8	12.6	13.5	13.4	13.2	12.5	11.7	10.6	10.7	10.8	10.4	10.4	10 3	10.5	11.5
Little Rock, Ark	6.4	6.4	6.3	5.9	6.3	6.5	6.5	6.7	7.4	7.9	8.6	9.0	9.3	9.9	9.2	9.3	9.1	8.6	7.1	7.0	7.0	7.1	7.1	6.8	7.6
Los Angeles, Cal	2.1	2.5	2.3	2.3	2.5	2.4	2.7	3.3	2.7	2.5	2.8	2.8	3.4	3.7	3.6	4.2	4.5	4.9	5.4	5.0	3.8	2.7	2.5	1.9	3.2
Louisville, Ky	8.7	8.5	7.7	7.3	7.2	7.3	7.4	7.7	8.0	8.4	9.5	9.6	10.8	11.3	12.0	11.6	10.8	9.8	9.0	9.1	8.5	7.9	8.0	8.0	8.9
Lynchburg, Va	3.2	3.0	3.2	2.8	3.0	3.3	3.3	3.4	3.9	4.7	6.0	6.0	6.1	6.0	6.1	6.1	5.4	4.4	3.6	3.7	3.8	3.7	3.1	3.2	4.2
Macon, Ga	5.7	5.5	5.8	5.5	5.8	5.9	5.7	5.8	5.6	6.5	6.8	7.3	8.1	8.3	8.4	7.8	7.6	6.8	5.7	5.4	6.0	6.0	5.7	5.6	6.4
Marquette, Mich	12.7	11.8	11.8	12.0	12.4	12.6	13.1	13.0	13.8	13.7	13.8	13.9	14.1	13.1	12.8	12.7	12.5	11.8	12.1	12.6	13.1	13.3	12.9	12.8	12.9
Memphis, Tenn	10.2	10.5	9.9	10.0	10.2	9.7	9.3	9.0	9.8	11.1	10.9	11.0	11.1	10.3	10.5	10.0	10.4	10.1	9.2	9.8	10.1	10.4	10.8	10.6	10.2
Milwaukee, Wis	11.4	11.7	11.4	11.6	11.9	12.1	13.1	12.7	12.6	12.6	13.0	13.4	13.5	13.6	13.1	13.1	12.9	11.8	11.5	11.6	11.4	11.6	11.5	11.1	12.3
Minneapolis, Minn	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mobile, Ala	6.3	6.3	6.0	5.8	5.4	5.4	5.1	5.1	5.3	6.2	6.7	6.7	7.4	7.5	7.7	7.7	7.6	6.9	6.4	5.7	5.0	4.9	4.7	6.2	6.2
Montgomery, Ala	5.6	5.6	5.2	4.7	4.6	4.4	4.7	4.9	5.1	5.7	6.2	6.6	7.1	7.3	7.5	7.1	6.7	5.9	5.2	5.4	5.2	5.5	5.5	5.7	5.7
Moorhead, Minn	9.8	10.6	10.7	10.5	10.5	10.2	10.7	11.3	10.7	10.8	11.7	12.5	12.5	12.7	12.6	12.9	12.5	11.5	10.5	10.3	10.6	10.5	10.8	10.1	11.2
Mount Tamalpais, Cal	16.5	15.6	16.2	15.4	15.5	16.6	18.2	17.7	16.6	16.2	15.8	16.2	16.0	15.4	13.7	12.5	12.2	13.4	14.3	14.0	14.1	13.4	13.5	15.6	15.2
Nantucket, Mass	13.3	13.3	13.1	12.9	13.5	13.1	13.2	13.2	13.3	14.0	14.5	14.3	13.8	14.3	14.4	13.6	12.1	12.1	12.3	13.1	13.8	14.2	14.6	14.0	13.5
Nashville, Tenn	4.5	4.8	4.9	4.9	4.4	4.8	5.0	4.7	4.9	5.6	6.0	6.6	8.1	8.5	8.7	8.7	8.5	7.9	7.5	6.8	6.2	5.5	5.3	5.3	6.2
Neah, Wash	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Haven, Conn	9.2	9.0	8.1	8.7	9.4	9.3	9.5	9.6	9.8	10.4	11.3	11.3	11.8	12.5	12.7	13.0	11.5	9.9	9.9	9.2	9.0	8.8	8.7	8.9	10.1
New Orleans, La	7.8	7.3	6.8	6.9	6.6	6.3	6.7	6.6	7.5	8.4	8.2	8.4	8.5	8.7	8.6	8.6	8.0	7.5	6.5	6.6	7.2	7.1	8.0	8.3	7.5

