In Canada.—Professor Stupart says:

In Ontario the precipitation was above the average east to the boundary of the Province from an imaginary line drawn north and south from the Georgian Bay district, the excess increasing gradually until 1.50 inches was reached on the eastern margin. Throughout Quebec the average was exceeded by from 2.25 inches to over 3.00 inches. In the Maritime Provinces there was an excess of about an inch in the northern parts and a deficiency in the extreme south and southwest portions of from 1.00 inch to nearly 2.00 inches; elsewhere in Canada the average was not maintained, but the minus departure was not marked, except in portions of British Columbia where it was very much so, Barkerville and Victoria recording 2.50 inches below the average, and New Westminster close on to 6.00 inches below.

HUMIDITY.

The averages by districts appear in the subjoined table:

Average relative humidity and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
	%			%	
New England	73	— 2	Missouri Valley	81	+ 4
Middle Atlantic	72	— 2	Northern Slope	80	+11
South Atlantic	74	— 4	Middle Slope	76	+10
Florida Peninsula	80	— 2	Southern Slope	78	+ 8
East Gulf	77	— 1	Southern Plateau	53	+ 5
West Gulf	79	+ 6	Middle Plateau	77	+15
Ohio Valley and Tennessee	77	+ 3	Northern Plateau	75	— 3
Lower Lake	81	+ 1	North Pacific	78	— 7
Upper Lake	80	— 1	Middle Pacific	68	— 8
North Dakota	76	— 5	South Pacific	68	— 3
Upper Mississippi Valley	80	+ 3			

SUNSHINE AND CLOUDINESS.

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

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

Average cloudiness and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England	5.4	— 0.1	Missouri Valley	4.9	— 0.5
Middle Atlantic	5.3	— 0.3	Northern Slope	4.4	— 0.4
South Atlantic	5.7	+ 0.4	Middle Slope	4.8	+ 0.4
Florida Peninsula	5.6	+ 1.0	Southern Slope	6.4	+ 1.6
East Gulf	6.9	+ 1.4	Southern Plateau	3.3	+ 0.3
West Gulf	6.5	+ 0.7	Middle Plateau	3.4	— 1.4
Ohio Valley and Tennessee	6.0	— 0.2	Northern Plateau	4.8	— 1.9
Lower Lake	6.4	— 0.4	North Pacific	5.5	— 1.5
Upper Lake	5.8	— 0.5	Middle Pacific	3.8	— 1.0
North Dakota	3.0	— 2.1	South Pacific	3.0	— 1.1
Upper Mississippi Valley	5.4	+ 0.1			

WIND.

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

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

Maximum wind velocities.

Stations.	Date.	Velocity.	Direction.	Stations.	Date.	Velocity.	Direction.
Amarillo, Tex	3	50	w.	Havre, Mont	9	60	sw.
Atlanta, Ga	16	60	nw.	Huron, S. D	28	52	nw.
Block Island, R. I	5	56	nw.	Jacksonville, Fla	16	75	sw.
Do	6	50	nw.	Knoxville, Tenn	4	60	sw.
Do	9	56	nw.	Lexington, Ky	4	50	w.
Do	17	60	ne.	Lincoln, Nebr	28	52	nw.
Do	18	50	w.	Milwaukee, Wis	4	56	ne.
Do	28	56	s.	Minneapolis, Minn	28	50	n.
Buffalo, N. Y	2	51	w.	Mount Tamalpais, Cal	11	56	nw.
Do	4	59	sw.	Do	13	56	ne.
Do	5	50	sw.	Do	14	50	ne.
Do	8	72	sw.	New York, N. Y	4	63	w.
Do	17	50	sw.	Do	5	72	nw.
Do	18	54	w.	Do	9	59	nw.
Do	19	50	w.	Do	17	55	nw.
Do	28	60	w.	Do	18	52	w.
Cairo, Ill	4	53	sw.	Do	28	50	s.
Chicago, Ill	3	50	ne.	North Head, Wash	7	71	se.
Do	22	50	s.	Do	8	72	s.
Cleveland, Ohio	4	56	w.	Do	9	80	s.
Do	5	57	w.	Point Reyes Light, Cal	1	60	nw.
Do	18	50	w.	Do	7	74	s.
Columbia, S. C	16	60	sw.	Do	11	65	nw.
Do	17	56	sw.	Do	12	60	nw.
Columbus, Ohio	4	61	sw.	St. Louis, Mo	4	51	sw.
Do	28	56	w.	Sioux City, Iowa	27	50	nw.
Duluth, Minn	18	56	nw.	Do	28	52	nw.
Do	28	52	nw.	Syracuse, N. Y	11	50	s.
Eastport, Me	8	51	e.	Do	28	59	sw.
Do	17	52	ne.	Tatoosh Island, Wash	7	54	s.
Do	28	50	sw.	Do	8	52	nw.
Green Bay, Wis	4	55	n.	Do	9	72	sw.
Harrisburg, Pa	5	50	nw.	Do	10	60	nw.
Hatteras, N. C	16	59	sw.	Williston, N. Dak	27	50	n.

ATMOSPHERIC ELECTRICITY.

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

Thunderstorms.—Reports of 802 thunderstorms were received during the current month as against 975 in 1902 and 372 during the preceding month.

The dates on which the number of reports of thunderstorms for the whole country was most numerous were: 3d, 129; 2d, 110; 4th, 100.

Reports were most numerous from: Texas, 96; Louisiana, 74; Mississippi, 70.

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

In Canada: Thunderstorms were reported at Chatham, 5th; Ottawa, 4th; Parry Sound, 2d. Auroras were reported at Qu'Appelle, 21st; Swift Current, 23d.

DESCRIPTION OF TABLES AND CHARTS.

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

For description of tables and charts see page 582 of REVIEW for December, 1902.

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

Stations.	Elevation of instruments.			Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.									Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Precipitation, in inches.			Wind.					Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.
	Barometer above sea level, feet.	Thermometers above ground.	Anemometer above ground.	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hrs.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.				Total.	Departure from normal.	Days with .01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.					
New England.							28.2	+ 2.2										73	3.97	+ 0.4										5.4	
Eastport	76	69	74	29.77	29.86	− .12	22.2	+ 0.2	52	28	29	− 7	20	15	21	20	17	81	4.01	+ 0.3	16	10,888	nw.	52	ne.	17	7	11	10	5.5	23.0
Portland, Me.	103	81	117	29.82	29.95	− .07	26.4	+ 1.8	53	28	34	− 5	20	19	29	23	16	67	3.44	0.0	11	7,227	w.	38	e.	8	11	6	11	5.1	19.9
Concord	298	70	79	29.64	29.98	− .06	25.6	+ 2.2	58	28	35	−18	20	16	45	.....	.....	.....	3.75	+ 0.5	11	4,590	w.	37	w.	12	8	11	9	5.6	20.5
Northfield	876	16	60	28.99	29.98	− .06	19.2	+ 3.2	59	28	30	−17	18	9	38	17	12	72	3.53	+ 1.2	11	6,057	s.	46	sw.	28	4	12	12	6.6	23.9
Boston	125	115	181	29.84	29.99	− .05	31.4	+ 3.4	62	28	38	3	18	24	25	28	21	68	3.90	+ 0.4	11	9,177	w.	46	ne.	17	11	6	11	5.3	14.7
Nantucket	12	43	85	29.98	29.99	− .05	32.7	+ 1.7	52	28	38	8	19	27	28	30	26	79	3.32	+ 0.4	11	11,294	nw.	48	nw.	17	12	6	10	6.0	7.0
Block Island	31	11	60	30.00	30.03	− .03	33.0	+ 2.2	55	28	39	7	19	27	24	30	24	72	4.61	+ 0.2	10	14,673	nw.	60	ne.	17	13	5	10	4.9	5.8
Narragansett	.....	.....	.....	.....	.....	.....	31.3	+ 2.2	56	28	40	− 2	18	22	35	.....	.....	.....	5.19	+ 0.7	10	.....	nw.	.....	.....	.....	17	2	9	.....	9.5
New Haven	106	117	140	29.91	30.03	− .04	31.7	+ 2.9	57	28	39	1	19	24	31	28	23	73	3.98	− 0.1	11	6,710	w.	42	sw.	28	16	4	8	4.0	12.2
Mid. Atlantic States.							36.6	+ 2.1										72	4.16	+ 0.8										5.3	
Albany	97	102	115	29.93	30.04	− .03	27.0	+ 2.8	63	28	35	− 4	20	19	28	25	22	83	2.05	− 0.6	8	5,717	s.	39	w.	28	7	9	12	5.9	9.8
Binghamton	875	79	90	29.07	30.04	− .04	27.4	+ 3.5	61	28	35	− 4	19	20	34	.....	.....	.....	2.24	− 0.6	14	5,787	w.	36	w.	28	7	10	11	6.3	15.8
New York	314	108	350	29.70	30.05	− .03	34.4	+ 2.9	62	28	40	2	19	28	20	30	24	68	3.83	0.0	9	12,118	w.	72	nw.	5	10	9	9	5.1	10.5
Harrisburg	374	94	104	29.68	30.09	.00	32.8	+ 0.3	62	28	40	1	19	26	26	28	23	70	4.19	+ 1.4	9	6,121	w.	50	nw.	5	9	7	12	5.7	9.0
Philadelphia	117	168	184	29.96	30.09	− .01	36.5	+ 3.0	67	28	44	3	19	29	23	32	27	71	4.29	+ 1.1	10	6,861	nw.	39	nw.	4	12	5	11	5.0	6.8
Scranton	805	111	119	29.17	30.07	− .01	30.0	.....	64	28	38	− 3	19	22	34	26	20	69	3.54	.....	11	5,424	sw.	41	w.	28	7	7	14	6.9	8.1
Atlantic City	52	39	48	30.03	30.09	− .02	36.4	+ 2.5	65	13	43	4	19	30	25	32	29	77	5.22	+ 1.9	10	6,691	nw.	34	sw.	28	9	11	8	4.7	0.3
Cape May	17	47	51	30.10	30.12	+ .01	37.4	+ 1.7	62	13	43	8	19	32	23	34	.....	.....	5.65	+ 1.9	11	6,755	nw.	36	s.	28	11	8	9	5.1	0.5
Baltimore	123	69	117	29.95	30.09	− .02	37.8	+ 1.6	71	28	45	5	19	30	28	32	25	65	5.43	+ 1.9	10	6,073	w.	45	w.	5	10	6	12	5.5	6.0
Washington	112	59	76	29.98	30.11	.00	37.4	+ 1.6	73	28	46	3	18	29	32	33	27	71	5.32	+ 2.0	10	5,485	nw.	44	sw.	28	11	6	11	5.1	3.0
Cape Henry	18	5	58	30.10	30.11	.00	44.3	+ 0.4	76	28	52	17	19	37	30	.....	.....	.....	2.46	− 1.1	8	9,964	s.	73	nw.	16	10	5	13	5.5	T.
Lynchburg	681	83	88	29.34	30.10	− .01	41.2	+ 1.2	71	28	51	8	19	31	36	36	30	70	5.99	+ 2.5	11	3,569	sw.	27	nw.	5	13	7	8	4.9	0.5
Norfolk	91	102	111	30.03	30.13	+ .02	46.0	+ 3.2	74	28	55	14	19	37	32	40	35	72	3.24	− 0.6	8	7,235	s.	40	sw.	4	15	4	9	4.4	T.
Richmond	144	82	90	29.97	30.13	+ .02	43.0	.....	72	28	52	11	19	34	33	.....	.....	.....	5.02	.....	8	4,473	sw.	33	sw.	28	11	3	14	5.4	0.2
Wytheville	2,293	40	47	27.67	30.12	.00	37.8	.....	66	28	49	2	19	27	37	33	29	78	5.33	.....	10	5,144	w.	36	w.	4	14	4	10	4.6	T.
S. Atlantic States.							50.8	+ 1.3										74	5.09	+ 1.4										5.7	
Asheville	2,255	73	100	27.74	30.11	− .02	41.3	.....	69	15	53	5	18	30	38	35	30	70	7.02	.....	11	6,724	n.	40	se.	28	10	11	7	5.2	0.1
Charlotte	773	68	76	29.28	30.13	+ .01	46.3	+ 1.3	69	28	55	17	18	37	28	40	34	69	6.02	+ 1.5	10	5,647	sw.	48	sw.	16	9	7	12	5.6	
Hatteras	11	12	47	30.14	30.15	+ .04	49.8	+ 3.2	71	15	56	25	19	44	21	47	44	83	4.82	+ 0.4	9	11,564	sw.	59	sw.	16	8	10	10	5.6	
Kittyhawk	.....	.....	.....	.....	.....	.....	45.2	− 0.8	72	28	53	18	19	37	32	.....	.....	.....	3.74	0.0	8	10,257	ne.	.....	.....	.....	12	4	12	5.2	
Raleigh	376	93	101	29.72	30.13	+ .02	46.2	+ 2.3	71	28	56	17	18	36	33	41	35	70	6.67	+ 2.9	9	4,988	nw.	36	w.	17	11	4	13	5.6	
Wilmington	78	82	90	30.05	30.13	+ .01	51.7	+ 1.9	76	14	61	23	18	42	33	45	40	74	3.54	+ 0.3	9	6,789	sw.	51	w.	16	8	8	12	5.8	
Charleston	48	14	92	30.11	30.17	+ .05	53.8	+ 1.0	73	2	61	24	18	47	35	48	45	79	2.07	− 1.2	11	8,360	sw.	46	w.	17	4	14	10	6.1	
Columbia	351	114	122	29.77	30.16	+ .05	50.0	+ 1.9	74	15	59	19	18	41	28	44	39	71	7.30	+ 3.1	11	6,904	sw.	60	sw.	16	9	9	10	5.6	
Augusta	180	89	97	29.95	30.15	+ .03	50.5	+ 0.1	76	15	60	20	18	41	33	45	40	73	7.46	+ 3.5	9	4,894	nw.	46	w.	16	10	7	11	5.2	
Savannah	65	79	89	30.08	30.15	+ .03	55.4	+ 1.1	80	16	64	26	18	47	28	49	46	78	4.08	+ 1.0	12	6,331	sw.	48	w.	16	6	13	9	6.0	
Jacksonville	43	101	129	30.08	30.13	+ .01	59.2	+ 0.8	81	14	68	29	18	51	27	53	50	78	5.23	+ 2.1	14	7,956	s.	75	sw.	16	5	9	14	6.5	
Florida Peninsula.							69.7	+ 2.6										80	4.18	+ 1.7										5.6	
Jupiter	28	10	48	30.08	30.11	+ .03	70.6	+ 3.5	84	8	76	40	18	65	20	66	63	80	4.50	+ 1.8	9	10,278	se.	42	se.	21	5	17	6	5.7	
Key West	22	43	50	30.06	30.07	.00	73.8	+ 2.4	84	12	78	54	18	70	21	69	67	83	1.97	+ 0.3	7	7,633	se.	36	nw.	17	9	10	9	5.5	
Tampa	34	60	67	30.08	30.12	+ .02	64.8	+ 2.0	84	14	73	32	18	56	27	58	55	78	6.06	+ 3.0	13	5,722	ne.	41	s.	16	8	11	9	5.5	
East Gulf States.							51.9	− 1.9										77	10.50	+ 5.7										6.9	
Atlanta	1,174	190	216	28.88	30.14	+ .02	46.4	− 1.6	69	27	55	12	17	38	43	41	37	74	9.66	+ 5.0	12	9,954	nw.	60	nw.	16	9	5	14	6.2	
Macon	370	93	99	29.75	30.15	+ .03	50.4	.....	77	27	60	21	17	41	38	.....	.....	.....	6.25	.....	11	5,120	nw.	45	sw.	16	6	2	20	7.6	T.
Pensacola	56	79	96	30.07	30.12	+ .01	55.6	− 1.2	70	2	62	27	17	49	34	.....	.....	.....	8.31	+ 4.4	15	8,172	e.	45	sw.	16	6	7	15	6.6	
Mobile	57	88	96	30.06	30.12	+ .01	54.4	− 0.4	72	7	62	24	17	47	39	49	44	75	8.83	+ 4.1	12	5,784	n.	27	nw.	16	7	3	18	7.1	
Montgomery	223	100	112	29.89	30.14	+ .02	51.2	− 1.5	80	14	60	19	17	42	46	47	43	79	11.76	+ 6.4	12	5,549	se.	42	w.	16	5	7	16	6.9	T.
Meridian	375	84	93	29.72	30.14	+ .03	49.1	− 4.5	78	14	59	15	17	40	38	.....	.....	.....	13.30	+ 7.7	14	4,813	ne.	34	w.	4	6	6	16	6.8	T.
Vicksburg	247	62	74	29.81	30.08	− .02	50.1	− 2.5	76	15	58	18	17	42	31	46	42	79	11.45	+ 6.8	14	5,731	nw.	36	w.	3	7	5	16	6.8	T.
New Orleans	51	88	121	30.05	30.10	+ .01	56.4	− 1.7	80	14	64	27	17	49	39	52	47	77	10.20	+ 5.7	13	7,005	ne.	42	nw.	16	4	6	18	7.4	
West Gulf States.							48.2	− 3.4										79	6.30	+ 2.9										6.5	
Shreveport	249	77	84	29.84	30.12	+ .03	48.5	− 2.7	73	2	56	15	17	41	27	44	39	77	5.79	+ 1.6	14	5,057	ne.	33	nw.	3	10	2	16	6.4	0.4
Fort Smith	457	79	94	29.62	30.12	+ .02	39.9	− 1.6	74	2	48	4	17	32	31	36	31	75	5.33	+ 1.7	9	7,055	e.	48	w.	4	6	12	10	5.6	5.0
Little Rock	357	93	100	29.75	30.14	+ .03	42.6	− 2.8	73	2	50	7	17	35	29	38	33	73	6.50	+ 1.2	10	6,169	ne.	38	w.	16	11	5	12	5.6	3.3
Corpus Christi	20	48	53	30.04	30.06	+ .01	55.6	− 3.4	78	3	62	27	17	50	25	52	50	84	5.81	+ 3.4	13	7,531	n.	38	nw.	16	5	6	17	6.9	
Fort Worth	670	106	114	29.37	30.10	+ .03	43.4	.....	78	2	51	12	16	36	30	.....	.....	.....	4.63	.....	13	7,441	n.	40	n.	16	8	8	12	6.2	3.0
Galveston	54	106	112	30.00	30.05	− .02	53.6	− 3.4	67	2	59	24	17	48	23	51	49	86	6.84	+ 3.8	13	8,904	se.	48	nw.	16	6	8	14	6.7	
Palestine	510	73	79	29.56	30.11	+ .03	47.0	+ 4.0	78	2	54	14	17	40	25	43	40	82	5.97	+ 2.5	17	5,853	ne.	28	nw.	16	5	4	19	7.2	1.5
San Antonio	701	80	91	29.32	30.06	+ .01	50.1	− 5.7	75	12	58	19	17	42	29	46	42	78	7.88	+ 5.9	16	6,126	n.	44	nw.	10	6	5	17	7.1	
Taylor	583	55	63	29.45	30.08	+ .02	47.0	.....	74	2	54	17	17	40	30	.....	.....	.....	7.08	.....	18	6,864	n.	35	nw.	16	6	6	16	7.0	T.
Ohio Val. and Tenn.							37.1	− 1.1										77	6.04	+ 1.8										6.0	
Chattanooga	762	106	112	29.33	30.16	+ .03	44.2	− 1.3	71	4	54	6	17	34	47	39	33	72	8.86	+ 3.5	14	5,587	nw.	46	sw.	4	9	7	12	5.9	0.6
Knoxville	1,004	10	88	29.06	30.14	+ .02	42.0	− 0.3	72	15	52	8	19	32	48	37	33	78	8.35	+ 3.0	14	5,955	sw.	60	sw.	4	13	2	13	5.4	3.3
Memphis	397	140	154	29.71	30.15	+ .04	42.2	− 2.6	69	2	49	6	17	35	22	38	34	77	8.06	+ 2.8	12	7,774	ne.	40	nw.	4	8	8	12	6.0	4.0
Nashville	546	122	131	29.55	30.16	+ .04	41.4	− 1.3	69	2	50	1	17	32	35	37	33	76	4.81	− 0.5	14	5,646	nw.	36	se.	10	13	2	13	5.1	3.1
Lexington	989	75	102	29.03	30.14	+ .03	35.6	− 0.6	65	2	44	− 3	19	27	35	.....	.....	.....	6.16	+ 2.5	14	8,785	w.	50	w.	4	9	5	14	6.1	7.7
Louisville	525	114	136	29.54	30.15	+ .04	36.8	− 1.4	68	2	45	− 1	17	28	33	33	29	77	6.03	+ 1.7	14	6,896	s.	46	sw.	4	11	4	13	6.0	5.3
Evansville	431	72	82	29.65	30.14	+ .03	35.9	.....	61	1	44	− 3	17	28	32	.....	.....	.....	5.88	.....	13	6,294	n.	33	w.	4	11	3	14	5.8	3.9
Indianapolis	822	154	164	29.20	30.12	+ .02	31.0	− 1.3	58	3	39	− 9	17	23	34	28	25	82	3.74	+ 0.2	13	8,364	s.	43	sw.	4	11	4	13	5.8	6.5
Cincinnati	628	152	157	29.43	30.14	+ .04	34.6	− 1.8	66	2	43	− 1	17	26	32	31	27	78	5.76	+ 2.1	14	6,273	sw.	40	sw.	4	9	7	12	6.0	4.6
Columbus	824	87	100	29.20	30.09	.00	31.8	− 0.3	64	2	40	− 2	17	24	29	29	26	81	4.44	+ 0.7	15	9,978	sw.	61	sw.	4	8	9	11	6.2	5.8
Pittsburg	842	116	123	29.16	30.09	.00	33.4	0.0	62	1	41	− 3	19	26	33	30	25	73	3.99	+ 1.2	15	5,527	nw.	42	nw.	28	6	8	14	6.6	7.2
Parkersburg	638	77	84	29.42	30.13	+ .03	34.8	− 1.5	68	2	43	− 2	19	26	31	31	28	79	6.23	+ 2.6	13	5,156	s.	39	nw.	4	7	8	13	6.5	11.1
Elkins	1,940	41	50	27.99	30.10	.00	32.3	.....	63	15	44	− 5	19	20	48	28	25	79	5.72	.....	19	4,248	w.	40	w.	28	4	13	11	6.8	13.0
Lower Lake Region.							27.3	+ 0.8										81	3.28	+ 0.6										6.4	
Buffalo	767	178	206	29.17	30.03	− .03	27.0	+ 2.5	55	28	33	− 3	19	21	23	24	21	78	2.90	+ 0.1	21	13,701	sw.	72	sw.	8	4	5	19	7.3	12.0
Oswego	335	76	91	29.63	30.01	− .05	26.6	+ 2.0	57	28	33	− 2	18	20	25	25	22	82	3.08	+ 0.5	16	10,242	s.	44	w.	8	6	4	18	7.1	21.0
Rochester	523	81	90	29.43	30.03	− .03	27.9	+ 3.5	57	28	34	− 3	18	22	25	25	21	78	2.62	− 0.1	14	8,554	sw.	42	w.	8	7	7	14	6.7	15.6
Syracuse	597	97	113	29.35	30.01	− .06	27.2	.....	63	28	34	− 2	19	20	23	.....	.....	.....	2.58	.....	19	11,187	w.	59	sw.	28	4	8	16	6.8	17.8
Erie	713	92	102	29.25	30.05	− .02	27.8	+ 0.3	61	2	35	− 4	18	21	33	25	22	83	3.59	+ 0.1	13	9,432	w.	40	s.	8	5	8	15	6.6	18.2
Cleveland	762	190	201	29.22	30.07	.00	28.4	+ 0.4	60	2	35	− 4	19	22	32	26	22	80	3.84	+ 1.0	19	12,690	s.	57	w.	5	5	8	15	6.7	10.0
Sandusky	629	62	70	29.36	30.06	− .01	28.4	− 0.5	61	2	35	− 4	19	22	28	.....	.....	.....	3.67	+ 0.7	14	6,680	sw.	36	nw.	4	12	7	9	4.8	6.5
Toledo	628	123	127	29.37	30.08	+ .01	27.0	− 1.2	56	2	33	− 4	17	21	23	24	21	81	3.37	+ 1.3	13	8,455	w.	40	w.	4	10	5	13	5.8	9.8
Detroit	730	153	193	29.24	30.06	.00	25.6	− 0.6	50	2	32	− 4	18	20	20	23	21	85	3.19	+ 0.9	10	9,302	sw.	41	w.	2	9	6	13	6.1	14.7
Upper Lake Region.							20.5	+ 1.3										80	1.76	− 0.1										5.8	
Alpena	609	63	80	29.33	30.03	.00	21.0	+ 3.0	46	26	29	− 8	17	13	30	19	16	85	2.63	+ 0.6	9	7,442	w.	32	nw.	28	4	11	13	7.0	23.6
Escanaba	612	43	57	29.36	30.06	.00	18.0	+ 2.2	42	11	27	−15	17	9	32	16	12	80	0.70	− 0.9	11	6,218	n.	37	n.	4	8	13	7	5.0	4.0
Grand Haven	632	54	92	29.34	30.06	+ .01	24.8	− 0.2	45	27	31	− 3	18	19	22	23	21	87	2.51	+ 0.3	15	9,296	nw.	44	w.	18	6	6	16	7.1	16.9
Houghton	668	66	74	29.29	30.05	.00	17.0	.....	46	26	25	−13	18	9	30	.....	.....	.....	1.74	.....	13	4,897	nw.	28	nw.	18	7	9	12	6.6	14.5
Marquette	734	79	116	29.22	30.06	+ .01	18.4	+ 1.3	45	10	25	−14	17	12	28	15	9	69	1.24	− 0.5	10	8,104	nw.	39	nw.	28	7	11	10	5.8	11.1
Port Huron	638	70	120	29.34	30.07	+ .02	24.2	+ 1.2	48	2	31	− 5	19	18	23	22	19	85	2.46	0.0	11	9,052	sw.	48	w.	2	7	8	13	6.3	16.1
Sault Ste. Marie	614	40	61	29.29	30.00	− .03	16.8	+ 4.3	43	26	25	−20	17	8	36	15	10	76	1.02	− 0.3	10	5,901	nw.	30	w.	6	9	8	11	6.1	6.7
Chicago	823	241	274	29.18	30.10	+ .02	25.0	− 1.8	49	27	31	−11	17	20	24	24	21	84	3.03	+ 0.8	9	12,662	w.	50	s.	22	10	7	11	5.5	19.5
Milwaukee	681	124	142	29.32	30.10	+ .04	23.4	+ 0.7	45	10	30	−12	17	16	24	22	19	82	2.01	+ 0.2	11	8,140	w.	56	ne.	4	11	9	8	4.8	17.5
Green Bay	617	49	57	29.38	30.08	+ .02	18.6	+ 2.4	47	27	27	−16	17	10	29	16	12	75	1.35	− 0.4	11	7,950	sw.	55	n.	4	8	10	10	5.8	10.5
Duluth	702	95	116	29.30	30.11	+ .03	14.4	− 0.1	40	26	24	−24	17	5	34	11	6	74	0.67	− 0.4	9	7,780	sw.	56	nw.	18	14	10	4	3.9	7.0