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

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.
New York, N. Y.	15.8	15.9	15.0	15.6	16.3	16.7	16.9	16.9	16.5	16.5	17.7	17.7	18.8	19.1	18.8	19.2	18.5	17.4	18.4	18.3	17.6	17.4	18.4	17.1	17.4
Norfolk, Va.	8.6	8.4	8.3	8.1	8.0	7.9	8.2	7.8	8.1	9.1	10.1	10.3	10.8	10.3	11.1	11.8	11.2	10.3	10.3	9.6	9.9	9.4	9.3	9.7	9.4
Northfield, Vt.	9.5	9.1	9.1	8.8	8.8	8.6	9.5	9.5	9.7	9.5	10.8	10.8	12.1	12.9	13.0	10.9	10.5	10.7	11.2	10.3	9.8	9.6	9.9	9.5	10.2
North Platte, Nebr.	5.7	5.7	6.0	5.6	5.5	5.6	5.7	6.2	6.4	6.5	7.8	9.2	10.1	10.5	10.3	9.9	9.0	8.0	6.5	6.5	5.8	6.3	6.4	6.3	7.1
Oklahoma, Okla.	10.1	9.9	9.1	9.5	9.3	10.1	10.1	10.4	9.6	9.9	11.5	11.9	11.5	11.8	11.5	10.8	11.1	9.5	8.0	7.8	8.0	8.4	9.2	9.5	9.9
Omaha, Nebr.	7.9	7.9	7.0	7.7	7.8	7.8	8.0	8.6	9.3	9.2	10.2	10.4	10.8	10.7	11.0	11.3	11.2	10.1	9.0	8.9	9.1	8.6	8.5	8.1	9.1
Oswego, N. Y.	14.4	13.7	13.8	13.9	13.8	13.5	13.8	13.5	13.4	13.7	14.5	13.7	13.6	13.0	12.9	12.5	12.5	12.6	13.8	14.5	13.9	14.7	15.0	15.1	13.8
Palestine, Tex.	5.5	5.5	5.1	5.4	5.5	5.5	6.0	6.2	5.9	6.7	8.0	7.7	8.3	8.7	9.1	9.2	8.5	8.0	6.4	5.3	4.9	5.1	5.6	5.5	6.6
Parkersburg, W. Va.	6.5	6.5	6.4	6.6	6.1	6.5	6.4	6.3	6.2	7.1	8.1	8.2	9.0	9.5	9.6	9.5	9.1	7.9	7.0	7.0	6.9	7.4	6.8	7.0	7.4
Pensacola, Fla.	8.5	9.0	9.8	10.0	9.5	9.5	9.6	9.5	9.4	9.9	10.4	10.4	11.0	10.7	10.2	10.4	9.9	9.2	7.9	7.4	7.0	7.2	7.9	8.1	9.3
Phenix, Ariz.	2.9	3.2	3.5	3.5	3.6	3.5	3.9	3.7	3.5	4.0	3.9	3.8	4.2	3.6	3.5	3.4	3.2	3.6	3.4	2.4	2.3	2.5	2.5	2.7	3.4
Philadelphia, Pa.	9.1	9.2	9.0	9.3	9.3	9.1	9.7	9.6	10.1	10.6	11.2	11.7	12.1	11.8	12.1	11.6	11.1	10.2	10.0	9.7	9.3	9.1	8.5	8.8	10.1
Pierre, S. Dak.	7.2	6.9	7.5	7.6	7.8	8.2	8.4	8.1	8.4	7.9	9.9	11.0	12.5	12.8	13.4	13.6	12.3	10.1	8.5	7.9	7.4	7.3	7.0	7.2	9.1
Pittsburg, Pa.	7.1	7.0	7.3	7.5	6.9	6.5	6.9	6.7	7.1	7.5	7.8	8.5	8.5	8.8	9.1	9.2	8.5	7.9	7.5	7.5	7.7	7.5	7.0	6.9	7.6
Pocatello, Idaho	11.9	10.8	10.8	10.6	10.8	10.7	10.5	9.2	9.5	9.7	9.3	10.0	11.0	10.9	10.5	10.3	10.5	10.0	10.3	9.1	9.4	10.9	11.4	11.3	10.4
Point Reyes Lt., Cal.	14.9	13.6	12.4	12.0	12.0	12.2	12.8	13.1	13.9	13.9	13.9	14.3	13.6	12.9	12.4	13.2	13.1	13.2	13.8	13.6	14.7	15.1	15.0	15.2	13.5
Port Crescent, Wash.	3.2	3.3	3.1	2.7	2.5	2.7	3.2	3.5	3.4	3.5	3.4	2.8	2.9	2.9	3.3	4.4	4.5	3.8	3.7	3.5	3.0	3.2	3.0	3.1	3.3
Port Huron, Mich.	11.3	11.5	11.5	10.9	10.5	10.1	10.4	10.7	10.5	11.5	12.1	12.9	14.5	14.6	14.2	14.2	13.4	12.7	12.5	12.2	13.0	12.3	12.5	12.4	12.2
Portland, Me.	7.4	7.5	7.4	8.3	8.8	8.3	8.7	9.1	9.4	9.7	9.1	9.1	9.6	10.0	9.4	9.3	8.1	8.5	7.6	7.5	7.2	7.3	8.0	8.0	8.5
Portland, Oreg.	8.8	9.0	8.3	8.1	7.8	8.5	7.5	7.8	8.0	7.9	7.8	7.2	7.6	7.7	8.2	8.9	9.8	9.6	9.2	8.6	8.9	9.0	9.0	9.3	8.4
Pueblo, Colo.	5.2	5.5	6.6	6.6	6.3	5.9	6.4	6.3	6.3	5.3	5.9	6.8	7.2	7.4	7.4	7.2	7.7	8.1	7.7	5.8	4.6	4.2	4.5	5.3	6.3
Raleigh, N. C.	5.0	4.7	4.8	4.7	4.8	5.0	4.5	5.2	6.2	7.3	7.8	7.9	8.5	8.3	8.7	8.5	7.8	6.6	6.2	6.1	6.0	6.2	6.5	6.0	6.4
Rapid City, S. Dak.	6.0	5.8	6.3	6.2	6.2	7.2	8.0	8.0	7.0	7.1	7.0	7.7	8.8	10.3	10.9	11.8	10.2	9.0	6.9	6.1	6.2	6.8	6.1	6.5	7.6
Red Bluff, Cal.	3.8	4.1	4.2	4.7	4.3	4.3	4.3	4.4	4.4	4.9	4.6	4.8	5.1	4.8	4.9	6.0	5.8	5.8	5.7	4.9	4.2	3.7	3.5	3.6	4.6
Richmond, Va.	5.4	5.4	5.6	5.8	5.4	5.3	5.3	5.5	6.1	7.1	7.3	7.7	8.4	8.4	8.8	8.8	8.8	7.1	6.3	5.9	5.7	5.4	5.7	5.9	6.5
Rochester, N. Y.	9.4	9.5	9.5	8.6	9.7	9.9	9.3	9.4	9.8	9.7	10.1	10.3	10.9	10.9	10.3	10.0	8.6	9.2	9.2	9.0	9.2	9.3	9.2	9.8	9.6
Roseburg, Oreg.	2.4	2.6	2.1	2.0	2.5	2.4	2.5	2.3	2.5	2.5	2.7	2.8	2.8	3.2	3.1	3.1	3.2	3.6	3.5	3.1	2.5	3.0	2.0	2.5	2.7
Sacramento, Cal.	6.9	6.9	6.6	6.1	5.8	5.8	5.3	5.9	5.3	5.5	4.9	5.4	5.7	6.0	6.6	7.1	6.4	6.6	6.3	6.0	5.5	5.4	5.3	5.4	5.9
St. Louis, Mo.	10.9	11.0	10.6	10.7	10.8	10.6	10.5	11.0	10.9	10.8	11.5	11.9	12.0	11.8	12.5	12.4	12.1	11.4	10.9	10.7	10.8	10.8	11.1	11.0	11.2
St. Paul, Minn.	9.2	9.1	9.1	8.6	8.1	8.2	7.8	8.1	8.3	8.5	9.7	9.6	10.1	10.2	10.9	11.3	10.9	10.2	10.1	9.7	9.6	9.3	9.6	9.8	9.4
Salt Lake City, Utah.	2.3	2.2	2.2	2.7	2.8	3.3	3.0	2.4	2.6	2.7	2.5	2.3	3.4	4.5	5.2	5.4	5.8	5.9	5.7	4.2	3.0	2.3	2.3	2.3	3.4
San Antonio, Tex.	6.6	6.5	6.2	5.2	5.4	6.0	6.7	6.5	6.5	6.3	7.6	8.5	9.6	9.5	9.4	9.8	9.7	9.6	9.5	8.6	8.3	8.4	8.3	7.7	7.8
San Diego, Cal.	2.4	2.6	2.5	2.4	2.2	2.1	2.6	1.9	1.9	2.2	2.6	1.7	2.8	3.6	5.3	7.2	8.0	8.2	7.5	5.7	4.0	2.9	2.4	2.6	3.6
Sandusky, Ohio	9.8	9.4	8.9	8.9	8.8	8.8	8.7	8.5	8.6	8.9	10.1	10.1	11.2	10.9	10.9	10.4	10.6	9.8	9.6	10.4	10.6	11.2	10.6	10.1	9.8
Sandy Hook, N. J.	19.2	18.4	18.5	18.4	17.9	18.0	17.2	16.9	17.0	17.5	18.1	18.8	19.6	19.2	19.5	20.3	19.9	18.9	19.6	19.0	19.8	20.6	19.9	21.0	18.9
San Francisco, Cal.	7.1	6.6	6.8	7.3	7.6	7.3	6.6	6.7	6.8	6.6	6.9	7.2	7.5	7.9	7.2	7.4	8.9	8.6	8.1	7.7	6.8	6.6	6.8	6.6	7.2
San Luis Obispo, Cal.	4.4	3.7	4.2	3.9	3.9	3.8	3.9	4.4	4.5	4.1	4.4	4.9	4.8	5.5	5.7	6.1	7.1	7.0	6.8	6.5	6.1	5.0	4.9	4.4	5.0
Santa Fe, N. Mex.	4.5	4.4	4.4	4.5	4.6	5.0	5.6	5.0	5.6	6.2	6.5	7.7	9.3	10.3	9.8	9.3	9.5	8.8	7.5	4.4	4.5	4.5	4.0	5.1	6.3
Sault Ste. Marie, Mich	9.7	9.8	10.0	9.9	9.2	8.5	8.5	8.2	8.6	8.6	8.3	9.0	10.1	10.5	11.8	11.3	10.6	9.9	10.2	9.3	8.6	9.4	10.0	9.6	9.6
Savannah, Ga.	5.8	6.2	6.5	6.7	6.5	6.4	6.8	6.9	7.2	8.0	8.7	9.1	9.4	9.6	9.7	9.3	8.6	7.6	7.2	7.0	6.2	6.3	6.1	6.2	7.4
Seattle, Wash.	7.4	7.2	6.9	7.0	7.1	6.9	7.1	6.8	6.1	5.5	5.3	5.3	5.7	5.6	5.6	6.0	6.2	6.0	6.3	6.3	6.3	6.6	6.6	6.3	6.3
Shreveport, La.	6.1	6.4	6.0	5.9	5.9	5.1	6.1	6.1	6.1	6.6	7.2	7.0	7.8	7.7	8.0	8.0	8.3	7.6	6.8	6.8	6.9	6.6	6.5	6.2	6.7
Sioux City, Iowa	11.1	11.3	10.6	11.5	11.4	10.4	11.0	11.2	10.7	11.0	12.0	13.3	15.5	16.2	16.7	17.4	17.3	14.9	13.5	12.4	11.3	11.1	11.0	10.5	12.6
Spokane, Wash.	4.6	4.3	5.0	4.9	4.9	5.2	4.3	4.9	4.6	4.2	4.5	4.6	5.1	5.5	5.5	6.0	5.6	5.6	4.9	4.9	4.5	4.2	4.5	4.6	4.9
Springfield, Ill.	10.3	9.6	9.9	9.7	10.0	10.1	9.8	10.2	9.5	10.3	11.2	11.5	12.5	12.2	11.9	11.2	10.6	10.3	9.6	9.8	9.8	9.7	10.1	9.9	10.4
Springfield, Mo.	9.8	9.9	10.2	9.5	9.7	10.1	9.9	10.2	10.4	11.0	11.1	11.6	11.9	11.6	12.1	12.1	11.5	10.5	9.8	9.9	9.8	10.5	10.2	10.0	10.5
Tacoma, Wash.	6.0	5.9	5.7	4.9	5.2	4.5	4.8	4.9	5.0	4.7	4.4	4.6	4.7	5.0	5.4	5.6	5.8	6.3	6.5	5.7	5.6	6.6	5.8	6.2	5.4
Tampa, Fla.	5.6	5.5	5.9	5.8	5.6	5.6	5.8	5.5	6.2	7.3	8.0	8.4	8.5	8.8	8.6	8.4	7.9	6.3	5.2	4.8	5.0	4.9	4.6	5.0	6.4
Toledo, Ohio	11.3	10.7	10.5	9.8	10.3	10.6	10.1	10.1	10.5	10.9	12.3	13.0	13.9	14.0	13.6	13.2	12.3	11.9	12.0	12.0	11.7	11.5	11.6	11.5	11.6
Vicksburg, Miss.	6.8	6.4	6.7	6.9	7.0	7.3	7.1	6.7	7.3	7.3	7.0	7.1	7.3	8.4	7.8	8.0	7.3	6.8	5.6	6.2	6.3	6.4	6.7	6.9	7.0
Vineyard Haven, Mass	10.3	10.0	10.8	10.5	10.5	9.8	9.6	9.8	10.5	12.1	12.5	12.2	12.0	12.2	12.5	11.8	11.2	10.4	10.5	11.1	11.5	11.4	10.8	10.9	11.0
Walla Walla, Wash.	6.5	6.0	5.1	5.2	5.9	5.3	5.1	4.8	5.3	5.3	5.2	4.4	4.8	5.4	5.6	5.5	5.5	5.4	5.5	5.5	5.7	5.3	5.9	5.6	5.4
Washington, D. C.	6.4	6.5	6.0	6.5	5.8	5.6	6.0	6.0	6.7	7.8	9.2	10.3	10.7	10.5	10.6	9.8	8.5	6.9	6.4	6.5	6.5	7.2	7.2	6.8	7.5
Wichita, Kans.	6.9	8.2	8.3	7.9	7.7	7.5	7.3	6.7	7.0	7.3	8.3	8.5	9.1	9.4	10.0	10.2	9.8	9.1	7.5	6.6	6.3	6.6	6.4	6.4	7.9
Williston, N. Dak.	8.6	7.7	7.7	7.5	7.2	7.7	7.5	7.9	6.8	7.2	7.5	7.2	9.3	11.2	11.7	11.5	11.5	10.4	8.3	7.1	7.3	7.7	7.3	7.3	8.4
Wilmington, N. C.	7.3	6.9	6.9	6.6	7.4	6.7	6.3	7.2	8.1	8.2	9.1	9.1	9.1	10.0	10.5	11.2	10.0	7.9	7.0	7.5	7.2	7.5	7.7	7.5	8.0
Winnemucca, Nev.	7.9	8.0	8.1	8.2	9.1	8.4	8.2	8.6	9.2	9.6	9.7	9.3	10.4	10.3	10.6	9.7	10.5	9.9	9.0	8.0	7.4	7.1	7.3	7.5	8.8
Woods Hole, Mass.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Yankton, S. Dak.	8.3	8.1	8.1	7.0	7.5	7.6	7.9	8.2	7.6	8.0	9.3	10.4	11.9	11.5	11.8	12.0	11.3	9.8	8.4	7.4	7.5	7.9	7.5	8.0	8.9
West Indies.																									
Basseterre, St. Kitts.	10.0	10.1	10.0	10.1	9.9	9.8	10.0	11.6	12.5	12.8	12.9	12.9	12.6	12.2	12.0	11.3	10.5	9.6	9.9	10.3	10.2	10.0	10.4	9.8	10.9
Bridgetown, Bar.	5.9	6.0	5.7	5.7	5.5	5.2	6.5	10.4	12.7	13.7	13.7	13.3	13.3	12.9	12.5	11.5	9.3	6.7	6.2	6.5	6.2	5.8	6.0	5.8	8.6
Cienfuegos, Cuba	5.4	5.8	5.5	5.5	5.0	5.5	4.9	5.3	5.5	7.4	8.7	8.7	9.5	10.0	9.9	10.0	9.9	8.9	7.3	7.2	6.7	6.3	6.3	6.0	7.1
Havana, Cuba	7.3	7.4	7.2	7.5	7.4	6.8	6.9	6.4	7.5	10.0	12.5	13.4	13.3	14.1	14.8	15.0	14.6	13.0	11.5	11.0	10.1	9.6	8.9	8.0	10.2
Kingston, Jamaica*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port of Spain, Trin.	1.7	1.4	1.7	1.6	1.6	1.7	1.7	3.2	4.5	5.2	5.7	5.6	6.0	5.9	5.8	5.8	4.7	3.2	2.4	2.1	1.9	1.7	1.7	1.7	3.3
Puerto Principe, Cuba	4.3	4.5	4.3	4.1	3.6	4.1	4.0	4.4	6.4	9.2	10.0	10.1	10.0	9.4	9.4	9.5	9.3	7.6	5.9	5.7	5.7	5.5	5.3	4.8	6.5
Roseau, Dominica	4.8	4.3	4.1	4.2	3.9	3.8	3.9	4.3	5.7	6.6	7.0	7.1	7.2	7.5	7.5	7.1	6.1	5.1	4.6	4.5	5.1	4.5	4.8	4.9	5.4
San Juan, Puerto Rico	7.7	7.5	6.6	6.4	5.8	7.1	7.0	8.0	10.0	12.7	15.3	16.0	17.4	16.6	16.0	15.9	14.5	12.6	12.2	11.2	10.2	9.9	9.2	8.6	11.0
Santiago de Cuba	3.5	3.5	3.7	3.6	3.5	3.6	3.6	3.8	5.3	6.8	7.1	7.8	8.2	8.0	7.8	6.7	5.9	4.8	4.3	4.3	4.4	4.0	3.7	3.5	5.1
Santo Domingo, S. D.	4.5	4.7	5.0	5.0	5.2	5.0	5.0	5.1	6.1	6.0	6.4	6.7	6.5	6.7	6.8	6.7	6.2	5.1	4.4	4.6	4.6	4.4	4.5	4.5	5.4
Willemstad, Curaçao.	8.4	8.5	8.3	8.5	8.2	8.0	8.0	10.2	12.5	13.1	13.7	13.7	13.6	13.5	13.6	13.1	12.7	11.1	10.1	9.5	9.5	9.1	9.3	9.3	10.6