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

Stations.	Elevation of instruments.			Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.												Precipitation, in inches.			Wind.									
	Barometer above sea level, feet.	Thermometers above ground.	Anemometer above ground.	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hrs.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with .01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.
North Dakota.							3.5	— 3.8										76	0.35	— 0.2										3.0	
Moorhead	935	54	60	29.12	30.20	+ .09	5.4	+ 0.9	38	10	16	—30	16	— 5	30	3	2	89	0.70	— 0.1	6	6,373	nw.	36	nw.	27	21	2	5	2.8	6.4
Bismarck	1,674	16	29	28.35	30.26	+ .14	2.6	— 6.9	38	10	14	—41	15	— 9	42	0	—7	65	0.09	— 0.5	4	4,973	nw.	45	n.	27	22	4	2	2.7	0.8
Williston	1,885	14	44	28.09	30.21	+ .10	2.4	— 5.3	40	10	15	—46	15	—10	46	0	—4	74	0.27	— 0.1	4	5,240	s.	50	n.	27	15	6	7	3.6	2.7
Upper Miss. Valley.							24.4	— 1.7										80	1.87	— 0.1										5.4	
Minneapolis	.....	99	208	.....	.....	.....	14.8	— 1.4	42	26	24	—24	16	6	32	.....	.....	.....	0.50	— 0.6	5	7,810	w.	50	n.	28	16	9	3	....	2.6
St. Paul	837	102	122	29.19	30.14	+ .05	14.3	— 1.5	42	26	23	—24	16	6	33	12	9	84	0.62	— 0.3	7	5,410	nw.	36	nw.	28	16	7	5	3.9	1.8
La Crosse	714	71	87	29.32	30.13	+ .05	17.6	— 2.5	49	27	27	—18	18	8	33	.....	.....	.....	0.95	— 0.2	3	5,784	s.	38	n.	28	14	3	11	3.6	10.0
Davenport	606	71	79	29.44	30.12	+ .02	23.6	— 1.7	50	27	32	—13	17	16	27	22	19	82	1.67	+ 0.1	6	5,688	w.	32	ne.	3	11	7	10	5.2	14.2
Des Moines	861	84	88	29.22	30.18	+ .07	22.0	— 1.1	46	22	31	—13	18	13	34	19	16	80	1.12	— 0.2	6	6,524	sw.	32	nw.	28	6	14	8	5.5	9.1
Dubuque	698	100	117	29.34	30.14	+ .05	22.4	— 0.2	49	26	31	—14	18	14	38	19	15	77	1.19	— 0.3	8	5,358	nw.	32	nw.	13	9	6	13	6.1	6.2
Keokuk	614	63	78	29.45	30.14	+ .03	26.4	— 1.9	51	27	34	—13	17	19	28	23	19	78	1.42	— 0.3	9	5,993	sw.	34	w.	28	10	7	11	5.1	6.1
Cairo	356	87	93	29.75	30.15	+ .03	37.5	— 1.9	66	1	45	— 1	17	30	30	34	31	80	4.19	+ 0.2	13	7,762	nw.	53	sw.	4	9	6	13	5.9	3.5
Springfield, Ill	644	82	93	29.42	30.14	+ .04	28.2	— 2.1	56	27	36	—12	17	20	26	25	22	83	3.05	— 0.3	10	7,299	nw.	34	nw.	18	9	6	13	5.9	15.3
Hannibal	534	75	110	29.52	30.12	+ .01	27.6	— 2.9	58	1	36	—18	17	19	36	.....	.....	.....	2.70	+ 0.8	10	7,120	w.	36	nw.	18	6	9	13	6.6	13.1
St. Louis	567	111	210	29.51	30.14	+ .03	33.6	— 1.5	62	1	41	— 6	17	26	24	30	26	78	3.14	+ 0.4	13	7,754	s.	51	sw.	4	8	7	13	6.1	7.6
Missouri Valley.							20.6	— 3.8										81	1.47	+ 0.2										4.9	
Columbia	784	11	84	29.27	30.14	+ .03	28.8	— 6.4	63	1	38	—15	17	20	38	.....	.....	.....	2.66	+ 0.3	9	6,817	sw.	39	nw.	18	9	4	15	6.3	6.5
Kansas City	963	78	95	29.11	30.18	+ .07	28.5	— 2.5	64	1	36	— 9	17	21	33	25	21	78	1.89	+ 0.1	8	6,217	nw.	34	nw.	18	13	7	8	4.7	9.7
Springfield, Mo	1,324	98	104	28.68	30.12	+ .01	31.9	— 2.8	67	1	40	— 3	17	24	31	29	26	83	3.35	+ 0.3	10	8,173	se.	46	w.	4	11	8	9	5.2	2.8
Topeka	.....	81	89	.....	.....	.....	27.8	— 3.5	66	1	37	—10	17	18	42	.....	.....	.....	1.14	— 0.5	7	7,042	n.	34	n.	28	10	9	9	5.2	4.4
Lincoln	1,189	75	84	28.85	30.18	+ .08	21.2	— 2.2	49	22	30	—13	18	12	38	18	14	78	1.39	+ 0.5	7	7,893	n.	52	nw.	28	12	8	8	4.6	12.4
Omaha	1,105	115	121	28.95	30.19	+ .08	21.1	— 3.9	47	22	29	—15	18	13	34	18	15	82	1.12	+ 0.3	7	7,191	n.	41	n.	28	8	9	11	5.9	8.4
Valentine	2,598	47	54	27.32	30.18	+ .09	16.0	— 5.5	47	22	26	—18	18	6	40	14	12	86	0.73	0.0	6	6,538	nw.	49	nw.	28	11	6	11	5.0	7.3
Sioux City	1,135	96	164	28.91	30.19	+ .07	16.2	— 2.8	45	22	25	—18	18	7	31	.....	.....	.....	0.66	+ 0.1	5	8,426	s.	52	nw.	28	11	9	8	4.8	10.2
Pierre	1,572	43	50	28.48	30.24	+ .13	13.7	— 1.7	46	22	23	—20	16	4	29	11	7	78	0.36	0.0	4	4,374	e.	46	n.	28	12	10	6	4.5	3.6
Huron	1,306	56	67	28.75	30.24	+ .12	7.5	— 4.5	39	10	18	—29	17	— 3	35	6	2	79	0.31	— 0.3	2	7,475	nw.	52	nw.	28	17	9	2	3.5	3.1
Yankton	1,233	42	49	28.80	30.20	+ .08	13.4	— 5.8	47	22	24	—22	16	3	37	.....	.....	.....	2.58	+ 1.8	6	5,299	w.	42	■w.	28	13	11	4	4.1	23.8
Northern Slope.							17.0	— 4.1										80	0.74	+ 0.2										4.4	
Havre	2,505	46	53	27.43	30.21	+ .14	14.2	+ 1.0	48	26	26	—27	15	3	43	13	11	87	0.21	— 0.3	5	6,080	sw.	60	sw.	9	14	7	7	4.3	2.0
Miles City	2,371	42	50	27.57	30.22	+ .13	11.2	— 5.0	42	10	23	—30	16	— 1	40	8	7	89	0.51	0.0	3	2,911	sw.	28	w.	11	15	10	3	3.6	5.1
Helena	4,110	88	94	25.84	30.20	+ .09	23.0	+ 1.3	51	21	31	— 7	13	14	26	20	14	68	0.09	— 0.7	2	4,132	sw.	33	sw.	17	12	9	7	4.3	1.3
Kalispell	2,965	45	51	27.02	30.21	+ .13	20.6	.....	46	23	30	— 4	12	11	28	18	15	80	0.48	.....	8	3,430	w.	30	sw.	10	15	10	3	3.6	4.4
Rapid City	3,234	46	50	26.64	30.20	+ .12	18.6	— 2.0	53	22	30	—16	18	8	41	16	12	80	0.47	— 0.2	7	4,640	nw.	38	nw.	27	15	8	5	3.9	4.7
Cheyenne	6,088	56	64	23.91	30.18	+ .15	15.8	—11.5	45	22	25	—20	15	6	30	13	8	76	1.76	+ 1.4	13	7,459	nw.	45	nw.	10	12	5	11	5.3	18.4
Lander	5,372	26	86	24.61	30.22	+ .14	16.0	— 7.0	48	22	30	—28	14	2	51	12	9	79	0.82	+ 0.1	7	2,078	se.	32	w.	10	13	9	6	4.1	8.2
North Platte	2,821	43	52	27.15	30.22	+ .15	20.0	— 5.3	48	22	29	—11	17	11	50	17	14	84	1.29	+ 0.9	10	5,412	w.	38	nw.	28	9	8	11	5.8	15.5
Middle Slope.							26.9	— 5.5										76	1.61	+ 0.3										4.8	
Denver	5,291	79	151	24.67	30.15	+ .14	22.7	— 9.5	55	22	33	—10	15	12	37	18	13	71	0.42	— 0.1	8	5,352	s.	38	nw.	10	14	6	8	4.2	7.8
Pueblo	4,685	80	86	25.26	30.12	+ .12	24.2	— 5.9	58	10	36	—13	16	12	47	20	13	66	1.20	+ 0.8	11	4,698	nw.	43	w.	11	8	14	6	5.1	12.0
Concordia	1,398	42	47	28.65	30.18	+ .09	24.2	— 4.0	55	1	32	—12	16	16	51	20	17	80	0.80	0.0	8	4,740	n.	32	nw.	28	12	6	10	5.1	8.0
Dodge	2,509	44	54	27.46	30.18	+ .12	26.2	— 5.6	65	1	37	—18	16	15	43	22	19	84	2.87	+ 2.2	10	7,056	ne.	42	sw.	1	14	1	13	5.0	27.7
Wichita	1,358	78	86	28.68	30.17	+ .09	29.6	— 2.2	69	1	39	— 6	16	20	34	26	21	77	1.71	+ 0.5	7	6,842	ne.	32	n.	28	15	4	9	4.6	7.3
Oklahoma	1,214	79	86	28.80	30.12	+ .05	34.6	— 5.9	69	1	43	4	16	26	29	30	26	77	2.65	+ 1.7	8	8,224	n.	40	n.	15	12	6	10	5.1	4.0
Southern Slope.							34.8	— 6.0										78	3.50	+ 2.4										6.4	
Abilene	1,738	45	54	28.25	30.10	+ .05	40.3	— 5.6	76	1	49	11	17	32	38	36	33	80	4.07	+ 2.7	10	6,138	nw.	48	w.	3	4	6	18	7.4	2.8
Amarillo	3,676	43	52	26.23	30.08	+ .06	29.2	— 6.4	66	11	40	— 3	16	18	42	24	20	76	2.93	+ 2.1	9	8,173	sw.	50	w.	3	13	6	9	5.4	28.7
Southern Plateau.							38.6	— 6.2										53	1.03	+ 0.2										3.3	
El Paso	3,762	10	110	26.13	29.95	.00	43.6	— 5.8	73	12	56	14	17	31	41	35	24	55	1.09	+ 0.7	7	7,689	ne.	45	sw.	12	11	10	7	4.4	3.4
Santa Fe	7,013	47	50	23.12	30.01	+ .03	26.4	— 5.6	47	2	36	— 4	16	17	29	21	14	62	1.31	+ 0.5	9	5,362	se.	46	s.	2	17	5	6	3.6	13.8
Flagstaff	6,907	12	25	23.22	29.97	— .03	22.0	— 9.4	50	23	36	—18	7	8	53	19	.....	.....	2.62	+ 0.7	9	.....	sw.	.....	.....	.....	14	8	6	3.6	25.3
Phoenix	1,108	50	56	28.83	30.02	+ .03	48.8	— 5.6	75	21	61	27	7	36	39	40	30	54	0.64	— 0.1	6	2,620	e.	17	w.	15	17	6	5	3.1	
Yuma	141	16	50	29.87	30.02	+ .02	52.9	— 5.7	82	23	65	29	3	41	37	44	35	54	0.23	— 0.3	2	5,099	n.	29	nw.	2	20	6	2	2.1	
Independence	3,910	51	58	26.00	30.05	— .01	37.6	— 5.2	63	27	48	14	13	27	32	29	14	41	0.27	— 0.3	2	4,294	n.	48	w.	11	20	4	4	2.9	3.3
Middle Plateau.							18.3	—15.0										77	0.82	— 0.2										3.4	
Carson City	4,720	82	92	25.32	30.21	+ .13	22.0	—14.5	51	23	35	—12	6	9	40	19	16	80	1.04	— 0.4	5	3,087	s.	48	sw.	11	17	7	4	3.2	8.7
Winnemucca	4,344	59	70	25.69	30.27	+ .18	15.8	—16.7	44	24	29	—21	13	3	38	15	12	80	0.39	— 0.5	3	5,511	ne.	30	sw.	11	17	7	4	3.0	4.2
Modena	5,479	10	38	24.59	30.17	+ .13	15.0	.....	48	23	28	—17	4	2	38	12	7	72	0.85	.....	6	4,503	w.	27	sw.	11	20	1	7	2.9	9.1
Salt Lake City	4,366	105	110	25.68	30.21	+ .13	20.0	—12.9	42	10	28	— 4	14	12	23	18	13	74	0.82	— 0.5	9	3,018	se.	27	nw.	11	16	6	6	3.6	8.8
Grand Junction	4,608	43	51	25.39	30.22	+ .18	15.3	—16.0	40	24	29	—15	7	2	39	14	10	77	1.05	+ 0.5	7	2,265	nw.	17	nw.	12	14	9	5	4.1	14.0
Northern Plateau.							27.4	— 3.4										75	0.25	— 1.4										4.8	
Baker City	3,471	53	58	26.56	30.27	+ .15	22.0	— 3.0	44	10	31	— 2	13	13	27	19	15	73	0.31	— 1.4	5	4,431	se.	20	nw.	11	14	6	8	4.4	2.8
Boise	2,739	61	68	27.33	30.31	+ .19	26.2	— 8.4	46	27	34	4	14	18	23	23	19	75	0.49	— 1.1	5	2,486	w.	19	e.	7	12	10	6	4.4	5.9
Lewiston	757	52	61	29.40	30.23	+ .12	36.5	— 2.0	56	22	45	16	6	28	25	.....	.....	.....	0.19	— 1.0	1	2,708	e.	26	w.	10	12	7	9	4.9	T.
Pocatello	4,482	46	54	25.54	30.27	+ .17	17.3	— 5.7	40	10	26	—12	15	8	33	15	11	77	0.18	— 1.7	3	5,899	e.	34	sw.	10	12	14	2	4.0	2.3
Spokane	1,943	101	110	28.12	30.25	+ .16	27.7	— 0.8	52	23	37	4	6	19	27	26	21	74	0.23	— 1.8	4	2,703	e.	36	sw.	9	9	7	12	6.0	2.3
Walla Walla	1,000	65	73	29.14	30.25	+ .14	34.8	— 0.6	57	9	42	13	6	27	24	32	28	78	0.11	— 1.2	1	2,953	s.	38	sw.	9	12	9	7	4.9	1.1
N. Pac. Coast Reg.							40.3	— 0.3										78	1.98	— 3.7										5.5	
North Head	211	11	56	29.95	30.18	+ .12	42.2	+ 0.5	61	20	47	30	2	38	20	40	37	83	2.00	— 4.3	11	8,595	e.	80	s.	9	9	5	14	5.8	0.7
Port Crescent	259	13	20	29.93	.....	.....	37.8	0.0	53	23	43	24	14	32	18	.....	.....	.....	3.04	— 1.7	8	4,093	e.	22	e.	4	7	14	7	5.1	3.8
Seattle	123	114	151	30.08	30.21	+ .15	40.2	— 1.2	58	21	47	24	14	34	21	37	33	76	1.45	— 2.2	7	3,890	n.	38	sw.	9	15	8	5	4.0	0.8
Tacoma	213	113	120	29.98	30.22	+ .16	38.7	— 0.2	57	21	46	22	14	32	21	.....	.....	.....	1.35	— 4.0	8	3,037	s.	30	sw.	9	6	7	15	6.8	1.3
Tatoosh Island	86	7	57	30.06	30.15	+ .15	42.0	+ 1.2	54	23	45	34	13	39	10	40	37	85	2.83	— 5.7	11	11,640	e.	72	sw.	9	10	5	13	5.8	T.
Astoria	20	57	64	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Portland, Oreg.	154	68	96	30.04	30.20	+ .12	41.0	— 0.2	59	27	48	24	14	34	26	37	31	70	1.44	— 4.7	7	3,474	nw.	32	sw.	9	8	11	9	5.4	0.6
Roseburg	518	56	67	29.61	30.19	+ .09	40.2	— 1.9	61	28	48	21	13	32	30	37	33	77	1.73	— 3.2	9	1,974	e.	17	sw.	9	8	8	12	5.5	1.0
Mid. Pac. Coast Reg.							47.6	— 2.7										68	2.04	— 2.1										3.8	
Eureka	62	62	80	30.09	30.15	+ .04	45.1	— 1.3	64	20	52	28	13	39	22	42	38	77	3.80	— 2.7	11	4,075	n.	39	se.	7	11	9	8	4.4	
Mount Tamalpais	2,375	11	18	27.60	30.11	+ .01	41.8	.....	61	27	47	25	13	36	17	36	28	62	1.79	.....	8	11,785	nw.	56	nw.	11	15	9	4	3.3	4.5
Red Bluff	332	50	56	29.80	30.16	+ .05	44.7	— 4.3	67	27	54	27	3	35	32	39	32	64	1.53	— 2.2	4	4,906	■.	30	n.	12	17	5	6	3.2	3.0
Sacramento	69	106	117	30.05	30.13	+ .04	45.5	— 4.3	63	28	53	31	3	38	23	41	35	69	1.70	— 1.4	7	6,282	nw.	40	se.	7	13	10	5	3.8	
San Francisco	155	161	167	29.98	30.15	+ .05	48.9	— 2.8	66	26	55	37	4	43	22	44	38	68	1.76	— 1.9	7	4,898	n.	30	w.	7	15	11	2	3.3	T.
Point Reyes Light	490	7	30	29.55	30.07	.....	48.6	— 0.7	62	19	53	34	13	44	14	.....	.....	.....	1.39	— 2.4	6	10,699	nw.	74	s.	7	10	9	9	4.8	
S. Pac. Coast Reg.							49.8	— 3.7										68	1.90	— 0.7										3.0	
Fresno	330	67	70	29.75	30.11	+ .03	45.8	— 4.4	69	28	55	25	14	36	28	42	38	75	0.65	— 0.5	4	2,556	nw.	20	se.	8	16	4	8	3.9	
Los Angeles	338	116	123	29.68	30.06	.00	52.0	— 2.4	78	21	63	32	14	41	32	44	36	60	1.52	— 1.8	4	3,470	ne.	24	sw.	1	16	10	2	3.0	
San Diego	87	94	102	29.95	30.04	— .02	52.2	— 2.6	75	21	60	35	15	44	27	47	43	74	2.27	0.0	9	3,942	ne.	34	nw.	2	18	8	2	2.6	
San Luis Obispo	201	46	48	29.91	30.14	+ .03	49.0	— 5.3	73	21	61	26	16	37	38	42	35	62	3.18	— 0.6	5	3,486	n.	28	n.	10	20	5	3	2.4	
West Indies.																															
Bridgetown	30	57	65	30.00	30.03	+ .04	78.2	+ 2.9	85	14	84	69	15	73	14	72	69	74	1.19	— 0.7	14	6,635	e.	25	e.	22	9	13	6	5.0	
Grand Turk	11	6	20	30.08	30.09	+ .03	78.1	.....	86	22	83	68	20	73	16	.....	.....	.....	0.14	.....	4	.....	e.	.....	.....	.....	19	9	0	3.1	
Havana	57	87	105	30.00	30.06	+ .02	74.4	+ 2.4	86	11	81	60	18	68	18	.....	.....	.....	3.36	+ 1.1	5	8,663	e.	38	e.	19	13	8	7	4.6	
San Juan	82	48	90	30.00	30.10	+ .05	76.2	+ 1.0	85	17	82	69	17	71	16	70	68	78	1.44	— 0.9	13	8,723	e.	36	e.	23	10	17	1	4.4	

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

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	Ins.	Ins.
Alabama.					
Anniston	70[g]	11	48.0[e]	.....	
Ashville	70	11	45.8	8.88	0.3
Benton	.....	.....	.....	13.24	
Bermuda	83	21	52.8	10.81	
Birmingham	73	13	49.4	15.86	
Bridgeport	.....	.....	.....	11.33	
Burkeville	.....	.....	.....	11.75	
Calera	.....	.....	.....	10.94	
Camphill	74	16	49.1	11.42	T.
Citronelle	78	20	54.8	9.33	
Cordova	.....	.....	.....	12.01	T.
Daphne	75	24	55.3	12.19	
Decatur	74	9	48.6	11.03	T.
Demopolis	.....	.....	.....	9.59	
Dothan	77	24	54.8	5.53	T.
Eufaula	77	23	50.9	6.71	
Eutaw	80	14	47.8	10.53	T.
Evergreen	78	23	52.8	11.18	
Flomaton	82	23	54.2	10.36	T.
Florence *a*	.....	.....	.....	9.66	1.0
Florence *b*	71	3	45.4	8.01	1.4
Fort Deposit	78	18	48.6	10.33	T.
Gadsden	70	10	45.5	11.18	
Goodwater	74	13	46.5	16.66	T.
Greensboro	77	16	51.4	9.27	T.
Hamilton	73	4	45.9	9.02	3.5
Helena	.....	.....	.....	16.16	T.
Highland Home	80	18	51.6	9.57	
Letohatchie	.....	.....	.....	8.92	
Livingston *a*	82	16	50.0	15.47	
Lock No. 4	72	16	46.0	14.20	
Madison Station	71	4	46.6	11.68	1.0
Maplegrove	72	10	43.8	13.63	
Marion	76	14	48.3	9.69	T.
Milstead	.....	.....	.....	10.82	
Newbern	82	14	50.3	8.41	T.
Newburg	78	0	43.9	8.42	4.0
Notasulga	.....	.....	.....	12.86	T.
Oneonto	69	7	45.1	14.42	0.5
Ozark	79	22	52.0	3.23	
Prattville	79	15	49.8	12.31	T.
Pushmataha	80	17	50.2	13.22	
Riverton	72	3	43.0	8.94	11.0
Scottsboro	68	8	42.0	12.44	0.3
Selma	73	16	49.2	12.54	
Talladega	75	13	48.8	11.46	0.2
Tallassee	.....	.....	.....	12.27	T.
Thomasville	80	17	48.7	6.50	T.
Tuscaloosa	75	12	46.6	14.94	0.2
Tuscumbia	71	4	42.4	10.43	
Tuskegee	78	18	52.0	9.42	
Union Springs	76	20	51.2	12.33	T.
Uniontown	80	15	49.8	8.91	0.1
Valleyhead	68	7	45.4	11.42	0.5
Verbena	.....	.....	.....	15.16	
Wetumpka	77	19	51.0	11.50	
Alaska.					
Copper Center	43	—55	8.0	0.05	0.5
Killisnoo	40	8	30.8	2.40	7.0
Sitka	44	10	34.0	8.68	16.0
Skagway	44	— 1	27.1	1.44	4.5
Arizona.					
Agua Caliente	82	21	50.5	0.04	
Allaire Ranch	.....	.....	.....	0.54	4.8
Arizona Canal Co's Dam	76	29	51.6	1.41	
Aztec	84	30	54.0	T.	
Bisbee	66	15	43.2	1.17	11.9
Bowie	68	19	44.0	0.61	6.1
Buckeye	80	21	48.3	0.00	0.0
Casagrande	.....	.....	.....	0.66	
Cochise *[5]	75	27	44.1	4.20	
Congress	68	26	46.0	0.40	0.5
Dragoon Summit	.....	.....	.....	1.15	11.5
Dudleyville	79	21	46.2	0.92	T.
Duncan	75	11	40.4	0.10	1.0
Fort Apache	64	4	34.1	1.30	13.0
Fort Defiance	45	—18	19.8	2.47	24.7
Fort Grant	66	25	46.1	0.09	0.9
Fort Huachuca	69	19	44.5	0.95	9.5
Globe	68	21	41.2	0.40	3.5
Jerome	61	13	38.2	0.46	4.6
Maricopa	77	24	46.8	0.47	
Mesa	78	24	48.6	0.92	T.
Mesa (near)	77	23	46.7	0.82	
Mount Huachuca	69	18	43.4	0.69	.....
Mohawk Summit *[1]	80	34	53.3	.....	.....
Natural Bridge	.....	.....	.....	2.64	27.0
Nogales	71	19	45.1	0.50	2.2
Oracle	61	16	41.8	2.75	13.0
Oro	.....	.....	.....	0.48	
Phoenix	78	24	47.7	0.50	
Pima	72	16	44.0	0.46	T.
Prescott	60	— 6	30.8	1.40	14.0
San Simon	72	18	44.6	1.05	7.0
Sentinel *[1]	78	30	52.3	.....	.....
Showlow	.....	.....	.....	2.96	29.0
Signal	80	16	45.4	0.49	.....
Superstition	.....	.....	.....	2.25	6.0
Arizona—Cont'd.					
Taylor	57	—11	26.8	2.04	24.0
Tonto	70	20	45.9	1.40	4.0
Tuba	55	8	30.2	0.20	2.0
Tucson	76	24	45.3	1.11	4.9
Vail *[5]	76	27	50.6	2.15	21.5
Walnut Grove	.....	.....	.....	0.40	4.0
Willcox *[1]	68	16	40.0	0.73	7.3
Yarnell	.....	.....	.....	0.77	5.0
Arkansas.					
Alco	73	— 4	39.0	7.40	2.2
Amity	74	3	43.2	9.30	1.0
Arkadelphia	74	3	44.4	9.39	2.0
Arkansas City	.....	.....	.....	8.96	
Batesville	72	— 3	40.8	6.92	.....
Beebranch	74[d]	7[e]	43.9[e]	6.85	3.5
Blanchard	70	5	46.2	9.35	2.0
Brinkley	74	3	42.5	5.31	4.0
Camden *a*	.....	.....	.....	6.95	4.0
Camden *b*	75[d]	10	44.6[e]	7.62	2.0
Conway	75	- 2	40.8	8.64	2.5
Corning	73	- 3	37.5	8.20	4.6
Dallas	72	- 3	43.6	7.52	3.0
Dardanelle	.....	.....	.....	6.30	0.4
Dodd City	70	.....	.....	5.30	2.5
Dutton	68	— 7	36.4	6.40	4.0
Eureka Springs	67	— 4	36.6	5.26	3.0
Fayetteville	71	— 7	35.8	4.89	2.0
Forrest City	72	— 1	39.0	7.81	7.0
Fulton	.....	.....	.....	9.73	.....
Hardy	69	— 6	38.4	5.56	2.0
Helena *a*	.....	.....	.....	7.92	.....
Helena *b*	.....	.....	.....	7.77	1.0
Jonesboro	75	9	42.0	7.23	.....
Lacrosse	66[e]	— 5	36.9	.....	.....
Lake Village	71	13	46.6	8.92	3.0
Lonoke	75	1	43.4	6.73	2.5
Lutherville	75	— 6	37.2	8.04	6.0
Malvern	77	0	42.2	9.20	2.0
Marianna	70	4	42.4	8.12	4.0
Marvell	70	3	43.8	9.63	3.0
Mossville	65	3	36.0	7.46	5.9
Mountain Home	70	— 9	36.2	4.96	2.0
Mount Nebo	66	0	37.8	6.98	5.0
New Gascony	71	.....	.....	11.12	2.5
Newport *a*	.....	.....	.....	8.39	5.0
Newport *b*	73	0	40.6	7.54	.....
Newport *c*	73	0	41.2	7.99	4.8
Oregon	70	2	36.2	5.62	2.5
Ozark	71	0	40.1	7.02	4.5
Paragould	79	— 4	39.0	8.05	4.0
Perry	72	1	41.2	8.26	6.0
Pinebluff	70	2	41.4	9.44	3.0
Pocahontas	72	—12	37.3	7.96	0.4
Pond	69	—12	35.2	3.44	2.0
Prescott	71	5	44.8	11.82	3.4
Princeton	70	— 2	43.6	9.15	4.0
Rison	69	4	40.4	.....	.....
Rosadale	71	3	45.6	8.84	5.0
Russellville	72	— 4	41.2	4.18	4.0
Silversprings	68	— 4	36.5	3.15	3.3
Spielerville	75	— 4	40.3	8.46	4.0
Stuttgart	70	3	42.6	9.27	2.8
Texarkana	76	9	49.2	7.80	3.0
Warren	71	10	42.7	9.44	4.0
Washington	75	4	46.2	10.38	2.7
Wiggs	76	— 2	43.0	9.90	3.2
Winchester	68	10	43.7	9.02	
Winslow	66	— 4	36.0	6.60	6.0
Witts Springs	68[f]	5[f]	37.6[f]	6.50	1.0
California.					
Angiola	73	18	43.2	0.11	
Azusa	80	28	52.2	1.57	T.
Bagdad	76	25	49.4	0.12	
Bakersfield	73	21	45.1	0.59	
Ballast Point L. H	.....	.....	.....	2.21	
Barstow	79	24	43.2	0.55	1.5
Berkeley	62	31	46.1	2.05	T.
Bishop	69	4	36.4	0.20	2.5
Boca *[1]	48	—30	14.2	1.50	15.0
Bodie	40	—36	11.3	1.04	9.0
Bowman	55	1	29.1	5.99	44.0
Branscomb	.....	.....	.....	6.82	11.3
Campbell	67	25	44.8	1.64	
Campo	.....	.....	.....	4.93	16.0
Cape Mendocino L. H	.....	.....	.....	2.95	
Cedarville	45	— 6	23.2	0.50	4.0
Chico	71	20	44.3	2.15	T.
Cisco *[1]	45	3	22.2	2.80	28.0
Claremont	76	26	47.0	0.45	
Cloverdale	71	25	46.8	2.80	4.5
Colusa	66	27	44.0	1.27	2.0
Corning *[1]	70	30	44.1	1.20	T.
Coronado	78	33	53.2	2.18	
Crescent City	67	29	44.8	6.06	
Crescent City L. H	.....	.....	.....	3.34	
Cuyamaca	52	— 1	28.2	7.31	42.0
Delano *[1]	68	30	47.8	1.15	
Delta *[1]	68	23	41.1	3.67	11.0
California—Cont'd.					
Drytown	65	20	43.0	1.70	
Dunnigan *[1]	68	30	47.7	1.26	2.0
Durham *[5]	67	26	44.0	1.77	T.
East Brother L. H	.....	.....	.....	1.30	
Elcajon	79	29	49.8	2.97	
Elmdale	69	22	44.1	0.72	
Elsinore	82	24	49.0	2.50	
Escondido	79	22	46.8	3.67	
Fallbrook	76	28	47.4	3.33	
Folsom *[1]	68	25	44.8	1.57	
Fordyce Dam	.....	.....	.....	3.20	38.0
Fort Bragg	.....	.....	.....	2.16	
Fort Ross	60	27	45.6	5.21	
Foster	.....	.....	.....	4.31	
Georgetown	63	20	40.4	2.72	12.0
Gilroy (near)	73	21	45.8	1.30	
Glendora	.....	.....	.....	1.18	
Greenville	57	—11	26.6	2.36	23.5
Hanford	72	18	41.3	0.38	
Healdsburg	71	21	45.7	3.36	2.8
Hollister	72	19	45.2	1.36	
Humboldt L. H	.....	.....	.....	3.21	
Idylwild	.....	.....	.....	3.00	30.0
Imperial	94	26	55.8	0.06	
Indio *[1]	85	28	55.0	0.00	
Iowa Hill *[1]	63	24	41.0	3.39	6.5
Irvine	78	32	52.4	.....	.....
Jackson	65	21	43.9	1.62	4.0
Jamestown	64	21	41.6	1.60	T.
Jolon	.....	.....	.....	0.93	
Kennedy Gold Mine	59	16	37.8	1.80	
Kent	66	24	45.7	4.00	
Kernville	.....	.....	.....	1.75	10.0
Lakeport (near)	60	27	42.4	2.02	4.0
Lamesa	.....	.....	.....	3.38	
Laporte *[1]	56	10	28.2	3.14	29.4
Legrand	68	21	44.0	0.98	
Lemoncove	71	28	47.0	0.94	T.
Lick Observatory	54	14	34.9	2.20	24.0
Lime Point L. H	.....	.....	.....	0.95	
Livermore	73	26	46.6	0.94	0.5
Lodi	65	24	43.0	1.79	
Los Gatos [b]	67	29	45.9	2.51	T.
Mammoth *[1]	79	31	56.4	0.00	
Manzana	69	14	40.4	0.96	4.0
Mare Island L. H	.....	.....	.....	1.62	
Merced	70	23	42.8	0.63	
Mercury	72	26	49.6	3.05	4.5
Mills College	.....	.....	.....	1.99	T.
Milo	.....	.....	.....	1.80	6.0
Milton (near)	63	25	44.6	0.96	
Modesto *[1]	78	30	51.2	0.68	
Mohave	67	15	42.0	0.50	5.0
Mokelumne Hill	.....	.....	.....	1.65	3.0
Montague	59	1	33.2	0.10	T.
Monterio	70	14	41.2	1.90	
Monterey *[1]	62	26	48.1	1.88	
Montrose	.....	.....	.....	0.95	.....
Mount St. Helena	.....	.....	.....	7.96	8.0
Napa	72	26	46.8	2.11	T.
Needles	83	23	49.8	0.00	
Nevada City	68	7	37.7	2.36	16.0
Newhall *[5]	75	20	53.4	1.77	
Newman	68	24	45.1	0.78	
Niles	68	28	47.0	1.36	T.
North Bloomfield	64	10	36.8	2.80	24.0
North San Juan	68	17	40.6	2.60	15.0
Oakland	65	32	46.8	1.68	T.
Ogilby *[1]	82	38	52.9	T.	T.
Ontario	78	26	49.2	2.11	
Orland *[1]	65	28	45.2	1.70	
Palermo	72	21	43.8	1.12	T.
Paso Robles	68	15	41.7	1.35	
Peachland	68	28	46.3	3.60	3.0
Piedras Blancas L. H	.....	.....	.....	1.56	
Pigeon Point L. H	.....	.....	.....	1.00	
Pilot Creek	.....	.....	.....	3.97	22.5
Pine Crest	74	31	52.2	1.43	
Placerville	61	16	38.8	2.35	4.5
Point Ano Nuevo L. H	.....	.....	.....	1.63	
Point Arena L. H	.....	.....	.....	2.82	
Point Bonita L. H	.....	.....	.....	1.72	
Point Conception L. H	.....	.....	.....	1.08	
Point Fermin L. H	.....	.....	.....	0.93	
Point George L. H	.....	.....	.....	2.80	
Point Hueneme L. H	.....	.....	.....	1.51	
Point Lobos	60	36	47.6	1.72	
Point Loma L. H	.....	.....	.....	1.01	
Point Montara L. H	.....	.....	.....	1.75	
Point Pinos L. H	.....	.....	.....	1.76	
Point Sur L. H	.....	.....	.....	1.76	
Porterville	72	25	46.1	0.78	