*Incomplete.

TABLE VI.—*Resultant winds from observations at 8 a. m. and 8 p. m., daily, during the month of January,* 1900.

Stations.	Component direction from— N.	S.	E.	W.	Resultant. Direction from—	Duration.
	Hours.	Hours.	Hours.	Hours.	°	Hours.
New England.						
Eastport, Me	16	13	10	34	n. 83 w.	24
Portland, Me	22	16	4	33	n. 78 w.	30
Northfield, Vt	23	34	1	8	s. 32 w.	13
Boston, Mass	17	16	7	33	n. 88 w.	26
Nantucket, Mass	25	20	9	24	n. 72 w.	16
Woods Hole, Mass	25	12	12	26	n. 47 w.	19
Block Island, R. I	19	14	11	35	n. 78 w.	24
New Haven, Conn	29	11	13	23	n. 29 w.	21
Middle Atlantic States.						
Albany, N. Y	18	25	5	20	s. 65 w.	17
Binghamton, N. Y.†	12	9	2	17	n. 79 w.	15
New York, N. Y	25	14	12	28	n. 56 w.	19
Harrisburg, Pa.†	9	6	10	14	n. 53 w.	5
Philadelphia, Pa	26	12	11	27	n. 49 w.	21
Atlantic City, N. J	20	18	10	32	n. 85 w.	22
Cape May, N. J	24	16	10	27	n. 65 w.	19
Baltimore, Md	15	15	17	29	w.	12
Washington, D. C	25	17	12	22	n. 51 w.	13
Lynchburg, Va	26	15	15	37	n. 47 w.	16
Norfolk, Va	20	23	16	18	s. 34 w.	4
Richmond, Va	22	23	9	17	s. 83 e.	8
South Atlantic States.						
Charlotte, N. C	21	20	19	18	n. 45 e.	1
Hatteras, N. C	32	14	12	22	n. 29 w.	21
Raleigh, N. C	27	17	9	25	n. 58 w.	19
Wilmington, N. C	23	13	16	22	n. 31 w.	12
Charleston, S. C	29	10	12	21	n. 25 w.	21
Augusta, Ga	20	10	8	36	n. 70 w.	30
Savannah, Ga	27	12	12	20	n. 28 w.	17
Jacksonville, Fla	35	5	21	18	n. 6 e.	30
Florida Peninsula.						
Jupiter, Fla	23	10	18	37	n. 56 w.	23
Key West, Fla	35	7	24	10	n. 27 e.	31
Tampa, Fla	37	5	14	21	n. 12 w.	33
Eastern Gulf States.						
Atlanta, Ga	19	14	18	30	n. 67 w.	13
Macon, Ga	15	3	4	13	n. 37 w.	15
Pensacola, Fla.†	18	2	13	6	n. 24 e.	18
Mobile, Ala	35	11	12	20	n. 18 w.	25
Montgomery, Ala	20	9	24	19	n. 24 e.	12
Meridian, Miss.†	10	7	10	11	n. 18 w.	8
Vicksburg, Miss	22	18	23	12	n. 70 e.	12
New Orleans, La	31	10	17	15	n. 5 e.	21
Western Gulf States.						
Shreveport, La	17	20	20	18	s. 67 e.	8
Fort Smith, Ark	17	11	24	17	n. 34 e.	7
Little Rock, Ark	23	21	12	23	n. 80 w.	11
Corpus Christi, Tex	27	16	26	8	n. 59 e.	21
Fort Worth, Tex†	11	10	7	10	n. 72 w.	3
Galveston, Tex	23	18	28	10	n. 74 e.	19
Palestine, Tex	25	25	17	8	e.	9
San Antonio, Tex	29	18	26	5	n. 62 e.	24
Ohio Valley and Tennessee.						
Chattanooga, Tenn	13	24	14	26	s. 47 w.	16
Knoxville, Tenn	23	16	21	22	n. 8 w.	7
Memphis, Tenn	19	25	15	19	s. 34 w.	7
Nashville, Tenn	19	22	14	21	s. 67 w.	8
Lexington, Ky	4	17	8	13	s. 21 w.	14
Louisville, Ky	14	30	9	25	s. 45 w.	23
Evansville, Ind.†	10	14	5	8	s. 37 w.	5
Indianapolis, Ind	19	20	10	25	s. 86 w.	15
Cincinnati, Ohio	16	24	17	23	s. 37 w.	10
Columbus, Ohio	11	23	15	28	s. 47 w.	18
Pittsburg, Pa	17	22	10	29	s. 75 w.	20
Parkersburg, W. Va	14	29	11	22	s. 36 w.	19
Elkins, W. Va	13	19	5	35	s. 79 w.	31
Lower Lake Region.						
Buffalo, N. Y	15	21	10	31	s. 74 w.	22
Oswego, N. Y	15	31	16	17	n. 3 w.	16
Rochester, N. Y	12	24	6	37	s. 69 w.	33
Erie, Pa	18	20	7	29	s. 85 w.	22
Cleveland, Ohio	12	21	14	20	s. 34 w.	11
Sandusky, Ohio	11	21	15	30	s. 56 w.	18
Toledo, Ohio	11	23	12	28	s. 53 w.	20
Detroit, Mich	13	22	12	28	s. 61 w.	18
Upper Lake Region.						
Alpena, Mich	21	17	5	33	n. 82 w.	28
Escanaba, Mich	24	20	4	33	n. 82 w.	29
Grand Haven, Mich	24	15	17	21	n. 24 w.	10
Marquette, Mich	14	25	5	32	s. 68 w.	30
Port Huron, Mich	14	23	9	23	s. 57 w.	17
Sault Ste. Marie, Mich	14	20	24	18	s. 45 e.	8
Chicago, Ill	17	17	15	28	w.	13
Milwaukee, Wis	15	16	9	34	s. 88 w.	25
Green Bay, Wis	16	27	6	27	s. 62 w.	24
Duluth, Minn	18	22	4	40	s. 84 w.	36
North Dakota.						
Moorhead, Minn	18	25	13	36	s. 62 w.	15
Bismarck, N. Dak	25	13	10	33	n. 61 w.	26
Williston, N. Dak	5	0	60	0	n. 86 e.	60
Upper Mississippi Valley.						
St. Paul, Minn	20	22	10	28	s. 84 w.	18
La Crosse, Wis.†	9	12	2	11	s. 72 w.	10
Davenport, Iowa	17	16	8	35	n. 88 w.	27
Des Moines, Iowa	25	14	14	21	n. 32 w.	13
Dubuque, Iowa	19	19	9	29	w.	20
Keokuk, Iowa	24	18	9	27	n. 72 w.	19
Cairo, Ill	18	27	11	20	s. 45 w.	13
Springfield, Ill	26	18	7	24	n. 65 w.	19
Hannibal, Mo	11	8	4	13	n. 72 w.	10
St. Louis, Mo	19	19	14	22	w.	8
Missouri Valley.						
Columbia, Mo.*	10	9	7	12	n. 79 w.	5
Kansas City, Mo	24	22	12	23	n. 80 w.	11
Springfield, Mo	20	27	14	17	s. 23 w.	8
Lincoln, Nebr	23	24	10	16	s. 80 w.	6
Omaha, Nebr	27	19	12	19	n. 41 w.	11
Sioux City, Iowa†	11	12	4	10	s. 80 w.	6
Pierre, S. Dak	22	17	15	24	n. 54 w.	9
Huron, S. Dak	18	21	14	25	s. 75 w.	11
Yankton, S. Dak†	9	4	6	15	n 61 w.	10
Northern Slope.						
Havre, Mont	11	16	7	44	s. 82 w.	37
Miles City, Mont	16	24	5	27	s. 70 w.	23
Helena, Mont	12	28	3	36	s. 64 w.	37
Kalispell, Mont	24	17	3	21	n. 69 w.	19
Rapid City, S. Dak	25	9	11	33	n. 54 w.	27
Cheyenne, Wyo	27	12	2	35	n. 66 w.	36
Lander, Wyo	11	30	14	26	s. 32 w.	22
North Platte, Nebr	19	11	5	37	n. 76 w.	33
Middle Slope.						
Denver, Colo	17	27	10	21	s. 48 w.	15
Pueblo, Colo	22	7	22	26	n. 15 w.	16
Concordia, Kans	17	30	10	16	s. 25 w.	14
Dodge, Kans	32	14	9	22	n. 36 w.	22
Wichita, Kans	32	20	10	13	n. 14 w.	12
Oklahoma, Okla	26	26	11	10	e.	1
Southern Slope.						
Abilene, Tex	20	25	15	19	s. 39 w.	6
Amarillo, Tex	27	20	8	18	n. 55 w.	12
Southern Plateau.						
El Paso, Tex	21	8	13	34	n. 59 w.	25
Santa Fe, N. Mex	29	20	21	4	n. 62 e.	19
Flagstaff, Ariz	21	12	22	21	n. 6 e.	9
Phenix, Ariz	13	9	28	22	n. 56 e.	7
Yuma, Ariz	38	6	17	12	n. 9 e.	32
Independence, Cal	23	22	9	22	n. 86 w.	13
Middle Plateau.						
Carson City, Nev	18	19	18	24	s. 80 w.	6
Winnemucca, Nev	22	13	22	17	n. 29 e.	10
Cedar City, Utah	14	26	25	14	s. 43 e.	16
Salt Lake City, Utah	22	15	13	26	n. 62 w.	15
Grand Junction, Colo	21	16	27	14	n. 69 e.	14
Northern Plateau.						
Baker City, Oreg	7	40	16	11	s. 9 e.	33
Boise, Idaho	15	19	15	30	s. 75 w.	16
Pocatello, Idaho	15	30	13	16	s. 11 w.	15
Spokane, Wash	16	27	19	13	s. 29 e.	12
Walla Walla, Wash	7	40	4	20	s. 23 w.	40
North Pacific Coast Region.						
Neah, Wash	.....	.....	.....	.....	.....	.....
Port Crescent, Wash.*	9	11	14	11	s. 15 e.	11
Seattle, Wash	14	35	23	3	s. 61 e.	23
Tacoma, Wash	10	35	7	18	s. 24 w.	17
Astoria, Oreg	15	17	34	13	s. 85 e.	21
Portland, Oreg	14	28	20	15	s. 20 e.	15
Roseburg, Oreg	21	14	20	23	n. 23 w.	8
Middle Pacific Coast Region.						
Eureka, Cal	21	21	22	15	e.	7
Mount Tamalpais, Cal	24	19	21	16	n. 45 e.	7
Red Bluff, Cal	23	22	17	16	n. 45 e.	1
Sacramento, Cal	17	33	26	5	s. 58 e.	26
San Francisco, Cal	31	15	12	16	n. 14 w.	16
South Pacific Coast Region.						
Fresno, Cal	31	8	12	33	n. 42 w.	31
Los Angeles, Cal	20	10	13	29	n. 58 w.	19
San Diego, Cal	28	10	11	27	n. 42 w.	24
San Luis Obispo, Cal	34	12	5	12	n. 18 w.	23
West Indies.						
Basseterre, St. Kitts Island	21	0	53	0	n. 69 e	57
Bridgetown, Barbados	28	2	50	0	n. 63 e.	56
Cienfuegos, Cuba	45	6	20	5	n. 21 e.	42
Havana, Cuba	22	9	35	8	n. 64 e.	30
Kingston, Jamaica‡	.....	.....	.....	.....	.....	.....
Port of Spain, Trinidad	24	7	42	3	n. 66 e.	42
Puerto Principe, Cuba	39	5	30	4	n. 38 e.	43
Roseau, Dominica, W. I	23	6	44	6	n. 66 e.	42
San Juan, Puerto Rico	5	27	45	2	s. 63 e.	48
Santiago de Cuba, Cuba	35	17	19	6	n. 36 e.	22
Santo Domingo, S. Domingo, W. I.	48	5	11	5	n. 8 e.	43
Willemstad, Curaçao	5	0	60	0	n. 85 e.	60

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

TABLE VII.—*Thunderstorms and auroras, January*, 1900.

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	5	2							3	1													14	5	T.
		A.																																0	0	A.
Arizona	56	T.		1		1				3						1																		6	4	T.
		A.																																0	0	A.
Arkansas	57	T.									5							7	3					2	2									19	5	T.
		A.																																0	0	A.
California	167	T.	1						1																									2	2	T.
		A.																																0	0	A.
Colorado	81	T.																																0	0	T.
		A.								1																1								2	2	A.
Connecticut	21	T.																																0	0	T.
		A.																																0	0	A.
Delaware	5	T.																																0	0	T.
		A.																																0	0	A.
Dist. of Columbia	4	T.																																0	0	T.
		A.																																0	0	A.
Florida	47	T.										2	8												1	2						1		14	5	T.
		A.																																0	0	A.
Georgia	55	T.										5	11						5	1													1	23	5	T.
		A.																																0	0	A.
Idaho	34	T.																																0	0	T.
		A.																					1											1	1	A.
Illinois	92	T.																	1															1	1	T.
		A.																				4									1			5	2	A.
Indiana	58	T.																																0	0	T.
		A.																																0	0	A.
Indian Territory	11	T.																																0	0	T.
		A.																																0	0	A.
Iowa	149	T.																																0	0	T.
		A.																				5		1										6	2	A.
Kansas	77	T.																						5										5	1	T.
		A.																													1			1	1	A.
Kentucky	41	T.																		3														3	1	T.
		A.																																0	0	A.
Louisiana	46	T.																		1	2	1	6	2	2	9	2					1		26	9	T.
		A.																																0	0	A.
Maine	19	T.																																0	0	T.
		A.																																0	0	A.
Maryland	48	T.											4									6												10	2	T.
		A.																																0	0	A.
Massachusetts	48	T.																																0	0	T.
		A.																																0	0	A.
Michigan	106	T.																								10								10	1	T.
		A.					1							1								5	1											8	4	A.
Minnesota	67	T.																																0	0	T.
		A.			1	1	2															12				1		2						19	6	A.
Mississippi	44	T.									3	6	3						3															15	4	T.
		A.																																0	0	A.
Missouri	95	T.																3	2					3										8	3	T.
		A.																																0	0	A.
Montana	40	T.																																0	0	T.
		A.					1													1		3	2		1	2	2	1						13	8	A.
Nebraska	142	T.																																0	0	T.
		A.																				1												1	1	A.
Nevada	40	T.																																0	0	T.
		A.																																0	0	A.
New Hampshire	19	T.																																0	0	T.
		A.																																0	0	A.
New Jersey	51	T.																																0	0	T.
		A.																1																1	1	A.
New Mexico	31	T.								3																								3	1	T.
		A.																																0	0	A.
New York	99	T.																				1	1											2	2	T.
		A.																																0	0	A.
North Carolina	56	T.										1	6	4						1	1	1												14	6	T.
		A.																																0	0	A.
North Dakota	48	T.																																0	0	T.
		A.			1																	2	1			1		1					1	7	6	A.
Ohio	128	T.																																0	0	T.
		A.																																0	0	A.
Oklahoma	23	T.																																0	0	T.
		A.																																0	0	A.
Oregon	74	T.			2				2																									4	2	T.
		A.																																0	0	A.
Pennsylvania	91	T.																																0	0	T.
		A.																																0	0	A.
Rhode Island	7	T.																																0	0	T.
		A.																																0	0	A.
South Carolina	46	T.										2	7	1				1	2															13	5	T.
		A.																																0	0	A.
South Dakota	56	T.																																0	0	T.
		A.					1		1													9	1											12	4	A.
Tennessee	56	T.										1	5							9		1												16	4	T.
		A.																																0	0	A.
Texas	95	T.					4	1		4	14	14	1					8	3															49	8	T.
		A.																																0	0	A.
Utah	47	T.																																0	0	T.
		A.																								1								1	1	A.
Vermont	16	T.																																0	0	T.
		A.																																0	0	A.
Virginia	50	T.											4	1								3												8	3	T.
		A.																																0	0	A.
Washington	64	T.			1																													1	1	T.
		A.																																0	0	A.
West Virginia	48	T.																																0	0	T.
		A.																																0	0	A.
Wisconsin	60	T.																																0	0	T.
		A.																				7	1					1						9	3	A.
Wyoming	31	T.																																0	0	T.
		A.																															1	1	1	A.
Sums	2,893	T.	1	1	3	1	4	1	3	10	25	36	51	6	0	1	0	19	19	18	4	13	7	12	5	21	2	0	0	0	0	2	1	266	....	T.
		A.	0	0	2	1	5	0	1	1	0	0	0	1	0	0	0	1	0	1	0	48	7	1	1	6	2	5	0	0	2	0	2	87	....	A.