Poway	.....	.....	.....	2.83	T.
Quincy	51	— 9	25.8	2.17	22.0
Redding	66	28	44.7	2.68	9.0
Redlands	79	25	48.6	1.41	T.
Reedley	71	25	45.6	0.97	
Represa	62	26	43.0	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.*
Riovista	66	28	45.0	1.47	
Riverside	82	24	48.4	1.24	T.
Roe Island L. H.	.....	.....	.....	0.93	
Rohnerville *[b]	64	23	45.2	3.48	
Rosewood	64	16	40.6	2.05	12.0
Sacramento	64	26	44.6	1.86	T.
Salinas	71	24	46.4	1.38	
Salton *[1]	82	30	56.4	0.15	
San Bernardino	82	22	49.1	1.67	0.5
San Jacinto	76	22	46.2	1.37	
San Jose	72	25	47.8	1.27	T.
San Leandro	66	24	45.2	1.94	
San Luis L. H.	.....	.....	.....	2.17	
San Mateo *[1]	65	32	48.0	2.45	
San Miguel *[1]	69	21	44.8	1.06	
San Miguel Island	65	31	50.0	3.92	
Santa Barbara	76	32	51.1	1.63	T.
Santa Barbara L. H	.....	.....	.....	1.67	
Santa Clara	.....	.....	.....	1.52	
Santa Clara College	71	23	46.2	1.50	
Santa Cruz	73	22	46.0	2.07	
Santa Cruz L. H.	.....	.....	.....	2.67	
Santa Maria	75	25	49.6	1.91	
Santa Monica	69	32	49.3	2.11	
Santa Paula	78	30	54.2	1.30	
Santa Rosa	70	21	44.8	2.58	T.
Sausalito	.....	.....	.....	4.45	
Shasta	69	20	44.6	1.84	16.0
Sierra Madre	72	33	50.0	1.78	T.
Snedden	.....	.....	.....	0.75	
Sonoma	.....	.....	.....	2.01	T.
S. E Farallone L. H	.....	.....	.....	1.49	
Stockton	65	24	43.5	1.12	
Storey	67	23	43.7	0.78	
Summerdale	61	4	34.0	3.70	37.0
Susanville	47	—11	17.0	1.13	15.0
Tehama *[1]	68	30	46.4	1.30	
Tejon Ranch	68	25	46.4	1.27	2.0
Trimmer	.....	.....	.....	1.78	4.0
Trinidad L. H	.....	.....	.....	3.40	
Truckee *[1]	48	—28	15.8	1.00	10.0
Tulare *c*	78	22	46.2	0.68	
Tustin	72	39	55.4	1.18	
Ukiah	70	18	43.6	2.50	4.5
Upland	78	26	47.8	2.10	
Upperlake	70	16	42.9	1.91	1.8
Upper Mattole *[1]	69	25	44.2	6.62	0.5
Vacaville *[1]	68	27	45.4	1.83	1.0
Visalia	.....	.....	.....	0.60	
Volcano Springs *[1]	85	33	58.1	0.00	
Wasco	74	19	43.5	0.65	
Westpoint	.....	.....	.....	4.69	31.5
West Saticoy	.....	.....	.....	1.00	
Wheatland	65	25	43.4	1.66	2.0
Williams *[1]	66	32	47.1	1.34	2.0
Willits	64	24	43.4	4.15	10.0
Willow	66	25	43.9	1.35	T.
Yerba Buena L. H.	.....	.....	.....	0.75	
Yuba City *[b]	68	29	47.0	1.63	1.5
Zenia	65	18	40.0	5.37	3.0
Colorado.					
Alford	53	—24	17.2	0.95	16.0
Ashcroft	36	—19	10.8	1.04	16.5
Blaine	63	—12	24.8	1.90	19.0
Boulder	54	—12	22.8	1.52	19.5
Boxelder	.....	.....	.....	2.48	30.0
Breckenridge	29	—24	6.4	0.99	16.4
Buenavista	.....	.....	.....	1.45	22.0
Canyon	57	—13	24.1	2.16	27.0
Castlerock	50	—19	19.2	1.32	14.0
Cedaredge	58	— 8	22.2	1.08	17.0
Cheesman	55	—26	18.4	1.15	17.1
Cheyenne Wells	53	—10	21.0	0.79	12.0
Clearview	42	—14	17.0	1.24	21.5
Colorado Springs	50	—12	20.6	0.70	10.8
Collbran	45	—21	16.0	1.77	24.0
Delta	42	—14	16.0	0.13	1.5
Durango	47	—11	24.1	1.24	21.5
Fort Collins	46	—28	14.0	1.60	20.8
Fort Morgan	41	—20	14.6	0.45	6.0
Fox	54	—14	20.1	1.51	14.5
Fruita	45	—23	12.7	1.55	18.5
Garnett	44	—18	16.7	0.28	6.1
Gilman	.....	.....	.....	1.60	23.5
Gleneyre	52	—14	19.7	1.29	14.5
Glenwood	41	—22	17.2	0.70	11.0
Greeley	45	—22	16.3	0.68	9.5
Gunnison	37	—31	7.4	0.30	5.5
Hamps	52	—13	18.7	0.76	10.8
Hoehne	59	—25	20.4	0.97	13.5
Holyoke (near)	59	—26	19.0	0.75	13.5
Husted	49	—20	17.4	0.82	12.0
Lake Moraine	40	—17	12.4	2.79	31.5
Lamar	61	—12	25.4	2.04	26.5
Laporte	.....	.....	.....	1.69	22.2
Las Animas	61	—16	24.5	2.13	21.5
Lay	41	—45	6.6	0.97	24.0
Leadville (near)	.....	.....	.....	1.12	20.0
Colorado—Cont'd.	°	°	°	*Ins.*	*Ins.*
Leroy	40	—15	16.8	1.50	12.0
Longs Peak	40	—22	11.0	1.70	24.0
Mancos	46	—20	19.9	1.77	26.4
Marshall Pass	.....	.....	.....	2.04	31.0
Meeker	43	—34	11.5	1.77	21.7
Moraine	40	—22	11.6	0.95	15.5
Pagoda	41	—26	11.7	1.91	30.0
Parachute	43	—18	17.3	1.04	17.1
Platte Canon	.....	.....	.....	1.39	11.5
Rangely	.....	—34	.....	1.29	21.6
Rockyford	61	—15	24.8	1.05	8.0
Rogers Mesa	46	—10	17.3	0.57	9.9
Ruby	.....	.....	.....	4.00	61.0
Russell	45	—19	12.7	1.61	20.5
Saguache	42	— 8	19.0	0.33	5.2
Salida	48	—25	18.5	3.06	35.0
San Luis	43	—20	17.4	0.93	11.0
Santa Clara	49	—11	19.8	1.30	29.0
Silt	44	— 9	19.8	1.13	22.0
Sugarloaf	44	—16	16.3	1.40	21.0
Trinidad	54	—10	24.1	1.51	20.0
Twinlakes	.....	.....	.....	0.77	14.5
Vilas	.....	.....	.....	2.20	22.0
Wagon Wheel	42	—40	7.2	1.47	24.0
Wallet	.....	.....	.....	1.42	21.0
Waterdale	51	—25	17.4	1.69	20.5
Westcliffe	46	—17	16.4	2.40	38.1
Whitepine	33[d]	—24[d]	7.0[d]	1.62	24.3
Wray	55	—13	22.0	1.98	17.5
Yuma	.....	.....	.....	1.88	22.0
Connecticut.					
Bridgeport	55	1	31.0	5.38	11.2
Canton	58	—15	26.2	4.46	12.0
Colchester	58	— 2	30.4	6.12	16.5
Falls Village	.....	.....	.....	4.39	14.5
Gaylordsville	.....	.....	.....	4.62	1.1
Hartford	54	— 2	29.1	4.92	14.0
Hawleyville	55	— 5	28.2	4.51	12.5
Lake Konomoc	.....	.....	.....	5.80	.....
New London	50	2	31.0	4.04	13.0
North Grosvenor Dale	58	—12	27.4	5.54	.....
Norwalk	56	—12	29.0	4.93	10.0
South Manchester	.....	.....	.....	3.71	15.0
Storrs	57	— 4	27.8	5.18	17.2
Voluntown	57	—12	29.9	6.80	12.0
Wallingford	.....	.....	.....	5.58	10.0
Waterbury	57	— 8	29.4	4.32	13.0
West Cornwall	54	— 7	26.3	4.97	16.2
West Simsbury	.....	.....	.....	5.18	15.0
Delaware.					
Delaware City	.....	.....	.....	3.23	3.0
Milford	69	6	39.2	6.82	0.5
Millsboro	69	6	37.9	6.04	T.
Newark	68	— 1	33.4	4.84	4.0
Seaford	69	6	38.4	6.90	T.
District of Columbia.					
Distributing Reservoir *[b]	69	5	37.2	4.16	.....
Receiving Reservoir *[b]	70	5	36.9	4.07	.....
West Washington	74	2	37.4	5.93	4.4
Florida.					
Archer	84	26	60.8	5.58	
Avon Park	87	36	67.6	5.40	
Bartow	90	35	69.4	4.87	
Bonifay	81	23	57.0	6.06	
Brooksville	86	29	63.7	7.04	
Carrabelle	73	25	57.7	6.07	
Clermont	89	31	66.4	5.55	
De Funiak Springs	80	20	55.2	6.41	
Deland	86	28	64.0	.....	
Eustis	88	31	65.2	5.72	
Federal Point	87	32	61.5	5.46	
Fernandina	82	29	57.0	6.49	
Flamingo	85	44	72.0	1.35	
Fort George *[1]	82	26	58.0	.....	
Fort Meade	88	28	67.0	6.12	
Fort Myers	84	38	66.9	3.37	
Fort Pierce	88	37	67.8	10.19	
Gainesville	87	26	61.2	5.29	
Grasmere	83	29	63.8	.....	
Huntington	90	28	63.0	5.08	
Hypoluxo	86	41	72.2	4.70	
Inverness	83	31	62.2	5.08	
Jasper	83	25	58.6	5.57	
Johnstown [k]	82	33	63.0	3.44	
Kissimmee	86	32	65.4	5.04	
Lake City	82	25	59.8	4.55	
Macclenny	84	24	59.6	5.59	
Malabar	87	34	67.2	5.09	
Manatee	87	34	67.2	4.09	
Marco	86	42	71.0	6.14	
Marianna	78	22	55.6	5.34	
Merritt Island	83	36	65.6	6.39	
Miami	86	45	73.3	4.70	
Micanopy	83	29	60.2	5.51	
Middleburg	84	22	60.2	6.84	
Molino	78	24	55.6	12 69	
New Smyrna	85	31	63.5	5.72	
Nocatee	88	39	67.8	5.54	
Florida—Cont'd.	°	°	°	*Ins.*	*Ins.*
Ocala	87	25	62.0	5.57	
Orange City	89	26	64.4	5.99	
Orlando [c]	89	31	66.2	5.48	
Pinemount	84	23	58.0	5.51	
Plant City	86	31	65.4	4.91	
Quincy	79	21	53.4	6.02	
St. Andrews	72	23	54.4	7.34	
St. Augustine	85	26	60.8	4.47	
St. Leo	87	29	65.4	5.72	
Stephensville	84	23	58.7	5.29	
Sumner	83	26	60.3	5.24	
Switzerland	82	29	59.9	4.50	
Tallahassee	75	25	56.3	5.35	
Tarpon Springs	89	31	65.0	6.52	
Titusville	87	30	65.2	6.47	
Waukeenah	82	22	56.4	5.70	
Wausau	83	21	57.2	6.22	
Wewahitchka	81	26	57.4	6.88	
Georgia.					
Adairsville	69	12	45.4	14.31	T.
Albany	78	30	56.2	4.96	T.
Alpharetta	68	12	45.8	11.95	T.
Americus	76	19	50.2	7.05	T.
Athens	68	16	45.4	10.69	
Blakely	77	15	50.8	6.05	
Bowersville	68	15	45.4	9.57	
Brent	78	16	49.6	10.70	
Butler	.....	.....	.....	7.49	T.
Camak	74	16	47.3	10.26	
Canton	.....	.....	.....	10.79	
Carlton	.....	.....	.....	9.46	
Clayton	66	11	43.2	14.41	
Columbus	79[d]	21[d]	51.6[d]	9.94	
Coney	81	23	53.6	6.68	
Covington	78	15	47.2	10.45	T.
Dahlonega	68	10	43.8	14.11	T.
Dawson	81	23	54.6	.....	T.
Diamond	68	9	44.1	13.08	T.
Douglas	86	22	56.4	5.12	
Dublin	.....	.....	.....	5.12	
Dudley	80	19	52.6	5.93	T.
Eastman	.....	23	.....	4.48	
Eatonton	76	17	49.2	9.57	
Elberton	71	15	47.8	9.51	
Experiment	73	14	48.2	11.58	T.
Fleming	85	18	54.9	5.20	
Fort Gaines	76	23	51.0	6.35	
Gainesville	65	15	43.2	11.81	
Gillsville	68	13	46.7	12.64	
Greensboro	73	15	46.0	11.45	
Griffin	75	15	48.6	11.60	
Harrison	80	21	51.4	5.65	
Hawkinsville	80	21	51.4	5.40	
Hephzibah	76	18	50.9	.....	
Jesup	83	22	56.2	4.14	
Lost Mountain	74	11	46.8	12.33	
Louisville	77	20	51.6	5.78	
Lumpkin	80	19	52.2	9.48	T.
Marshallville	79[c]	23[c]	51.6[c]	7.19	
Mauzy	80	20	56.1	5.14	T.
Milledgeville	76	20	47.8	7.79	
Millen	86[b]	20[e]	52.8[f]	3.33	
Monticello	76	16	49.0	11.15	
Morgan	.....	.....	.....	4.72	
Naylor	82	24	56.1	5.18	
Newnan	76	14	45.5	9.42	
Oakdale	.....	.....	.....	13.48	
Point Peter	70	15	48.0	10.12	
Poulan	81	19	52.4	.....	
Putnam	79	20	51.3	7.85	
Quitman	80	23	55.9	4.08	
Ramsey	66	12	45.6	11.96	T.
Resaca	.....	.....	.....	12.70	
Rome	70	12	45.4	13.45	T.
St. Marys	82	23	58.4	5.77	
Statesboro	81	21	54.0	3.10	
Stillmore	83	18	50.6	3.72	T.
Talbotton	79	19	49.6	7.04	T.
Tallapoosa	70	10	44.3	10.34	T.
Thomasville	71	23	56.2	6.43	
Toccoa	68	13	44.6	11.84	
Valona	82	22	55.6	6.24	
Vidalia	80	23	53.6	5.29	
Washington	82[c]	22[c]	51.8[c]	11.35	
Waverly	88	22	56.6	5.64	
Waycross	81	24	55.8	3.63	
Waynesboro	77	20	49.5	6.81	
Westpoint	77	17	47.4	13.69	
Woodbury	76	16	46.6	10.63	
Idaho.					
Albion	43	—19	19.4	0.85	8.5
American Falls	40	—20	14.4	0.57	6.0
Blackfoot	41	—27	12.6	0.00	
Blue Lakes	45	—10	23.2	0.64	3.0
Burnside	39	—16	11.4	0.10	2.0
Cambridge	42[d]	—20[d]	13.4[d]	0.82	8.2
Chesterfield	36	—37	5.7	0.06	3.0
Dickey	32	—25[e]	5.4[e]	0.00	

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Idaho—Cont'd.	°	°	°	*Ins.*	*Ins.*
Forney	51	−21	17.8	0.26	2.2
Garnet	48	−3	25.4	0.10	1.0
Grangeville	50	1	27.5	0.30	3.0
Lake	36	−20	9.2	0.80	8.0
Lakeview	48	4	27.6	0.76	6.5
Lost River	41	−22	11.1	T.	T.
Moscow	49	4	30.6	0.22	2.2
Murray	45	−5	22.8	0.98	17.0
Oakley	47	−11	20.0	T.	T.
Ola [a]	46	−15	19.6	0.25	4.0
Paris	35	−33	4.6	.....	.....
Payette	51	−12	23.4	0.80	8.0
Pollock	54	8	33.2	0.11	.....
Porthill	43	1	21.9	0.31	3.0
Priest River	48[e]	−5[e]	21.7[e]	0.77	6.5
Riddle	46	−33	11.3	1.15	11.5
St. Maries	58	−5	29.8	0.69	4.8
Silver City	43	−7	19.6	2.21	2.2
Soldier	38	−37	3.8	0.37	5.6
Vernon	50	−22	13.2	0.62	6.7
Weston	40	−25	11.6	0.10	1.0
Illinois.					
Albion	60	−6	33.4	4.59	1.6
Aledo	50	−16	23.8	1.53	9.0
Alexander	56	−19	27.9	2.93	7.3
Antioch	47	−14	21.1	0.60	6.0
Ashton	51	−18	22.0	1.32	10.1
Astoria	53	−15	26.1	3.13	15.2
Aurora	52	−14	23.0	1.94	10.0
Benton	66	−5	36.2	4.31	2.0
Bloomington	59	−16	26.8	3.32	10.9
Cambridge	51	−15	23.2	1.85	18.1
Carlinville	60	−13	29.4	3.76	10.0
Carrollton	56	−9	29.2	3.27	.....
Centralia	63	−6	33.8	3.26	3.5
Charleston	54	−12	29.2	2.97	10.5
Chester	.....	.....	.....	3.71	3.0
Chicago Heights	.....	.....	.....	2.62	17.0
Cisne	63	−9	34.0	3.19	1.0
Coatsburg	53	−18	25.8	1.95	8.2
Cobden	68	−7	36.2	4.76	0.3
Danville	56[h]	−12[g]	27.1[g]	.....	.....
Decatur	59	−18	27.8	4.13	14.4
Dixon	54	−14	21.6	0.90	6.0
Dwight	60	−12	25.6	3.17	25.0
Effingham	65	−11	32.6	3.55	11.0
Equality	65	−4	36.2	4.44	3.2
Fandon	50	−17	26.4	1.48	8.0
Flora	61[e]	−2	33.8[e]	2.02	2.4
Friendgrove	61	−5	33.8	5.15	1.9
Galva	51	−18	23.6	1.95	14.5
Grafton	.....	.....	.....	3.28	7.5
Greenville	61	−11	31.2	3.48	8.3
Griggsville	59	−16	28.2	2.62	.....
Halfway	65	−4	35.6	4.65	3.0
Halliday	67	−5	35.8	3.65	.....
Henry	53	−19	25.8	2.59	15.0
Hillsboro	61	−13	30.5	3.16	9.0
Hoopeston	52	−17	26.8	3.03	16.0
Joliet	50	−12	23.1	2.92	14.4
Kishwaukee	52	−18	21.3	1.19	9.0
Knoxville	52	−18	23.0	1.72	7.0
Lagrange	48	−12	23.6	2.90	24.5
Laharpe	50	−18	25.0	2.13	8.5
Lanark	51	−17	20.8	1.90	9.4
La Salle	54	−15	25.0	1.27	.....
Loami	.....	.....	.....	2.47	7.5
McLeansboro	64	−5	34.5	4.86	2.0
Martinton	52	−15	25.2	2.00	13.0
Mascoutah	60	−6	32.0	4.74	6.5
Mattoon	68	−8	33.5	1.95	10.5
Minonk	55	−16	24.2	2.16	8.5
Monmouth	52	−18	22.8	1.66	8.3
Monticello	60	−16	25.8	1.50	24.0
Morrison	51	−18	22.7	1.47	8.2
Morrisonville	60	−14	28.8	3.25	11.2
Mount Carmel	.....	.....	.....	5.46	6.4
Mount Pulaski	57	−17	27.4	3.06	12.0
Mount Vernon	64	−1	35.8	3.37	2.5
New Burnside	65	−6	35.6	4.90	2.0
Olney	62	−7	33.4	4.02	2.8
Ottawa	57	−13	27.0	2.35	14.5
Palestine	55	−9	30.3	3.97	3.0
Pana	58	−17	27.0	4.15	14.5
Paris	55	−12	28.4	2.45	.....
Peoria *a*	.....	.....	.....	2.50	7.6
Peoria *b*	54	−13	27.1	1.70	4.5
Philo	55	−15	26.2	3.16	15.0
Plumhill	64	−6	33.5	2.89	2.5
Pontiac	57	−14	26.7	3.23	12.0
Rantoul	55	−17	26.6	3.23	17.0
Raum	64	−10	35.6	5.22	6.0
Riley	47	−15	22.0	1.33	10.2
Robinson	59	−10	31.3	5.10	6.0
Rushville	52	−17	26.2	1.50	5.5
St. Charles	51	−14	23.8	2.55	8.0
St. John	65	−4	34.2	3.64	T.
Shobonier	57	−8	31.9	2.51	4.0

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Illinois—Cont'd.	°	°	°	*Ins.*	*Ins.*
Streator	50	−15	23.4	2.52	5.0
Sullivan	56	−16	28.4	2.53	11.5
Sycamore	50	−16	23.4	1.87	12.5
Tilden	65	−7	33.4	2.89	3.8
Tiskilwa	49	−19	22.2	2.95	15.0
Tuscola	56	−14	27.4	3.20	10.0
Urbana	55	−17	25.6	2.40	12.0
Walnut	52	−17	24.4	1.88	14.1
Winchester	55	−13	27.8	3.89	7.8
Winnebago	52	−16	22.3	1.81	7.0
Yorkville	52	−15	23.2	1.78	5.5
Zion	50	−16	23.2	1.17	9.0
Indiana.					
Anderson	56	−8	29.4	3.74	7.2
Angola	48	−10	24.7	4.15	12.6
Auburn	50	−13	25.0	3.89	.....
Avoca	61	−15	32.2	5.77	5.0
Bloomington	62	−7	33.0	6.00	5.5
Bluffton	54	−13	26.2	3.30	7.0
Butlerville	63	−10	33.0	7.18	7.8
Cambridge City	58	−12	28.2	4.93	6.0
Columbus	63	−7	33.0	5.27	3.0
Connersville	59	−10	30.4	3.82	4.5
Crawfordsville	59	−6	31.9	1.90	12.0
Delphi	51	−12	25.4	4.08	14.5
Edwardsville *[1]	65	−4	36.0	6.52	5.5
Elkhart	47	−7	24.4	1.76	15.6
Farmland	59	−6	30.4	3.82	14.7
Fort Wayne	53	−9	27.4	4.61	12.0
Franklin*[1]	59	−3	32.4	.....	.....
Greencastle	63	−10	30.8	3.48	6.9
Greensburg	62	−7	31.9	6.04	3.0
Hammond	46	−9	23.3	3.36	28.0
Hector	54	−11	26.0	3.90	5.0
Holland	65	−11	35.0	6.03	3.5
Huntington	52	−8	25.7	4.31	15.5
Jeffersonville	65	0	36.3	6.26	6.0
Kokomo	55	−10	28.4	3.36	14.6
Lafayette	53	−13	27.8	3.25	13.2
Laporte	47	−6	25.6	3.12	21.4
Logansport	52	−10	26.0	3.22	8.9
Madison *a*	65	−8	35.0	5.21	5.5
Madison *b*	.....	.....	.....	4.86	6.0
Marengo	66	−17	34.8	7.87	8.3
Marion	53	−12	27.4	4.29	16.5
Markle	54	−12	26.8	4.55	14.5
Mauzy	60	−11	29.7	4.90	5.0
Moores Hill	64	−7	33.0	5.43	3.0
Mount Vernon	69	−4	33.3	5.19	4.0
Northfield	55	−13	26.8	2.90	13.0
Paoli	59	−9	33.9	6.11	7.5
Prairie Creek	60[e]	−10[e]	30.7[e]	3.77	
Princeton	62	−6	34.6	5.00	6.0
Rensselaer	49	−14	26.9	3.49	16.5
Richmond	59	−13	30.0	4.46	4.1
Rockville	57	−13	29.6	3.02	11.0
Salem	65	−14	34.8	6.61	8.0
Scottsburg	64	−9	35.0	5.92	5.0
Seymour	64	−6	33.8	6.05	7.0
South Bend	49	−9	24.2	3.33	18.0
Syracuse	48	−10	25.1	3.99	21.2
Terre Haute	58	−8	30.7	3.67	10.5
Topeka	47	−10	23.2	1.25	9.5
Valparaiso	49	−13	23.3	2.74	.....
Veedersburg	57[e]	−14[e]	28.2[e]	3.37	20.8
Vevay	67	−4	35.8	5.45	8.0
Vincennes	61	−5	32.2	4.59	2.2
Washington	59	−5	32.1	4.94	3.5
Winamac	.....	.....	.....	3.35	15.0
Worthington	58	−10	32.5	5.58	6.0
Indian Territory.					
Ardmore	66	6	39.8	5.95	7.0
Chickasha	71	6	36.5	2.44	1.0
Durant	72	−2	41.2	5.35	0.7
Fairland	68	−4	34.7	2.83	2.5
Goodwater	77	−1	44.2	5.70	6.0
Hartshorne	75	8	41.2	7.12	.....
Healdton	74	−1	38.6	6.09	5.0
Holdenville	72	4	39.2	4.36	3.0
Marlow	67	5	35.8	4.38	2.0
Muskogee	70	4	37.0	3.33	3.0
Pauls Valley [f]	63	0	33.0	2.90	.....
Ravia	71	3	39.8	5.21	2.0
South McAlester	.....	.....	.....	5.83	3.0
Tahlequah	70	0	38.8	4.37	2.7
Tulsa	.....	.....	.....	3.18	.....
Webbers Falls	.....	.....	.....	4.68	1.0
Iowa.					
Afton	50	−14	21.6	0.96	8.0
Albia	53	−14	23.4	1.46	12.0
Algona	40	−20	17.0	0.95	5.5
Allerton	55	−16	23.0	1.17	5.8
Alta	40	−19	15.9	0.93	6.1
Amana	49	−13	21.7	1.47	10.9
Ames	47	−14	19.6	0.94	5.0
Atlantic	45	−15	20.3	2.10	14.0
Audubon	43	−17	17.4	0.49	3.7
Baxter	45	−15	20.8	1.05	5.5