TABLE VIII.—*Average hourly sunshine (in percentages), January,* 1900.

Stations.	Instrument.	Percentages for each hour of local mean time ending with the respective hour.																Hours of sunshine.			
		A. M.								P. M.								Total.			Personal estimate.
		5	6	7	8	9	10	11	Noon	1	2	3	4	5	6	7	8	Actual.	Possible.	Percent of possible.	
																		Hours.	*Hours.*		
Albany, N. Y	T.				10	19	40	51	63	63	60	47	41	35	22			130.3	292.7	45	32
Atlanta, Ga	T.			70	42	53	59	69	68	64	65	71	60	45	44			187.8	316.2	59	52
Atlantic City, N. J	T.				48	56	69	69	76	75	70	72	54	45	37			193.4	303.8	64	50
Baltimore, Md	T.				21	34	56	57	72	69	64	56	49	37	63			159.6	303.8	53	38
Binghamton, N. Y	T.				5	10	21	30	39	42	40	31	22	15	15			78.3	295.5	26	21
Bismarck, N. Dak	P.				53	50	52	62	62	60	63	64	56	50	0			161.1	279.9	58	55
Boston, Mass	T.				39	40	44	53	60	63	69	57	48	41	31			153.5	295.5	52	41
Buffalo, N. Y	T.				19	25	48	63	55	57	54	48	35	17	0			127.2	292.7	43	19
Cedar City, Utah	T.				49	55	70	84	87	92	93	85	72	50	63			226.9	306.5	74	56
Charleston, S. C	T.			22	51	55	65	63	71	61	53	55	54	45	40			180.6	318.5	57	55
Chattanooga, Tenn	T.			0	26	28	36	54	60	54	56	49	48	33	38			143.0	314.6	45	50
Cheyenne, Wyo	P.				57	71	78	83	71	72	80	75	69	69	65			218.2	298.4	73	59
Chicago, Ill	T.				22	29	32	35	44	49	47	37	39	34	38			110.8	295.5	37	36
Cincinnati, Ohio	T.				37	38	35	46	45	52	54	55	51	43	60			139.7	303.8	46	43
Cleveland, Ohio	T.				7	5	13	26	31	31	29	26	14	10	8			58.3	295.5	20	24
Columbia, Mo	T.				63	65	65	64	68	62	64	66	61	53	80			192.1	303.8	63	47
Columbus, Ohio	T.				24	22	30	46	50	44	47	47	41	41	58			119.5	301.1	40	35
Denver, Colo	P.				66	72	77	83	84	90	88	81	78	63	75			236.8	301.1	79	70
Des Moines, Iowa	T.				40	37	45	59	64	66	64	65	59	52	62			164.4	295.5	56	45
Detroit, Mich	T.				7	15	25	29	38	41	42	29	18	15	31			79.8	295.5	27	23
Dodge, Kans	P.				67	68	70	72	72	71	76	81	77	75	69			223.7	306.5	73	65
Dubuque, Iowa	T.				38	33	36	49	51	54	54	42	38	44	46			130.0	295.5	44	51
Eastport, Me	P.				34	39	42	45	49	51	48	44	42	38	33			125.6	286.7	44	35
Elkins, W. Va	T.				7	6	20	36	45	45	45	45	25	13	13			88.7	303.8	29	32
Erie, Pa	T.				10	11	16	23	29	30	31	25	17	13	8			62.3	295.5	21	19
Escanaba, Mich	T.				3	5	9	16	30	28	32	20	15	11	0			50.8	283.1	18	17
Eureka, Cal	P.				24	31	41	50	48	51	54	48	42	38	59			129.5	298.4	43	35
Fresno, Cal	T.				6	7	8	13	15	17	22	25	22	17	6			46.6	309.0	15	16
Galveston, Tex	P.			18	32	42	49	48	46	55	61	63	66	54	23			164.2	326.8	50	42
Grand Junction, Colo	P.				74	66	73	74	71	74	71	74	70	72	90			219.1	303.8	72	63
Harrisburg, Pa	T.				27	29	42	50	48	46	43	37	37	29	25			118.2	301.1	39	34
Helena, Mont	P.				17	25	48	61	51	57	57	58	46	36	0			134.3	279.9	48	43
Huron, S. Dak	T.				56	52	48	61	67	69	72	71	65	65	67			182.5	289.7	63	53
Indianapolis, Ind	T.				40	51	54	59	61	58	55	57	45	39	58			157.3	301.1	52	37
Jacksonville, Fla	T.			25	30	37	52	60	62	65	65	57	44	33	30			160.6	325.0	49	51
Jupiter, Fla	T.			13	18	48	61	74	71	74	71	57	44	38	36			178.9	330.9	54	43
Kalispell, Mont	T.				16	17	28	31	36	44	47	44	33	31				94.3	276.2	34	34
Kansas City, Mo	P.				51	52	56	53	56	57	63	69	65	62	83			178.7	303.8	59	58
Key West, Fla	T.			39	40	48	57	71	75	75	79	73	60	55	55			208.7	334.2	62	48
Knoxville, Tenn	T.				20	20	35	53	56	54	58	45	35	32	41			128.2	311.8	41	41
Lexington, Ky	T.				12	33	42	45	54	52	52	47	39	28	15			125.0	306.5	41	39
Little Rock, Ark	T.			100	29	34	46	56	60	57	54	50	44	30	33			144.3	314.6	46	42
Los Angeles, Cal	P.			0	47	61	67	71	68	69	75	75	68	46	46			203.5	316.2	64	51
Louisville, Ky	T.				33	33	47	52	61	58	62	55	50	25	33			145.7	306.5	48	45
Macon, Ga	T.			50	30	41	61	66	68	74	66	62	51	45	44			178.6	318.5	56	53
Meridian, Miss	T.			75	29	28	38	53	56	58	53	52	47	45	46			147.4	320.5	46	45
Mount Tamalpais, Cal	P.				44	48	50	49	55	56	63	65	62	52	46			167.5	306.5	55	42
Nashville, Tenn	T.				17	24	40	47	55	56	55	54	50	34	37			135.2	311.8	43	40
New Haven, Conn	T.				54	58	62	69	72	76	75	68	49	39	41			186.5	298.4	62	55
New Orleans, La	T.			21	13	17	32	40	54	57	53	46	20	17	33			112.8	324.9	35	48
New York, N. Y	T.				48	54	65	69	75	76	69	59	51	36	53			181.4	298.4	61	50
Norfolk, Va.*	T.				27	54	61	68	68	65	66	68	62	43	34			151.7	260.5	58	55
Northfield, Vt	P.				32	33	43	43	38	37	40	42	28	17	10			103.5	289.7	36	28
Oklahoma, Okla	T.			0	49	52	60	62	65	68	68	64	61	54	60			189.9	314.6	60	52
Omaha, Nebr	T.				37	35	44	57	70	73	71	69	51	43	59			166.8	298.4	56	55
Parkersburg, W. Va	T.				20	19	40	45	57	63	63	46	40	26	40			129.4	303.8	43	40
Phenix, Ariz	P.			100	59	71	81	86	86	85	82	87	80	63	59			246.5	318.5	77	65
Philadelphia, Pa	T.				58	60	63	65	76	74	67	53	51	42	54			184.1	301.1	61	43
Pittsburg, Pa	T.				18	18	23	27	30	38	41	35	23	19	12			82.2	298.4	28	33
Pocatello, Idaho	T.				32	30	43	50	52	62	62	56	48	43	67			142.2	292.7	49	40
Portland, Me	T.				32	42	49	56	58	61	65	65	48	33	33			150.7	289.7	52	39
Portland, Oreg	T.				13	14	24	34	42	49	43	37	35	38	45			95.8	283.1	34	30
Pueblo, Colo	T.				64	65	79	84	84	84	83	79	71	60	67			230.9	306.5	75	68
Raleigh, N. C	T.				41	53	60	61	71	73	75	67	58	47	42			188.7	311.8	61	54
Rochester, N. Y	T.				6	7	18	29	39	35	40	45	35	21	22			83.8	292.7	29	25
St. Louis, Mo	T.				39	46	55	65	69	74	71	62	50	36	53			173.6	303.8	57	42
St. Paul, Minn	P.				26	32	50	54	54	53	52	52	42	34	67			132.4	286.7	46	43
Salt Lake City, Utah	P.				45	45	46	50	55	58	57	61	52	53	76			156.6	298.4	52	50
San Diego, Cal	P.			0	47	51	64	82	80	81	84	79	74	65	66			224.7	318.5	71	63
San Francisco, Cal	T.				22	24	33	41	59	67	68	67	50	43	41			146.8	306.5	48	42
Santa Fe, N. Mex	P.				81	85	91	88	89	90	90	91	87	71	78			268.8	311.8	86	77
Sault Ste. Marie, Mich	T.				9	10	25	36	37	40	30	19	13	14	0			69.5	283.1	25	23
Savannah, Ga	T.			50	42	44	50	66	61	57	57	56	48	45	43			167.6	320.5	52	50
Seattle, Wash	T.				16	12	26	26	32	42	39	32	25	26				78.9	276.2	29	32
Spokane, Wash	T.				18	13	14	23	29	38	34	35	27	31				73.0	276.2	26	24
Tacoma, Wash	T.				13	15	30	30	36	45	35	30	25	24	0			82.9	279.9	30	21
Tampa, Fla	T.			30	29	49	65	74	74	73	68	60	45	25	25			179.2	328.7	55	39
Toledo, Ohio	T.				7	22	39	41	48	56	48	42	31	17	15			107.7	295.5	36	32
Topeka, Kans	T.				48	51	56	61	59	65	66	62	56	55	53			176.6	303.8	58	50
Vicksburg, Miss	T.			50	36	51	52	67	67	72	70	66	62	48	42			187.8	320.5	59	47
Washington, D. C	P.				44	49	57	64	64	66	66	66	54	49	47			176.8	303.8	58	56
Wilmington, N. C	T.			0	38	48	65	70	70	73	74	65	53	44	38			188.6	316.2	60	55
Yankton, S. Dak	T.				44	50	60	65	70	69	63	67	62	52	67			179.3	292.7	61	53
Basseterre, St. Kitts	T.			43	48	79	88	97	96	93	96	93	94	81	70			291.4	348.9	84	54
Bridgetown, Barbados	T.			37	63	70	82	91	86	80	76	66	68	65	47	0		251.8	355.5	71	40
Cienfuegos, Cuba	T.			52	52	64	72	80	75	75	73	66	54	51	53			221.0	340.6	65	55
Havana, Cuba	T.			42	40	52	59	65	66	58	52	49	42	30	21			167.5	338.3	50	37
Kingston, Jamaica, W. I	T.																				
Port of Spain, Trinidad, W. I	T.			63	62	71	74	76	77	73	58	54	53	51	37	50		224.0	359.0	62	47
Puerto Principe, Cuba	T.			32	36	61	69	67	68	56	49	41	33	25	24			164.6	342.1	48	41
Roseau, Dominica, W. I	T.			10	20	52	69	75	62	66	70	75	76	72	48			211.4	352.5	60	52
San Juan, Puerto Rico	T.			18	41	69	84	95	93	91	86	77	65	53	22			241.1	347.5	69	60
Santiago de Cuba, Cuba	T.			69	69	70	68	79	89	85	78	69	55	41	33			233.6	344.0	68	50
Santo Domingo, Santo Domingo	T.			57	56	59	75	77	69	67	71	64	55	59	63			224.6	347.5	65	61
Willemstad, Curaçao	T.			10	11	43	47	66	56	55	60	50	43	26	16	18		148.1	357.6	41	45

* All values for 26 days.

TABLE IX.—*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 January, 1900, at all stations furnished with self-registering gages.*

Stations.	Date.	Total duration.		Total am't 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.	20-21			0.86														*			
Atlanta, Ga.	10-11			0.84														0.46			
Atlantic City, N. J.	20			0.78														*			
Baltimore, Md.	11-12			1.03														*			
Binghamton, N. Y.	19-20			0.26														0.06			
Bismarck, N. Dak.	14-15			0.20														*			
Boise, Idaho	13-14			0.47														0.11			
Boston, Mass.	11-12			0.65														0.54			
Buffalo, N. Y	20			1.00														0.20			
Cairo, Ill.	19-20			1.10														0.10			
Charleston, S. C.	18			0.64														0.46			
Chicago, Ill.	17-18			0.88														*			
Cincinnati, Ohio	18			0.35														0.26			
Cleveland, Ohio	11			1.09														0.22			
Columbia, Mo.	17			1.27														0.17			
Columbus, Ohio	19-20			1.75														0.32			
Denver, Colo.	15-16			0.11														0.01			
Des Moines, Iowa	8-9			0.18														*			
Detroit, Mich.	11			0.46														*			
Dodge, Kans	9			0.14														0.05			
Duluth, Minn.	13			0.24														*			
Eastport, Me.	20-21			1.72														0.37			
Elkins, W. Va.	19-20			0.70														0.21			
Erie, Pa.	11-12			0.94														*			
Escanaba, Mich.	9			0.23														0.08			
Evansville, Ind	11			0.69														0.12			
Fort Worth, Tex.	10-11			0.36														0.11			
Fresno, Cal.	2-3			1.28														0.21			
Galveston, Tex.	10			0.82														0.60			
Grand Junction, Colo.	15			0.13														*			
Hannibal, Mo.	16-18			1.49														0.19			
Harrisburg, Pa	10-11			0.78														0.15			
Hatteras, N. C.	11-12			1.14											0.45						
Huron, S. Dak.	10			0.02														*			
Indianapolis, Ind.	11			0.54														0.09			
Jacksonville, Fla.	11			0.47														0.28			
Jupiter, Fla.	11-12			1.01														0.59			
Kalispell, Mont	9-10			0.30														*			
Kansas City, Mo.	9			0.15														0.12			
Key West, Fla.	19			0.73														0.66			
Knoxville, Tenn	11			0.73														0.20			
Lexington, Ky.	11			0.84														0.10			
Lincoln, Nebr.	8-9			0.13														*			
Little Rock, Ark.	17			0.86														0.28			
Los Angeles, Cal.	3			1.16														0.24			
Louisville, Ky.	11			1.26														0.14			
Macon, Ga.	11			0.92														0.25			
Memphis, Tenn.	17-18			0.42														0.32			
Meridian, Miss.	10-11			1.73														0.25			
Milwaukee, Wis.	17-18			0.68														0.10			
Montgomery, Ala	10-11			2.20														0.71			
Nantucket, Mass.	20			0.77														0.27			
Nashville, Tenn.	18-19			0.57														0.20			
New Orleans, La.	10-11	1.45 p.m.	1.00 a.m.	2.73	1.55 p.m.	2.25 p.m.	0.02	0.12	0.23	0.39	0.56	0.70	0.80								
New York, N. Y.	11-12			2.11														0.42			
Norfolk, Va.	19-20			0.87														0.33			
Northfield, Vt.	20-21			0.52														0.06			
Oklahoma, Okla.	9-10			0.15														0.08			
Omaha, Nebr.	8-9			0.14														0.06			
Parkersburg, W. Va.	18			1.11														0.23			
Philadelphia, Pa.	11-12			2.05														0.33			
Pittsburg, Pa.	11			0.50														*			
Pocatello, Idaho	14			0.22														0.06			
Portland, Me.	28-29			1.84														0.41			
Portland, Oreg.	12			0.74														0.20			
Raleigh, N. C.	11			1.02														0.41			
Richmond, Va.	11			0.87														0.30			
Rochester, N. Y.	20			1.11														0.28			
St. Louis, Mo.	17			0.27														0.11			
St. Paul, Minn.	13			0.15														0.14			
Salt Lake City, Utah	8			0.19														*			
San Diego, Cal.	3-4			0.66														0.17			
San Francisco, Cal.	2-3			1.56														0.35			
Savannah, Ga.	17-18			2.13														0.44			
Seattle, Wash.	5			0.50														0.20			
Spokane, Wash.	2-3			0.42														*			
Tampa, Fla.	11-12	2.38 p.m.	1.15 a.m.	1.24	4.45 p.m.	5.10 p.m.	0.34	0.08	0.21	0.33	0.40	0.70	0.74								
Vicksburg	10-11			1.12														0.34			
Washington, D. C.	11-12			0.93														0.20			
Wilmington, N. C.	11	11.50 a.m.	4.55 p.m.	1.67	4.12 p.m.	4.40 p.m.	1.13	0.19	0.31	0.45	0.47	0.49	0.54								
Do	18-19	6.25 p.m.	8.25 a.m.	2.74	5.20 a.m.	6 30 a.m.	1.51	0.09	0.11	0.16	0.23	0.30	0.36	0.41	0.48	0.52	0.55	0.82	0.96	1.11	1.23
Yankton, S. Dak	1			0.02														*			
Basseterre, St. Kitts	31			0.15									0.14								
Bridgetown, Barbados	7			0.24														0.10			
Cienfuegos, Cuba	12			0.32							0.32										
Havana, Cuba	19-20			1.02														0.47			
Port of Spain, Trin.	22			2.23														0.49			
Puerto Principe, Cuba	24	1.47 p.m.	3.25 p.m.	0.77	2.14 p.m.	2.29 p.m.	0.15	0.29	0.46	0.55	0.56	0.58									
Do	28	2.18 p.m.	5.15 p.m.	1.34	2.30 p.m.	2.47 p.m.	0.03	0.28	0.53	0.57	0.63										
Roseau, Dom., W. I.	4-5			0.19														0.10			
San Juan, Puerto Rico.	27			0.75														0.54			
Santiago de Cuba	24			0.35							0.35										
Santo Domingo, S. D.	6	11.00 a.m.	5.55 p.m.	1.50	1.10 p.m.	2.00 p.m.	0.16	0.10	0.26	0.46	0.64	0.77	0.83	0.90	0.96	1.01	1.04	1.09	1.13		
Willemstad, Curaçao.	6			0.25											0.25						

* Self-register not working.