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Iowa—Cont'd.	°	°	°	*Ins.*	*Ins.*
Bedford	52	−17	20.8	1.13	4.8
Belleplaine	48	−15	20.0	2.32	15.0
Bonaparte	49	−17	23.1	1.92	11.5
Britt	43	−19	16.6	0.63	3.4
Buckingham	.....	.....	.....	0.61	4.2
Burlington	50	−18	25.0	1.98	6.9
Carroll	44	−18	19.0	1.29	9.5
Cedar Rapids	48	−12	22.4	0.74	8.0
Chariton	53	−14	22.5	1.14	3.2
Charles City	44	−17	19.8	0.50	2.4
Clarinda	52	−14	22.4	1.18	9.0
Clearlake	42	−21	16.0	0.62	3.8
Clinton	52	−16	23.4	1.29	9.5
College Springs	51	−14	22.0	0.96	5.0
Columbus Junction	47	−15	22.5	1.42	14.6
Corning	48	−15	20.9	1.05	8.0
Corydon	54	−15	23.5	1.55	6.3
Council Bluffs	69[m]	−13	23.1[g]	3.23	28.8
Cumberland	.....	.....	.....	1.00	10.0
Danville	.....	.....	.....	3.35	.....
Decorah	43	−18	18.1	1.09	9.2
Delaware	46	−16	19.2	0.77	2.2
Denison	50	.....	.....	1.45	9.5
Dows	42	−20	18.0	1.45	11.0
Earlham	46	−15	18.1	1.57	11.8
Eldon	56	−20	24.4	1.14	8.9
Elkader	52	−15	20.6	1.46	12.0
Estherville	40	−21	14.2	1.01	9.0
Fayette	47	−17	18.1	1.22	8.7
Forest City	40	−20	15.7	0.80	4.0
Fort Dodge	47	−21	16.8	0.83	5.3
Fort Madison	.....	.....	.....	1.03	7.0
Galva	43	−20	16.9	0.30	3.0
Gilman	.....	.....	.....	0.83	4.0
Grand Meadow	44	−18	18.8	1.18	6.2
Greene	44	−16	19.1	0.81	5.0
Greenfield	47	−16	20.6	1.13	9.8
Grinnell	45	−13	20.8	1.92	11.5
Grinnell (near)	46	−15	20.4	1.55	11.0
Grundy Center	45	−15	19.8	0.90	5.5
Guthrie Center	44	−17	20.0	1.19	7.0
Hampton	46	−17	19.0	1.52	13.9
Hanlontown	45	−20	16.4	.....	.....
Harlan	43	−18	18.1	1.27	9.0
Hopeville	.....	.....	.....	0.77	.....
Humboldt	58	−17	18.2	0.43	T.
Idagrove	48	−20	17.9	1.37	4.2
Independence	45	−15	19.0	0.82	6.8
Indianola	49	−13	22.5	2.58	7.5
Iowa City	49	−13	22.2	1.03	7.0
Iowa Falls	42	−16	17.0	1.35	9.5
Jefferson	.....	.....	.....	0.98	6.8
Keosauqua	50	−15	23.0	2.09	11.0
Lacona	.....	.....	.....	1.04	5.0
Larrabee	45	−20	16.4	1.13	10.4
Leclaire	.....	.....	.....	1.04	7.3
Lemars	44	−19	15.8	.....	.....
Lenox	44	−17	20.4	0.98	5.8
Leon	52	−12	23.2	1.03	6.6
Logan	45	−17	20.2	1.46	14.0
Maple Valley	.....	.....	.....	0.90	6.5
Maquoketa	49	−15	22.2	0.82	.....
Marshalltown	49	−14	22.0	1.14	8.5
Mason City	44	−15	20.4	1.11	7.4
Monticello	47	−15	21.8	1.50	7.0
Mountayr	53	−16	22.8	1.08	10.8
Mount Pleasant	55	−16	24.3	0.32	3.2
Mount Vernon	52	−15	21.6	1.05	6.7
New Hampton	43	−19	17.2	0.60	6.0
Newton	45	−17	20.6	1.65	16.0
Northwood	42	−19	17.8	1.12	6.5
Odebolt	44	−16	18.2	0.79	4.0
Ogden	46	−17	20.0	0.95	6.5
Olin	48	−15	21.5	1.64	5.8
Onawa	48	−15	20.0	1.62	10.7
Osage	43	−18	17.6	1.05	6.9
Osceola	52	−15	21.6	0.90	9.0
Oskaloosa	49	−14	21.4	0.79	7.8
Ottumwa	50	−9	25.0	2.51	15.1
Pacific Junction	44	−15	20.8	1.04	6.9
Pella	48	−14	21.8	.....	.....
Perry	45	−14	20.2	1.10	7.8
Plover	41	−20	16.0	0.57	3.5
Redoak	44	−10	23.2	1.70	14.5
Ridgeway	48	−18	19.8	2.05	9.0
Rockwell City	45	−18	19.2	0.60	1.0
Sac City	41	−17	18.0	1.10	7.5
St. Charles	51	−13	22.5	1.15	6.8
Scranton	42	−15	18.2	1.37	10.0
Sheldon	42	−20	15.2	1.57	12.7
Sibley	42	−18	15.9	0.50	5.0
Sigourney	51	−14	23.3	1.40	9.5
Sioux Center	40	−21	15.0	0.90	7.0
Spirit Lake	40	−20	14.6	1.00	10.0
Stockport	.....	.....	.....	1.56	6.0
Storm Lake	40	−20	16.5	1.11	5.0
Thurman	44	−15	20.0	2.45	.....
Tipton	48	−12	23.3	1.17	7.5

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Iowa—Cont'd.	°	°	°	*Ins.*	*Ins.*
Toledo	45	−14	20.9	0.97	8.0
Villisca	48	−15	21.0	1.62	14.5
Vinton *[1]	47	−14	21.4	0.78	6.0
Wapello	47	−11	23.6	1.56	11.5
Washington	47	−17	20.7	1.43	12.5
Washta	.....	.....	.....	1.20	9.0
Waterloo	47	−15	20.2	1.37	10.2
Waukee	.....	.....	.....	1.38	11.0
Waverly	45	−16	18.9	1.49	11.4
Westbend	43	−19	16.4	.....	6.6
Westbranch	.....	.....	....	0.99	5.8
Whitten	44	−18	19.3	1.25	12.0
Wilton Junction	47	−16	22.3	1.90	7.0
Winterset	52	−14	21.6	0.95	6.0
Woodburn	.....	.....	.....	1.72	6.2
Kansas.					
Abilene	.....	.....	.....	0.81	7.5
Achilles	58	−14	21.8	1.79	17.9
Alton	59	−12	25.6	2.11	13.3
Anthony	.....	.....	.....	1.71	7.0
Atchison	64	−11	26.9	1.20	5.5
Baker	61	−22	22.7	1.22	5.5
Beloit	55	−10	24.5	0.60	6.0
Burlington	66	−18	30.2	1.58	3.0
Chanute	67	−11	32.3	2.83	5.0
Clay Center	60	.....	.....	1.13	2.0
Colby	59	−11	22.2	1.94	19.4
Columbus	65	− 5	31.3	3.29	4.0
Cottonwood	67	−17	29.6	1.14	4.0
Delphos	57	−12	25.2	1.78	15.5
Dresden	57	−11	23.1	3.65	24.0
Ellinwood	70	−15	28.4	2.67	26.0
Emporia	65	−10	28.8	1.10	4.0
Englewood	69	−17	29.8	2.82	27.0
Eureka	.....	.....	.....	2.03	6.0
Eureka Ranch	63	−17	24.4	2.30	22.5
Fall River	67	−14	30.6	2.61	3.0
Farnsworth	61	−16	22.8	3.12	28.9
Forsha	69	−15	30.0	0.99	9.9
Fredonia	.....	− 9	.....	4.20	5.2
Fort Leavenworth	64	−10	27.0	1.15	4.0
Fort Scott	66	−11	32.8	2.40	8.5
Frankfort	59	−20	25.0	2.00	6.0
Garden City	65	−17	24.8	4.45	34.0
Gove *[1]	60	− 6	22.6	2.09	20.0
Grenola	63	−11	29.4	2.27	2.0
Hanover	51	−15	23.8	0.62	4.8
Harrison	54	−16	22.9	2.06	17.2
Hays	59	−15	24.0	4.20	42.0
Holton	64	−15	27.6	1.28	3.7
Horton	61	−14	25.4	1.40	4.0
Hoxie	56	−11	23.3	2.40	24.0
Hutchinson	69	−15	27.2	2.62	17.0
Independence	66	− 2	31.5	3.46	2.0
Jetmore	.....	−21	.....	1.95	14.0
La Crosse	68	−16	26.6	2.65	26.5
Lakin	56	−12	22.7	3.20	32.0
Lawrence	64	−11	28.4	1.75	9.0
Lebanon	53	−11	24.4	0.94	9.4
Lebo	64	−14	28.6	1.77	7.0
Leoti	63	−12	22.6	1.95	19.5
Little River	70	−15	27.6	2.66	22.2
Macksville	69	−17	25.8	2.10	20.0
McPherson	67	−14	27.2	2.96	16.0
Madison	68	−22	29.1	1.84	6.5
Manhattan *b*	68	−16	28.6	1.85	9.0
Manhattan *c*	67	−16	27.9	1.57	5.5
Marion	62	−22	28.2	1.50	15.0
Meade	73	−16	25.8	2.30	23.0
Medicine Lodge	74	− 8	31.4	1.75	11.0
Minneapolis	63	−12	26.6	1.02	9.2
Moran	65	−12	30.1	1.72	4.2
Mounthope *[1]	62	− 8	29.8	1.94	9.0
Norwich	71	− 8	30.6	1.28	8.5
Oberlin	.....	.....	.....	2.80	20.0
Olathe	61	−16	29.6	1.60	9.0
Oswego	67	− 4	32.3	3.03	3.0
Ottawa	66	−22	29.0	1.87	7.4
Paola	64	−22	29.4	2.50	8.5
Pittsburg	65	− 5	30.9	2.74	4.0
Pleasanton [f]	60	−19	29.3	0.99	4.0
Republic	52	−16	24.2	1.30	12.5
Rome	70	− 4	30.9	2.11	4.0
Russell	65	−16	25.8	4.00	40.0
Salina	63	−17	27.0	1.75	15.0
Sedan	67	− 7	31.0	3.29	4.0
Seneca	59	−17	25.0	1.55	6.2
Toronto	68	−17	28.0	2.68	4.0
Ulysses	70[f]	17[f]	23.9[f]	3.14	31.5
Valley Falls	65	−19	27.3	1.22	5.8
Viroqua	66	−13	25.6	4.10	41.0
Wakeeney	.....	.....	.....	2.67	21.7
Wallace	61	−15	22.9	1.90	19.0
Walnut	65	− 6	31.8	2.71	5.1
Wamego *[1]	64	−14	26.6	1.29	7.2
Winfield	68	− 7	30.7	2.35	4.1
Yates Center	.....	−15[c]	.....	2.70	4.2
Kentucky.	°	°	°	*Ins.*	*Ins.*
Alpha	68	− 6	40.9	10.50	5.5
Anchorage	62	−12	34.2	6.07	6.5
Bardstown	70	− 9	37.4	8.52	5.0
Beattyville	.....	.....	.....	8.87	7.2
Berea	68	−12	37.7	7.08[a]	6.0
Blandville	66	− 4	36.1	7.78	7.2
Bowling Green	71	− 3	39.4	8.37	11.0
Burnside	68	− 5	37.4	7.98	5.0
Carrollton	65	− 4	34.2	6.24	7.8
Catlettsburg	70	−10	37.2	6.29	6.0
Earlington	74	− 5	38.4	7.50	6.0
Edmonton	70	−10	39.4	8.65	6.5
Eubank	68	−15	38.4	9.81	6.0
Falmouth	.....	.....	.....	7.25	.....
Fords Ferry	65	−10	38.6	5.67	6.0
Frankfort	66	− 8	36.6	8.13	6.0
Franklin	68	− 2	37.8	6.80	8.0
Greensburg	69	− 8	36.0	8.48	5.8
Henderson	66	− 3	34.5	5.66	5.6
Highbridge	68	− 3	37.8	7.25	4.7
Hopkinsville	72	− 5	39.4	7.66	4.0
Irvington	65	− 6	37.6	6.16	6.0
Jackson	75	− 6	41.6	8.20	6.0
Leitchfield	69	−10	35.8	8.19	5.0
Loretto	69	− 9	37.6	7.43	6.0
Manchester	72	−16	40.0	9.40	.....
Marrowbone [c]	70	− 8	39.6	6.46	4.5
Maysville	69	− 9	35.8	7.58	7.0
Middlesboro	68	1	40.1	8.94	.....
Mount Sterling	65	− 7	37.0	7.00	6.0
Owensboro	67	− 3	38.2	5.64	5.2
Owenton	63	− 3	33.1	7.43	8.0
Paducah *a*	.....	.....	.....	6.47	7.5
Paducah *b*	70	− 2	38.8	8.16	4.0
Pikeville	75	− 8	39.6	7.58	6.5
Princeton	71	− 8	37.4	8.42	4.0
Richmond	68	− 6	38.1	7.76	5.0
St. John	68	−10	36.8	7.94	.....
Scott	67	− 7	33.6	5.12	5.4
Shelby City	67	−13	37.4	8.96	7.0
Shelbyville	65	− 9	36.2	7.15	5.5
Taylorsville	67	−10	36.4	6.87	3.0
Williamsburg	71	− 6	42.1	7.56	13.0
Williamstown	69	− 7	35.1	5.57	8.5
Louisiana.					
Abbeville	76	21	54.9	7.36	T.
Alexandria	79	19	50.1	13.87	1.0
Amite	75	21	50.6	8.89	
Baton Rouge	79	22	53.4	7.54	
Burnside	79	24	55.9	9.94	
Calhoun	70	12	45.4	10.12	
Cameron	66	23	53.2	6.11	
Cheneyville	79	22	50.4	13.28	T.
Clinton	79	20	54.8	7.61	0.1
Collinston	74	20	47.9	9.44	1.0
Covington	79	23	54.4	8.16	
Donaldsonville	85	23	55.7	10.19	
Emilie	75	24	54.6	7.59	
Farmerville	71	9	44.2	9.55	2.0
Franklin	80	25	55.4	7.96	
Grand Coteau	77	22	54.2	9.02	
Hammond	77	23	54.5	9.40	T.
Houma	79	24	56.7	5.58	
Jeanerette	75	25	58.2	5.45	
Jennings	76	16	50.1	7.77	T.
Lafayette	76	23	54.6	8.38	T.
Lake Providence	78	13	49.6	16.02	T.
Lawrence	80	28	55.4	5.95	
Libertyhill	73	14	49.4	8.77	2.0
Melville	80	23	52.2	6.72	
Minden	76	12	47.8	9.07	
Monroe	72	16	48.4	8.96	
Opelousas	78	22	52.1	10.05	
Plain Dealing	74	9	47.4	9.07	1.0
Port Eads	76	31	57.6	7.70	
Reserve	76	22	53.6	6.09	
Robeline	75	20	48.6	6.75	
Ruston	71	9	48.0	8.72	
St. Francisville [k]	75	18	51.9	2.40	
Schriever	80	25	56.0	8.30	
Sugar Experiment Station	81	28	55.5	10.53	
Sugartown	74	20	52.2	13.04	
Venice	83	29	56.4	5.59	
Wallace	81	23	56.0	6.97	
Maine.					
Bar Harbor	57	− 5	26.0	5.30	15.0
Belfast	53	−11	23.0	5.13	18.0
Cornish	55	− 7	25.0	4.50	22.5
Danforth	.....	.....	.....	3.92	28.1
Fairfield	50	−13	21.2	3.39	16.5
Farmington	51	−22	19.4	2.81	20.0
Fort Fairfield	38	−31	13.2	6.10	43.0
Gardiner	52	−26	22.4	3.63	16.0
Houlton	51	−23	21.2	2.68	37.0
Jackman	.....	.....	.....	4.65	27.7
Kineo	38	−18	14.9	.....	.....
Lewiston	54	−21	22.4	4.15	21.5
Mattawamkeag	.....	.....	.....	3.12	26.0
Maine—Cont'd.	°	°	°	*Ins.*	*Ins.*
Mansfield	46	−12	20.7	3.27	25.0
Millinocket	62	−12	21.2	3.30	24.0
Montague	.....	.....	.....	3.49	22.5
North Bridgton	59	−20	23.8	4.02	21.0
Orono	50	−16	19.8	3.48	21.5
Rumford Falls	52	−20	21.0	3.89	26.8
Solon	.....	.....	.....	2.81	21.0
The Forks	.....	.....	.....	3.63	29.0
Vanburen	46	−37	11.2	3.81	54.0
Vanceboro	52	0	27.6	3.30	22.0
Winslow	50	−15	21.0	3.01	15.8
Maryland.					
Annapolis	68	.....	.....	6.20	2.0
Bachmans Valley	68	− 8	31.0	8.20	10.5
Boettcherville	71	− 5	32.5	6.17	10.0
Boonsboro *a*	.....	.....	.....	4.74	.....
Cambridge	67	6	39.0	6.56	0.5
Chase	71	0	36.0	4.98	1.5
Cheltenham	73	3	37.2	4.16	1.5
Chestertown	67	5	35.8	5.55	0.8
Chewsville	68	−11	34.0	2.74	9.2
Clearspring	67	− 2	33.2	4.42	8.0
Coleman	67	3	36.8	5.46	2.0
Collegepark	72	− 2	35.2	4.34	1.6
Colora	.....	.....	.....	5.83	9.5
Cumberland	.....	.....	.....	5.49	6.0
Darlington	66	− 4	34.2	4.30	10.0
Deerpark	60	− 9	28.5	5.23	15.5
Denton	69	6	38.4	4.15	0.8
Easton	69	6	38.4	5.38	0.5
Fallston	70	− 4	34.5	5.09	6.5
Frederick	72	−12	35.9	5.00	8.5
Grantsville	60	− 9	28.9	6.06	9.0
Greatfalls	68	− 7	34.2	3.10	.....
Greenspring Furnace	69	− 1	33.7	3.94	7.0
Hancock	64	− 1	35.2	2.90	6.0
Harney	.....	.....	.....	5.18	8.0
Jewell	72	4	38.8	4.46	0.5
Johns Hopkins Hospital	.....	.....	.....	3.69	.....
Laurel	71	− 5	35.4	5.70	4.0
McDonogh	71	0	35.1	3.27	.....
Mount St. Marys College	64	0	33.0	4.75	8.0
New Market	70	− 6	35.4	5.05	10.0
Prince Frederickton	70	4	38.2	4.84	1.0
Princess Anne	69	8	39.2	5.39	T.
Queenstown	67	5	37.0	5.22	0.8
Sharpsburg	65	− 5	32.8	3.19	6.0
Solomons	69	8	38.9	4.62	1.0
Sudlersville	71	5	38.5	4.71	.....
Sunnyside	60	− 9	30.0	7.67	18.8
Takoma Park	67	− 1	34.8	5.60	.....
Van Bibber	63	1	35.6	4.74	.....
Westernport	65	− 5	33.8	4.33	7.5
Woodstock	73	−10	36.4	3.68	7.1
Massachusetts.					
Amherst	57	−11	27.2	4.27	12.0
Bedford	60	− 3	29.1	3.03	13.5
Bluehill (summit)	57	− 3	28.8	4.92	19.0
Cambridge	60	− 1	30.2	3.65	.....
Chestnuthill	60	− 4	30.2	4.60	15.0
Concord	60	−12	27.4	3.05	11.3
East Templeton *[1]	54	− 4	26.6	3.96	11.5
Fall River	57	4	32.0	4.99	11.5
Fitchburg *a* *[1]	57	− 3	27.4	3.59	13.0
Fitchburg *b*	59	− 5	27.6	3.61	15.0
Framingham	60	−11	29.1	3.91	13.0
Groton	58	− 6	27.2	3.87	16.0
Holyoke	.....	.....	.....	4.59	13.5
Hyannis	.....	.....	.....	4.48	12.0
Jefferson	.....	.....	.....	4.20	13.8
Lawrence	60	− 8	28.0	3.62	16.5
Leominster	.....	.....	.....	4.32	15.2
Lowell *a*	59	− 5	29.4	3.96	.....
Lowell *b*	61	− 9	28.7	.....	.....
Ludlow Center	52	−16	23.0	3.75	10.8
Middleboro	61	−10	29.2	4.94	13.0
Monson	59	− 8	27.9	3.94	13.5
New Bedford *a*	55	2	30.6	4.52	14.0
Pittsfield	.....	.....	.....	3.92	15.0
Plymouth *[1]	56	− 1	30.8	5.36	17.0
Princeton	.....	.....	.....	3.97	15.0
Provincetown	52	6	32.4	3.48	13.0
Somerset *[1]	58	− 3	31.3	6.25	14.0
Sterling	.....	.....	.....	4.39	11.0
Taunton	54	−18	29.2	6.69	.....
Webster	.....	.....	.....	4.44	16.5
Westboro	59	−10	29.2	3.64	13.0
Weston	59	−11	28.2	4.26	15.4
Williamstown	58	− 4	27.0	3.55	12.0
Winchendon	.....	.....	.....	3.73	16.0
Worcester *b*	59	− 4	28.7	2.87	15.0
Michigan.					
Adrian	.....	.....	.....	1.40	9.0
Agricultural College	47	−17	20.6	1.58	12.8
Allegan	45	−10	23.6	2.90	27.0
Alma	47	−12	22.0	2.71	17.0
Ann Arbor	48	−10	24.0	3.47	9.2
Annpere	45	−12	21.0	1.13	9.0