TABLE X.—*Data furnished by the Canadian Meteorological Service, January*, 1900.

Stations.	Pressure.			Temperature.				Precipitation.		
	Mean not reduced.	Mean reduced.	Departure from normal.	Mean.	Departure from normal.	Mean maximum.	Mean minimum.	Total.	Departure from normal.	Depth of snow.
	Ins.	*Ins.*	*Ins.*	°	°	°	°	*Ins.*	*Ins.*	*Ins.*
St. Johns, N. F	29.75	29.90	+.06	28.7	+ 4.9	36.5	20.9	6.37	+0.43	3.2
Sydney, C. B. I	29.90	29.94	+.04	27.9	+ 7.4	37.3	18.5	8.87	+4.06	11.5
Halifax, N. S	29.86	29.97	+.01	28.6	+ 6.8	39.2	18.1	8.52	+2.83	9.5
Grand Manan, N. B	29.90	29.95	—.04	26.7	+ 3.3	36.6	16.8	7.65	+2.28	15.1
Yarmouth, N. S	29.90	29.98	—.04	29.8	+ 3.5	38.6	21.0	7.03	+1.81	16.5
Charlottet'n, P. E. I	29.87	29.91	—.05	23.7	+ 6.7	33.3	14.2	2.86	—0.55	4.9
Chatham, N. B	29.88	29.90	—.12	14.6	+ 4.8	27.3	2.0	4.88	+1.58	28.4
Father Point, Que	29.85	29.88	—.15	14.1	+ 6.1	25.2	2.9	2.51	—0.19	25.1
Quebec, Que	29.62	29.98	—.08	13.3	+ 4.2	22.4	4.1	3.61	—0.06	27.6
Montreal, Que	29.78	30.00	—.08	16.5	+ 4.8	26.3	6.8	5.82	+2.54	36.4
Bissett, Ont	29.37	30.03	—.03	9.9	+ 3.4	22.6	— 2.8	1.65	—0.36	12.7
Ottawa, Ont	29.65	29.99	—.08	15.2	+ 5.6	25.7	4.6	2.74	.....	25.4
Kingston, Ont	29.68	30.02	—.06	20.8	+ 3.7	30.2	11.3	3.52	+0.26	19.5
Toronto, Ont	29.62	30.02	—.07	26.0	+ 4.6	33.5	18.6	1.94	—0.57	14.7
White River, Ont	28.56	30.01	—.10	6.9	+ 7.3	20.2	— 6.4	1.44	+0.11	14.4
Port Stanley, Ont	29.37	30.05	—.04	26.2	+ 4.0	32.7	19.7	2.56	—0.12	16.5
Saugeen, Ont	29.24	30.00	—.06	24.2	+ 3.8	30.9	17.4	2.94	—0.52	27.2
Parry Sound, Ont	29.25	29.99	—.09	18.7	+ 4.9	28.2	9.3	5.00	+1.85	46.2
Port Arthur, Ont	29.22	29.97	—.14	14.8	+11.7	25.9	3.7	0.85	+0.04	8.5
Winnipeg, Man	29.16	30.06	—.13	6.6	+13.4	17.6	— 4.4	1.05	+0.39	10.5
Minnedosa, Man	28.12	30.06	—.11	9.5	+16.7	21.2	— 2.2	1.00	+0.37	10.0
Qu'Appelle, Assin	27.64	30.04	—.13	10.8	+14.6	20.8	0.7	0.24	—0.14	2.3
Medicine Hat, Assin.	27.62	30.01	—.18	24.6	+19.1	36.8	12.5	0.47	+0.14	4.7
Swift Current, Assin.	27.36	30.06	—.13	21.7	+18.6	32.3	11.2	0.14	—0.47	1.2
Calgary, Alberta	26.29	29.97	—.22	22.0	+13.6	31.8	12.3	0.25	—0.32	2.5
Banff, Alberta	25.25	30.04	.....	23.4	+11.3	31.3	15.6	1.12	.....	11.2
Edmonton, Alberta	27.55	29.98	—.17	17.1	+15.3	27.0	7.2	0.78	+0.05	6.0
Prince Albert, Sask	28.36	30.04	.....	3.1	+11.5	14.5	— 8.4	0.95	—0.01	9.5
Battleford, Sask	28.21	30.08	.....	6.9	+12.8	16.8	— 3.0	0.63	+0.25	6.3
Kamloops, B. C	28.79	30.11	.....	33.8	+10.8	38.6	29.0	0.44	—0.42	2.0
Victoria, B. C	29.94	30.03	.....	43.3	+ 4.8	47.0	39.6	3.60	—2.07	0.0
Barkerville, N. W. T.	25.51	29.95	.....	23.5	+ 5.7	31.2	15.7	1.82	—0.89	18.2
Hamilton, Bermuda	29.97	30.13	+.03	62.7	+ 0.7	67.3	58.0	5.48	+0.63	0.0

TABLE XI.—*Heights of rivers referred to zeros of gages, January, 1900.*

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	.....	.....	.....	.....	.....	.....
Reeds Landing, Minn	1,884	12	1.0	3	0.1	22-27	0.4	0.9
La Crosse, Wis*	1,819	12	.....	.....	.....	.....	.....	.....
North McGregor, Iowa.*	1,759	18	.....	.....	.....	.....	.....	.....
Dubuque, Iowa.*	1,699	15	.....	.....	.....	.....	.....	.....
Leclaire, Iowa.*	1,609	10	.....	.....	.....	.....	.....	.....
Davenport, Iowa †	1,593	15	.....	.....	.....	.....	.....	.....
Muscatine, Iowa	1,562	16	5.4	2	2.5	27-29	3.8	2.9
Galland, Iowa[1]	1,472	8	1.6	22-24	0.5	15	1.1	1.1
Keokuk, Iowa[2]	1,463	15	4.2	8, 9	— 0.5	29	1.8	4.7
Hannibal, Mo.[2]	1,402	13	3.6	20	— 0.3	31	2.3	3.9
Grafton, Ill	1,306	23	5.9	21	1.1	1	3.9	4.8
St. Louis, Mo	1,264	30	7.7	21	— 2.6	2	3.2	10.3
Chester, Ill	1,189	36	4.9	22	— 4.1	3	1.3	9.0
Memphis, Tenn	843	33	17.3	29	3.3	10	8.9	14.0
Helena, Ark	767	42	23.9	30	6.4	15	13.2	17.5
Arkansas City, Ark	635	42	24.5	31	7.7	14	14.0	16.8
Greenville, Miss	595	42	19.9	31	5.9	14, 15	11.2	14.0
Vicksburg, Miss	474	45	20.1	31	4.6	16	10.6	15.5
New Orleans, La	108	16	5.5	31	3.0	22	3.9	2.5
Missouri River.								
Bismarck, N. Dak.	1,309	14	4.2	30, 31	1.6	1, 2	3.0	2.6
Pierre, S. Dak*	1,114	14	.....	.....	.....	.....	.....	.....
Sioux City, Iowa*	784	19	.....	.....	.....	.....	.....	.....
Omaha, Nebr*	669	18	.....	.....	.....	.....	.....	.....
Plattsmouth, Nebr	641	17	.....	.....	.....	.....	.....	.....
St. Joseph, Mo	481	10	2.5	15	— 2.3	31	0.5	4.8
Kansas City, Mo	388	21	6.5	15	4.2	5	5.4	2.3
Boonville, Mo	199	20	5.3	1	3.3	12	4.5	2.0
Hermann, Mo[10]	103	24	7.0	19	2.6	10	3.4	4.4
Illinois River.								
Peoria, Ill	135	14	8.1	25-27	4.9	9	6.2	3.2
Gasconade River.								
Arlington, Mo	58	16	0.8	22	— 1.2	1-17	—0.6	2.0
Youghiogheny River.								
Confluence, Pa	59	10	6.0	9, 10	1.1	3-5	3.0	4.9
West Newton, Pa.[3]	15	23	7.8	21	1.2	31	3.5	6.6
Allegheny River.								
Warren, Pa	177	14	9.3	21	1.4	4, 5	3.8	7.9
Oil City, Pa	123	13	9.5	22	2.0	5, 6	4.4	7.5
Parker, Pa[3]	73	20	20.0	12	3.0	31	6.6	17.0
Monongahela River.								
Weston, W. Va.[4]	161	18	3.5	21	— 0.6	6	0.4	4.1
Fairmont, W. Va.[3]	119	25	8.3	12	1.3	31	2.8	7.0
Greensboro, Pa.[5]	81	18	13.3	21	7.0	2-7	8.5	6.3
Lock No. 4, Pa	40	28	15.5	22	7.1	31	9.3	8.4
Conemaugh River.								
Johnstown, Pa	64	7	6.6	21	1.8	31	2.6	4.8
Red Bank Creek.								
Brookville, Pa	35	8	2.7	21	1.4	1-15	1.7	1.3
Beaver River.								
Ellwood Junction, Pa[1]	10	14	5.0	13	2.5	18-20, 23-25	3.2	2.5
Great Kanawha River.								
Charleston, W. Va	61	30	11.5	22	1.9	3	4.9	9.6
New River.								
Hinton, W. Va	95	14	5.5	21	1.1	1-3	2.3	4.4
Cheat River.								
Rowlesburg, W. Va.[1]	36	14	6.5	21	3.0	18, 20	4.1	3.5
Ohio River.								
Pittsburg, Pa	966	22	17.8	22	1.8	3, 4	7.0	16.0
Davis Island Dam, Pa	960	25	16.9	22	3.6	3	8.1	13.3
Wheeling, W. Va.[6]	875	36	23.3	23	7.7	1	12.9	15.6
Parkersburg, W. Va.[4]	785	36	22.2	24	4.3	8	13.0	17.9
Point Pleasant, W. Va	703	39	25.8	24	2.8	4	12.6	23.0
Huntington, W. Va	660	50	28.8	24	5.5	5	16.0	23.3
Catlettsburg, Ky	651	50	29.5	24	3.3	5	15.2	26.2
Portsmouth, Ohio	612	50	30.0	24, 25	4.9	6	16.4	25.1
Cincinnati, Ohio	499	50	31.8	23, 24	7.3	10, 11	18.7	24.5
Madison, Ind	413	46	27.1	24	8.0	11	16.7	19.1
Louisville, Ky	367	28	11.6	24	4.2	10	8.1	7.4
Evansville, Ind	184	35	26.0	25	5.5	11	15.4	20.5
Paducah, Ky	47	40	22.9	26	5.6	11	13.6	17.3
Cairo, Ill	1,073	45	25.5	27	7.8	11	15.8	17.7
Muskingum River.								
Zanesville, Ohio	70	20	13.3	13	6.4	2-5, 11	8.7	6.9
Scioto River.								
Columbus, Ohio[8]	110	17	8.0	21	1.6	11	4.4	6.4
Miami River.								
Dayton, Ohio	69	18	6.8	21	1.0	11	2.1	5.8
Wabash River.								
Mount Carmel, Ill.[7]	50	15	7.6	25	2.5	12	5.3	5.1
Licking River.								
Falmouth, Ky.[3]	30	25	8.9	21, 22	2.5	11	5.3	6.4
Clinch River.								
Speers Ferry, Va	156	20	3.8	13	0.2	5, 6, 31	0.9	3.6
Clinton, Tenn.[6]	46	25	10.5	14	4.0	2, 6, 31	6.1	6.5
Tennessee River.								
Knoxville, Tenn	614	29	5.3	14	0.5	2	2.0	4.8
Kingston, Tenn.[9]	534	25	5.8	14	1.5	8	3.6	4.3
Chattanooga, Tenn.[4]	430	33	9.4	21	2.1	6	5.7	7.3
Bridgeport, Ala	390	24	8.0	21	0.7	4	3.8	7.3
Florence, Ala	220	16	9.6	22	1.1	7-9	4.9	8.5
Riverton, Ala	190	25	12.5	23	0.4	8	6.2	12.1
Johnsonville, Tenn	94	21	13.3	24	2.0	11	7.7	11.3
Cumberland River.	*Miles.*	*Feet.*	*Feet.*		*Feet.*		*Feet.*	*Feet.*
Burnside, Ky.[4]	434	50	14.2	13	1.6	10	4.7	12.6
Carthage, Tenn	257	40	13.0	21	2.0	10	6.4	11.0
Nashville, Tenn	175	40	17.4	20, 22	3.2	10	9.9	14.2
Arkansas River.								
Wichita, Kans	726	10	2.5	18-22	1.8	6	2.2	0.7
Webbers Falls, Ind. T.	413	23	3.0	7	2.0	31	2.3	1.0
Fort Smith, Ark	351	22	5.9	13	2.8	31	4.1	3.1
Dardanelle, Ark	256	21	6.8	19	2.8	6-8, 31	4.1	4.0
Little Rock, Ark	176	23	9.8	20	3.7	8, 9	6.1	6.1
White River.								
Newport, Ark	150	26	11.0	23	2.6	10	4.9	8.4
Yazoo River.								
Yazoo City, Miss	80	25	5.0	1	0.9	10	2.7	4.1
Red River.								
Arthur City, Tex.‡	688	27	.....	.....	.....	.....	.....	.....
Fulton, Ark	565	28	15.0	16	7.0	31	10.3	8.0
Shreveport, La	449	29	9.3	1, 19, 20	5.5	11, 12, 13	7.5	3.8
Alexandria, La	139	33	7.8	1, 2	3.8	22	5.9	4.0
Ouachita River.								
Camden, Ark	340	39	21.3	21	5.2	8, 9, 10	10.0	16.1
Monroe, La	100	40	12.3	27	2.8	9	7.2	9.5
Atchafalaya River.								
Melville, La	100*	31	19.0	31	11.5	18-20	14.6	7.5
Susquehanna River.								
Wilkesbarre, Pa	178	14	15.0	22	2.9	16-18	5.4	12.1
Harrisburg, Pa	70	17	12.0	23	1.7	2	5.2	10.3
W. Br. of Susquehanna.								
Williamsport, Pa	35	20	14.5	21	2.5	8	4.4	12.0
Juniata River.								
Huntingdon, Pa	80	24	.....	.....	.....	.....	.....	.....
Potomac River.								
Harpers Ferry, W. Va.	170	16	8.0	22	1.4	8-13	2.6	6.6
James River.								
Lynchburg, Va.[4]	257	18	7.4	21	0.2	6, 10, 11	1.9	7.2
Richmond, Va.[4]	110	12	7.5	21, 22	— 2.0	10, 11	0.2	9.5
Roanoke River.								
Weldon, N. C.	90	40	31.1	22	6.8	2	12.2	24.3
Cape Fear River.								
Fayetteville, N. C.	100	38	21.3	13	3.9	9	8.0	17.4
Lumber River.								
Fairbluff, N. C.	10	6	4.6	24, 25	3.3	9-11	3.8	1.3
Edisto River.								
Edisto, S. C	75	6	4.4	20	3.0	31	4.1	1.4
Pedee River.								
Cheraw, S. C	145	27	15.2	14	1.0	4, 5	4.2	14.2
Black River.								
Kingstree, S. C	60	12	6.1	5-7	3.9	1	5.4	2.2
Lynch Creek.								
Effingham, S. C	35	12	7.6	21	4.5	8, 9, 29	5.8	3.1
Santee River.								
St. Stephens, S. C	50	12	7.6	20, 21	2.4	7, 8	5.7	5.2
Congaree River.								
Columbia, S. C	37	15	4.3	13	0.3	1-3, 5, 7	1.1	4.0
Wateree River.								
Camden, S. C	45	24	15.0	14	3.1	3	6.2	11.9
Waccamaw River.								
Conway, S. C	40	7	6.2	31	1.3	13	3.3	4.9
Savannah River.								
Calhoun Falls, S. C	347	.....	.....	.....	.....	.....	.....	.....
Augusta, Ga	268	32	14.6	13	6.5	5, 8	8.2	8.1
Broad River.								
Carlton, Ga	30	.....	5.8	12	2.3	5-9, 30, 31	2.8	3.5
Flint River.								
Albany, Ga	80	20	4.7	1	1.2	10, 11	2.7	3.5
Chattahoochee River.								
Westpoint, Ga	239	20	5.1	22	2.4	5	3.5	2.7
Ocmulgee River.								
Macon, Ga	125	20	4.6	21	1.2	3-5	2.3	3.4
Oconee River.								
Dublin, Ga	60	17	5.7	15	1.2	9	2.8	4.5
Coosa River.								
Rome, Ga	225	30	11.3	20	1.5	3-10	3.8	9.8
Gadsden, Ala	144	18	13.8	21	0.9	5-10	4.9	12.9
Alabama River.								
Montgomery, Ala	265	35	16.0	23	2.2	8-10	7.7	13.8
Selma, Ala	212	35	18.5	23	2.7	9, 10	9.5	15.8
Tombigbee River.								
Columbus, Miss	285	33	8.3	13	0.4	31	2.3	7.9
Demopolis, Ala.[5]	155	35	33.3	17	4.3	10	16.4	29.0
Black Warrior River.								
Tuscaloosa, Ala	90	43	32.6	21	4.5	10	15.1	28.1
Columbia River.								
Umatilla, Oreg	270	25	8.8	14, 15	5.1	31	6.4	3.7
The Dalles, Oreg	166	40	15.9	16	7.7	31	9.9	8.2
Willamette River.								
Albany, Oreg	99	20	24.0	15	5.9	31	10.0	18.1
Portland, Oreg	10	15	16.7	17	5.6	29-31	9.3	11.1
Sacramento River.								
Red Bluff, Cal	241	23	21.7	3	2.7	31	9.4	22.0
Sacramento, Cal	70	29	27.0	9	21.7	31	24.4	5.3

* Frozen. † Frozen for 21 days. ‡ No gage.
[1] For 17 days only. [2] For 23 days only. [3] For 20 days only. [4] For 26 days only.
[5] For 30 days only. [6] For 27 days only. [7] For 19 days only. [8] For 18 days only.
[9] For 24 days only. [10] For 25 days only.

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