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.
Michigan—Cont'd.	°	°	°	*Ins.*	*Ins.*
Arbela	45	−11	23.2	3.97	15.0
Baldwin	44	−21	19.8	2.45	11.0
Ball Mountain	45	− 9	23.2	2.69	13.3
Baraga	49	−28	15.4	.....	.....
Battlecreek	45	−12	22.4	1.66	12.0
Bay City	42[c]	−12	21.3	2.55	17.0
Benzonia	43	− 9	21.9	2.94	16.8
Berlin	45	− 8	23.2	3.08	15.6
Berrien Springs	45	− 8	25.2	3.10	29.0
Big Rapids	45	−14	19.8	2.82	10.5
Birmingham	47	− 9	23.6	3.00	15.5
Boon	43	−19	16.1	1.80	9.1
Calumet	40	−19	14.8	2.45	24.0
Carsonville	50	0	22.1	1.06	9.0
Cassopolis	42	−15	20.4	3.55	17.5
Charlevoix	47	.....	.....	1.30	10.0
Charlotte	46	−16	23.2	.....	.....
Chatham	50	−16	15.4	2.45	18.5
Cheboygan	51	−12	19.0	2.00	20.0
Clinton	50	−11	25.1	2.81	12.8
Coldwater	50	−12	26.2	1.20	12.0
Deerpark	43	−10	19.6	3.50	29.0
Detour	43	−16	18.2	1.79	14.0
Dundee	52	− 8	24.9	3.74	16.0
Eagle Harbor	45	−15	17.8	2.30	23.0
East Tawas	49	−10	22.8	1.61	.....
Eloise	50	−11	24.8	3.94	19.3
Ewen	44	−35	11.9	0.70	7.0
Fennville	45	− 8	25.1	2.25	17.0
Fitchburg	46	−12	22.6	3.45	19.5
Flint	44	−11	22.8	2.74	11.5
Frankfort	45	−10	24.2	1.50	10.0
Gaylord	43	−20	16.8	1.75	17.5
Gladwin	43[c]	−12	19.0	1.75	3.5
Grand Marais	45	− 6	20.5	1.85	18.0
Grand Rapids	50	− 7	24.7	1.08	5.3
Grape	53	− 9	25.0	3.49	13.5
Grayling	45	−16	17.4	3.45	20.0
Hagar	51	−14	26.6	2.76	14.4
Hanover	46	−16	22.6	3.02	5.5
Harbor Beach	44	− 8	23.4	1.51	12.5
Harrison	39[j]	−19[j]	15.6[j]	1.73	10.0
Harrisville	43	−10	19.4	2.88	19.0
Hart	40	− 5	20.7	1.91	17.0
Hastings	49	−18	24.0	3.05	16.3
Hayes	46	− 8	22.5	3.45	25.0
Highland Station	.....	.....	.....	3.85	11.0
Hillsdale	47	−12	23.6	3.86	19.7
Humboldt	45	−39	9.4	0.10	1.0
Ionia	45[j]	−12[j]	21.2[j]	.....	.....
Iron Mountain	50	−20	16.6	1.46	9.0
Iron River	46	−26	12.1	0.60	4.0
Ironwood	43	−28	13.8	0.84	7.1
Ishpeming	45	−23	14.0	1.40	13.0
Ivan	44	−11	19.2	2.14	15.5
Jackson	47	− 9	25.6	3.56	12.5
Jeddo	43	− 8	22.5	2.47	12.5
Kalamazoo	45	−10	23.6	2.37	20.9
Lake City	43	−10	18.0	.....	.....
Lansing	46	−12	22.9	3.10	20.7
Lapeer	45	−11	23.6	.....	.....
Lincoln	49[e]	1[e]	20.5[e]	0.70	7.0
Ludington	45	.....	.....	2.40	19.0
Mackinac Island	43	−13	19.2	2.68	26.0
Mackinaw	47	−12	19.1	0.84	5.9
Mancelona	44	−11	20.6	2.40	20.0
Manistee	38[d]	.....	.....	1.30	13.0
Manistique	43	−15	19.6	1.00	7.0
Midland	46	−16	24.0	1.51	11.6
Mio	44	−20	18.2	2.29	13.7
Montague	45	− 5	23.4	1.35	12.5
Mount Pleasant	44	−10	20.8	2.00	16.3
Muskegon	46	− 7	24.2	1.90	10.0
Newberry	42	−12	20.5	0.20	2.0
Old Mission	44	− 7	22.4	1.50	5.5
Olivet	44	−11	23.6	3.16	12.2
Omer	44	−17	21.8	2.63	9.5
Onaway	47	−11	19.3	2.58	25.0
Ontonagon	42	−19	14.4	1.90	17.0
Ovid	44	−14	21.8	3.05	14.5
Owosso	49	−13	24.8	2.30	18.0
Petoskey	45	− 8	20.0	1.70	15.5
Plymouth	50	0	25.2	.....	.....
Port Austin	45	− 5	23.6	1.24	10.0
Powers	49	−20	17.4	.....	.....
Reed City	.....	.....	.....	2.10	11.0
Roscommon	45	−18	18.2	2.80	10.0
Saginaw	46	−11	23.8	3.59	18.9
St. Ignace	40	.....	.....	0.90	9.0
St. Johns	44	−12	24.2	.....	18.5
St. Joseph	42[f]	− 6[k]	21.0[h]	2.10	16.1
Sidnaw	39	−16	16.8	1.60	16.0
Slocum	.....	.....	.....	1.96	9.0
Somerset[h]	47	−13	20.0	1.35	13.5
South Haven	46	− 4	26.6	2.23	13.0
Thomaston	44	−35	12.0	0.66	3.0
Thornville	44	− 8	24.2	3.58	22.0
Traverse City	50	− 6	22.8	1.60	14.5
Michigan—Cont'd.	°	°	°	*Ins.*	*Ins.*
Vassar	46	−10	24.8	2.21	7.5
Wasepi	45	−10	23.9	4.12	18.5
Waverly	50	−10	25.2	2.02	17.0
Webberville	44	−18	23.2	2.82	17.0
West Branch[e]	42	−13	17.8	1.64	15.5
Wetmore	50	−22	15.4	0.70	7.0
Whitecloud	44	.....	.....	3.10	16.0
Whitefish Point	43	−20	18.3	1.82	17.5
Ypsilanti	50	−10	24.2	3.37	13.7
Minnesota.					
Ada	39	−35	7.2	0.40	3.6
Albert Lea	40	−21	12.3	0.70	7.0
Alexandria	40	−32	9.0	0.46	4.2
Angus	35	−35	0.5	0.30	3.0
Ashby	38	−30	8.4	0.36	4.2
Beardsley	40	−31	9.3	1.00	T.
Beaulieu	35	−41	2.4	.....	.....
Bemidji	41	−39	10.4	0.79	.....
Bird Island	41	−26	12.6	0.13	T.
Blooming Prairie	39	−22	13.6	0.70	5.0
Caledonia	42	−22	16.0	0.76	4.0
Collegeville	43	−25	14.8	0.48	3.7
Crookston	35	−30	3.6	0.20	2.0
Deephaven	.....	.....	.....	0.14	.....
Detroit	38	−47	1.5	0.29	.....
Duluth (sub station)	37	−29	12.2	0.61	6.4
Faribault	42	−24	14.4	0.62	5.2
Farmington	40	−28	13.2	0.35	1.5
Fergus Falls	40	−31	7.2	0.27	2.7
Floodwood	42	−40	8.8	0.05	0.5
Glencoe	42	−28	13.5	0.05	T.
Grand Meadow	44	−21	14.4	1.20	7.8
Hallock	38	−41	2.2	0.02	0.2
Lake Winnibigoshish	40	−38	7.5	0.67	7.0
Leech	42	−42	6.6	0.57	4.2
Long Prairie	43	−35	9.4	0.46	4.8
Luverne	40	−20	13.3	0.76	7.0
Lynd	43	−23	13.2	0.52	4.0
Mapleplain	42	−27	12.2	0.79	5.1
Milaca	39	−35	8.2	0.36	5.0
Milan	39	−31	9.0	0.55	5.5
Minneapolis *b*[1]	41*	−25	12.6	0.54	1.7
Montevideo	41	−32	7.6	0.37	3.0
Morris	42	−30	9.0	0.50	5.0
Mount Iron	43	−34	8.2	1.07	10.8
New London	44	−33	9.4	0.28	0.8
New Richland	42	−21	17.0	0.80	8.0
New Ulm	47	−19	14.6	0.40	1.0
Park Rapids	39	−38	4.9	0.55	5.5
Pine River	45	−42	5.0	0.52	9.0
Pipestone	39	−22	14.8	0.61	1.1
Pleasant Mounds	43	−18	16.5	0.46	5.0
Pokegama Falls	43	−59	4.4	0.98	8.5
Redwing *a*	.....	.....	.....	0.59	.....
Redwing *b*	40	−23	14.1	0.69	3.5
Reeds	.....	.....	.....	0.72	9.0
Rolling Green	45	−19	14.5	0.80	8.0
St. Cloud	42	−30	10.8	0.33	5.0
St. Peter	45	−20	16.4	T.	0.5
Sandy Lake Dam	40	−41	6.9	0.81	8.1
Shakopee	42	−23	13.4	0.45	3.5
Thief River Falls	34	−38	4.0	0.10	1.0
Tower	45	−39	7.2	1.10	11.0
Two Harbors	39	−28	10.4	0.42	3.0
Wabasha	46	−22	16.0	1.10	8.0
Warroad	.....	.....	.....	0.05	0.5
Willow River	37	−37	8.6	2.56	19.6
Winnebago City	42	−20	14.8	0.86	5.4
Winona	45	−21	15.9	1.42	10.5
Worthington	39	−20	15.2	1.80	5.0
Zumbrota[1]	45*	−27	14.6	.....	.....
Mississippi.					
Aberdeen	74	6	45.3	8.93	0.5
Agricultural College	74	10	48.1	8.62	T.
Austin	69	6	43.5	10.48	4.0
Batesville	69	5	43.5	8.80	
Biloxi	72	24	54.8	7.82	
Booneville	77	3	42.5	8.41	T.
Brookhaven	.....	18	.....	12.55	
Canton	77	16	49.8	11.66	0.2
Columbus	78	10	46.5	11.22	0.5
Crystalsprings	76	17	49.1	12.39	
Edwards	78	17	51.0	11.73	T.
Fayette	78	17	49.4	15.25	
Fayette (near)	.....	.....	.....	12.39	T.
Greenville *a*	69	14	46.8	8.04	0.5
Greenville *b*	71	15	45.6	7.97	0.5
Greenwood	76	11	47.0	10.89	T.
Hattiesburg	77	20	53.3	10.22	T.
Hazlehurst	77	17	49.0	13.23	T.
Hernando	69	2	42.7	.....	.....
Holly Springs	67	4	40.8	8.12	3.0
Indianola	80	11	48.0	10.82	2.0
Jackson	73	20	47.6	9.69	
Kosciusko	77	11	46.8	16.29	1.0
Lake	76	15	46.6	13.40	
Lake Como	78	25	51.0	12.30	
Laurel[1]	80[c]	19[d]	52.4[c]	12.30	T.
Mississippi—Cont'd.	°	°	°	*Ins.*	*Ins.*
Leakesville	76	20	52.5	9.47	
Louisville	74	8	47.8	15.89	1.0
Macon	77	14	46.6	10.44	
Magnolia	75	19	52.6	10.13	T.
Natchez	79	20	52.6	14.25	
Nittayuma	76	12	46.4	14.08	
Okolona[f]	69	6	43.4	5.98	.....
Patmos	.....	.....	.....	13.40	T.
Pearlington	78	24	55.2	8.67	
Pittsboro	74	6	46.6	8.26	1.0
Pontotoc	78	3	45.9	6.83	3.0
Poplarville	76	20	53.4	9.25	T.
Port Gibson	.....	.....	.....	13.88	
Ripley	67	0	42.7	8.55	4.0
Shoccoe	79[f]	15[e]	48.8[e]	11.64	2.0
Stonington	.....	.....	.....	11.10	T.
Suffolk	78	17	51.4	13.26	T.
Swartwout	73	26	56.0	8.27	
Thornton	75	26	49.0	13.44	
Tupelo	75	4	45.6	8.45	
University	70	3	45.1	8.80	3.0
Walnutgrove	80	15	47.8	11.22	0.5
Watervalley	76	4	43.4	9.97	4.0
Waynesboro	79	19	52.2	8.96	
Westpoint	77	12	50.0	6.06	2.0
Woodville	76	19	52.4	9.97	T.
Yazoo City	77	12	48.8	12.96	T.
Missouri.					
Appleton City	59	−13	30.3	3.15	5.0
Arthur	66	−15	32.3	3.87	3.0
Avalon	61	−15	27.4	2.10	10.5
Bethany	55	−18	24.5	1.08	7.5
Birchtree	69	− 8	35.0	4.00	2.0
Boonville	.....	.....	.....	1.98	9.8
Brunswick	63	−15	25.6	2.05	8.5
Carrollton	62	−19	27.7	2.02	8.0
Caruthersville	74	− 3	40.6	6.03	2.8
Conception	63	−16	24.3	1.35	9.0
Darksville	60[a]	−18	26.7	1.52	6.8
Dean	69	−11	34.8	4.06	2.0
Desoto	67[d]	− 3	32.6	2.65	2.2
Downing	.....	.....	.....	1.27	9.5
Edgehill	68	−10	34.1	4.33	2.0
Edwards	67	−24	30.2	2.91	4.0
Eightmile*[3]	.....	−14	28.8	1.60	8.0
Fairport	.....	.....	.....	1.33	7.4
Fayette	62	−14	29.2	2.53	11.0
Fulton	64	−14	30.1	3.26	4.5
Galena	.....	.....	.....	4.31	2.2
Gallatin*[1]	55	−10	27.9	1.91	9.5
Glasgow	62	−16	27.1	2.70	13.5
Gorin	.....	.....	.....	1.45	3.7
Grant City	56	−13	23.6	0.53	2.9
Halfway	65[c]	− 9	34.0	4.45	3.0
Harrisonville	61	−22	26.0	3.06	8.3
Hazlehurst	.....	.....	.....	1.65	5.5
Hermann	.....	.....	.....	2.74	0.7
Houston	68	− 6	34.3	3.42	1.0
Huntsville	60[e]	−15[d]	28.4[e]	2.47	9.0
Ironton	68	− 8	33.3	4.47	1.5
Jackson	68	− 5	36.6	5.01	4.2
Jefferson City	67	−12	28.5	3.09	5.2
Joplin	67	2	34.0	2.98	4.0
Kidder	61	−16	25.4	1.29	4.2
Koshkonong	69	− 7	36.7	6.10	1.3
Lamar	67	− 9	32.6	2.85	3.0
Lamonte	.....	.....	.....	2.33	5.0
Lebanon	66	−10	31.9	3.88	1.5
Lexington	63	−13	28.2	1.95	7.0
Liberty	64	−19	27.0	1.10	6.0
Louisiana	58	−22	28.2	3.91	9.5
Macon	59	−17	26.8	2.17	9.8
Marblehill	68	− 6	36.0	4.89	1.0
Marshall	61	−21	27.8	2.34	9.0
Maryville	55	−12	21.3	1.18	8.8
Mexico	64	−16	27.8	2.92	7.7
Miami*[5]	60	−13	26.0	2.01	8.9
Mineralspring	67	− 7	33.6	4.15	1.0
Monroe City	59	−19	25.6	2.60	12.2
Montreal	70	−25	30.8	3.89	4.9
Mountaingrove	68	− 8	33.2	3.95	2.0
Mount Vernon	68	− 6	32.8	5.88	3.0
Neosho	69	− 9	34.5	3.37	4.5
Nevada	.....	.....	.....	3.14	4.8
New Haven	67	−10	32.4	4.22	7.0
New Madrid *b*	.....	.....	.....	7.31	0.4
New Palestine	63	− 9	32.0	2.84	8.1
Oakfield	66	−12	32.2	3.13	5.9
Olden	68	− 8	34.7	4.25	1.5
Oregon	59	−15	24.2	1.61	10.5
Palmyra*[5]	58	−16	24.8	2.54	8.8
Pine Hill	.....	.....	.....	4.62	0.6
Poplarbluff	69	− 7	37.3	4.33	3.0
Princeton	55	−14	23.1	1.27	9.2
Protem	71	− 2	37.5	5.05	1.5
Richmond	.....	.....	.....	1.80	6.0
Rockport	.....	.....	.....	1.49	8.0
Rolla	.....	.....	.....	3.08	3.8

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. Charles	63	−14	31.2	2.87	7.0
St. Joseph	.....	.....	.....	1.10	4.0
Sarcoxie	.....	.....	.....	3.29	.....
Sedalia	63	−16	29.8	2.93	8.0
Seymour	66	− 8	32.0	3.85	2.0
Shelbina	.....	.....	.....	2.10	8.0
Sikeston	66	− 3	37.5	6.72	4.3
Steffenville	55	−16	27.0	2.00	10.5
Sublett	56	−17	25.4	1.42	8.2
Trenton	55	−12	25.5	1.44	4.2
Unionville	54	−14	22.8	2.16	5.5
Vichy	66	−18	31.0	3.17	3.1
Warrensburg	64	−15	30.0	2.51	10.5
Warrenton	64	−11	27.8	3.27	6.6
Wheatland	.....	.....	.....	2.98	3.0
Willowsprings	69	− 9	34.2	4.55	1.0
Windsor	65	−20	30.6	2.62	6.0
Zeitonia	70	−12	34.6	4.41	3.0
Montana.					
Adel	46	−26	17.8	1.20	12.0
Anaconda	50	−10	20.2	0.06	0.7
Augusta	55	−21	24.0	0.18	2.0
Billings	52	1	24.8	.....	.....
Boulder	48	−12	20.2	0.37	2.0
Bozeman	44	−12	18.2	0.33	.....
Butte	45	− 9	20.7	0.05	0.5
Canyon Ferry	49	−15	18.8	0.52	4.5
Chinook	48[c]	−27[c]	15.6[d]	.....	.....
Columbia Falls	52	− 7	21.9	0.62	6.2
Crow Agency	51	−11	20.8	1.20	12.0
Culbertson	42	−37	4.1	0.17	1.5
Deerlodge	43	−16	17.4	0.05	0.5
Dillon	49	− 9	21.4	0.07	0.7
Ekalaka	42	−30	12.8	0.60	6.0
Fort Logan	50	−18	20.0	T.	T.
Glasgow	44	−38	6.5	0.07	2.4
Glendive	36	−43	2.1	0.40	4.0
Greatfalls	55	−18	25.9	0.35	3.5
Hamilton	49	− 2	25.5	0.06	2.0
Kipp	46	−21	18.0	0.50	5.0
Lamedeer	60	−20	19.8	0.80	8.0
Lewistown	50	−17	19.4	1.30	13.0
Livingston	46	−23	15.8	0.01	0.1
Manhattan	45	−17	19.0	.....	.....
Marysville	42[f]	−17[f]	20.6[f]	.....	.....
Missoula	48	− 5	22.8	0.29	3.5
Ovando	46	−25	14.7	0.30	3.0
Parrot	51	− 6	22.6	.....	.....
Plains	48	1	24.2	0.10	1.0
Poplar	43	−40	3.4	0.20	2.0
Redlodge	45	−19	16.2	1.61	23.7
Ridgelawn	42	−45	3.2	0.80	8.0
St. Pauls	51	−19	19.7	0.33	8.5
St. Peter	49	−25	20.2	0.93	17.0
Springbrook	39	−39	7.8	0.78	7.8
Summit	44	−23	17.6	1.00	10.0
Toston	50	−10	19.8	0.02	0.2
Troy	54	− 5	25.0	1.09	7.5
Twin Bridges	46[c]	−12[c]	18.2[c]	T.	T.
Twodot	45	0	19.0	0.10	1.0
Utica	53	−20	21.4	0.24	2.5
Winston	43	−11	19.0	0.62	6.2
Yale	50	−22	17.8	1.00	10.0
Nebraska.					
Agate	42	−34	14.0	1.68	16.8
Agee*[1]	48	−22	13.9	0.95	.....
Albion	58	−15	18.3	1.20	12.0
Alliance	48	−21	18.1	0.10	1.0
Alma	58	−22	21.4	2.46	24.6
Ames	48	−13	22.0	.....	.....
Ansley	60	−21	18.6	1.65	16.5
Arapahoe	.....	.....	.....	2.40	20.0
Arcadia	50	−14	22.6	1.20	12.0
Ashland *a*	48	−13	21.0	1.16	8.0
Ashton	.....	.....	.....	1.21	12.1
Auburn	49	−15	22.8	1.24	7.8
Bartley	.....	.....	.....	1.90	19.0
Beatrice	51	−12	22.8	1.16	8.4
Beaver	54	−15	22.6	1.85	18.5
Bellevue	.....	.....	.....	1.29	9.0
Benedict	.....	.....	.....	1.45	14.5
Benkleman*[1]	55	−12	21.6	2.95	29.5
Blair	50	−17	17.6	0.74	5.4
Bluehill*[1]	48	−11	22.2	1.35	13.5
Bradshaw	.....	.....	.....	1.70	17.0
Bridgeport	47	−25	17.5	0.77	7.7
Brokenbow	54	−20	20.5	1.15	11.5
Burchard	.....	.....	.....	1.10	6.0
Burwell	.....	.....	.....	1.70	17.0
Callaway	49	−23	19.4	1.53	20.0
Cedar Rapids	52	−12	17.3	0.93	9.3
Central City	.....	.....	.....	1.55	15.5
Chester	.....	.....	.....	1.30	13.0
Cody	.....	.....	.....	0.65	6.5
Columbus	47	−14	19.0	1.33	10.0
Crete	49	−12	22.2	1.23	8.4
Curtis	49	−17	20.0	2.60	26.0
Dawson	59	−16	25.1	1.22	.....
Nebraska—Cont'd.	°	°	°	*Ins.*	*Ins.*
Edgar	.....	.....	.....	1.25	12.5
Ericson	.....	.....	.....	1.70	17.0
Ewing	.....	.....	.....	1.02	10.2
Fairbury	54	−15	20.4	1.17	7.7
Fairmont	50	−14	19.2	1.37	14.5
Fort Robinson	48	−21	16.6	0.60	6.0
Franklin	57	−16	21.8	1.50	15.0
Fremont	50	−15	17.4	0.97	.....
Fullerton	.....	.....	.....	2.80	22.0
Geneva	53	−15	19.8	1.12	11.2
Genoa (near)	46	−18	18.8	1.03	10.3
Gering	49	−20	19.7	0.89	8.9
Gordon	.....	.....	.....	0.65	6.5
Gosper	.....	.....	.....	1.40	14.0
Gothenburg	50	−20	20.0	2.20	22.0
Grand Island *b*	49	−17	19.6	2.09	20.9
Greeley	.....	.....	.....	1.10	11.0
Guide Rock	.....	.....	.....	1.65	16.5
Halsey	.....	.....	.....	1.04	10.3
Hartington	46	−21	16.0	1.20	12.0
Harvard	50	−15	19.4	2.30	23.0
Hastings*[1]	52	−13	19.0	2.50	25.5
Hayes Center	.....	.....	.....	3.83	38.3
Hay Springs	43	−22	14.3	1.20	12.0
Hebron	52	−11	22.6	1.34	8.5
Hickman	.....	.....	.....	0.65	5.5
Holbrook	.....	.....	.....	2.74	21.5
Holdrege	54	−17	21.0	2.30	23.0
Hooper*[1]	44	−13	18.3	0.78	6.0
Imperial	56	−18	21.1	2.75	29.5
Johnstown	.....	.....	.....	0.90	9.0
Kearney	52	−16	22.4	2.25	22.5
Kennedy	48	−18	20.5	2.72	23.0
Kimball	48	−17	17.0	1.00	10.0
Kirkwood	48	−22	17.0	1.00	10.0
Lexington	51	−19	18.0	1.55	15.5
Laclede	49	−16	20.0	2.25	19.5
Lodgepole	50	−19	17.0	1.80	18.0
Loup	51	−20	18.5	0.70	7.0
Lynch	48	−22	15.6	1.84	18.8
Lyons	.....	.....	.....	1.07	8.7
McCook*[1]	53	− 9	23.6	2.32	23.2
McCool Junction	.....	.....	.....	1.21	11.0
Madison	57	−15	19.4	0.85	8.5
Madrid	43	−20	18.2	2.10	21.0
Marquette	.....	.....	.....	1.45	14.5
Mason	.....	.....	.....	0.60	6.0
Minden *b*	49	−19	19.2	2.61	27.7
Monroe	.....	.....	.....	1.07	8.5
Nebraska City *c*	48	−12	23.3	1.60	10.5
Norfolk	52	−20	17.0	1.36	13.0
North Loup	55	−15	20.6	1.40	14.0
Oakdale	51	−16	16.0	0.82	8.5
Odell	.....	.....	.....	1.60	8.0
O'Neill	50	−21	16.1	1.32	13.2
Ord	46	−18	17.9	1.21	.....
Osceola	.....	.....	.....	2.30	23.0
Palmer	.....	.....	.....	1.30	13.0
Palmyra*[1]	48	−14	20.6	0.90	5.0
Pawnee City	.....	.....	.....	1.20	5.1
Plattsmouth	48	−13	19.4	0.95	9.5
Purdum	51[d]	−17[d]	20.2[d]	0.99	11.0
Ravenna *a*	52	−18	19.8	2.55	25.5
Redcloud	54	−11	20.8	1.32	13.2
Republican*[1]	48	−20	20.8	2.00	20.0
Rulo	.....	.....	.....	0.97	5.0
St. Libory	.....	.....	.....	2.50	25.0
St. Paul	51	−14	22.4	1.32	13.2
Salem*[1]	54	−20	22.4	1.20	6.5
Santee	46	−20	17.1	1.74	17.1
Schuyler	.....	.....	.....	1.00	10.0
Seneca[g]	.....	.....	.....	1.10	11.0
Seward	52[d]	−13[d]	22.6[d]	1.20	12.0
Smithfield	.....	.....	.....	1.60	16.0
Spragg	.....	.....	.....	2.30	23.0
Springview	45	−22	16.6	1.50	15.0
Stanton	53	−17	18.6	0.82	7.0
Strang*[1]	52	−10	23.5	1.10	11.0
Stratton	.....	.....	.....	2.90	29.0
Superior	53	−15	20.8	1.40	14.0
Syracuse	.....	.....	.....	1.35	6.5
Tablerock	50	−15	20.5	1.29	8.0
Tecumseh *b*	46	−13	22.4	1.14	6.0
Tekamah	50	−19	20.2	0.93	8.0
Turlington	45	−13	21.9	1.29	7.7
University Farm	49	−12	22.1	1.41	9.6
Wakefield	48	−20	17.8	1.65	16.5
Wallace	.....	.....	.....	1.10	11.0
Westpoint	46	−19	18.1	1.31	9.9
Wilber*[1]	48	−10	22.2	0.70	7.0
Wilsonville	.....	.....	.....	2.10	21.0
Winnebago	51	−25	18.2	1.00	9.0
Wisner	.....	.....	.....	1.50	15.0
Wymore	42	−11	20.7	1.20	8.0
York	51	−15	21.8	.....	.....
Nevada.					
Amos	42	−31	7.6	0.10	1.0
Austin	44	−12	20.3	0.49	.....
Nevada—Cont'd.	°	°	°	*Ins.*	*Ins.*
Battle Mountain	60	−20	21.4	0.20	3.5
Beowawe*[1]	55	−10	23.0	T.	.....
Belmont	40	−11	19.0	0.02	0.2
Candelaria	50	2	27.4	1.20	12.0
Carlin*[1]	34	−18	15.2	1.30	13.0
Carson City	51	−16	21.8	0.69	9.4
Cranes Ranch	.....	.....	.....	0.34	.....
Dyer[c]	65	3	29.7	0.11	2.2
Elko	42	−18	19.2	0.12	1.2
Ely	45	−20	15.3	0.40	4.0
Eureka	47	−18	19.5	1.20	12.0
Fenelon*[1]	48	−18	15.2	1.35	13.5
Golconda*[1]	52	−20	21.5	0.60	6.0
Halleck*[5]	46	−22	17.0	0.50	5.0
Hamilton	53	−13	20.6	1.00	10.0
Hawthorne	58	5	27.7	0.35	4.0
Humboldt	43	−11	16.2	0.01	0.1
Lee	.....	.....	.....	0.82	11.0
Lewers Ranch	52	− 7	23.4	1.63	14.4
Lovelocks	50	−10	24.0	0.05	0.5
Martins	54	−15	22.9	0.92	6.0
Monitor Mill	52	−22	16.2	0.15	1.8
Morey	50	− 9	21.6	0.69	10.0
Palisade	47	−17	17.8	0.10	1.0
Palmetto	55	− 9	25.8	1.00	10.0
Potts	45	−29	13.0	0.38	4.2
Reno State University	44	−11	20.1	1.00	7.3
Rioville	86	20	44.6	0.24	0.0
Silverpeak	54	1	29.1	0.30	3.0
Sodaville	56	5	28.1	T.	T.
Tecoma	42	−22	11.8	0.33	2.0
Toano*[5]	49	−19	14.6	0.90	9.0
Wabuska	56	− 4	26.4	0.02	0.2
Wadsworth	50	− 3	26.5	0.22	2.2
Wells*[1]	48	−32	11.4	1.60	16.0
Wood	47	−21	14.7	0.81	8.1
New Hampshire.					
Alstead	50	−11	25.1	4.02	18.0
Berlin Mills	63	−33	18.0	3.06	21.4
Bethlehem	57	−12	21.5	3.23	25.0
Brookline*[1]	60	−22	26.4	4.00	15.0
Chatham	53	−25	19.4	4.45	28.0
Concord	56	−24	24.0	4.00	19.5
Durham	60	− 7	28.0	4.32	12.0
Franklin Falls	55	−17	23.9	3.98	24.2
Grafton	58	−33	21.2	3.84	25.0
Hanover	55	−24	25.3	3.11	23.5
Keene	56	−20	24.2	3.58	16.5
Littleton	51	−14	21.4	3.61	21.0
Manchester	.....	.....	.....	4.01	12.5
Nashua	60	−20	26.6	4.18	16.5
Newton	60	−13	27.0	3.03	15.0
North Stratford	.....	.....	.....	2.74	24.4
Peterboro	54	−22	23.5	4.41	20.5
Plymouth	53	−27	22.2	3.14	22.2
Sanbornton	54	−19	22.4	3.72	24.0
Stratford	52	−23	19.2	2.84	16.0
West Stewartstown	.....	.....	.....	3.84	30.5
New Jersey.					
Asbury Park	61	0	35.2	4.70	6.8
Barnegat	68	1	35.8	5.62	1.0
Bayonne	67	1	33.2	4.61	12.8
Belvidere	64	− 3	31.8	5.15	8.0
Bergen Point	66	− 1	33.0	4.52	12.0
Beverly	70	0	35.6	5.25	7.1
Blairstown	61	− 6	30.3	4.29	8.0
Bridgeton	68	4	37.4	6.02	2.0
Camden	68	2	37.0	5.07	8.0
Canton	.....	.....	.....	4.27	0.8
Cape May C. H.	65	5	37.6	5.36	T.
Charlotteburg	62	− 8	30.0	5.48	7.0
Chester	60	− 6	30.6	4.53	7.5
College Farm	68	− 3	33.0	4.61	9.5
Dover	60	− 3	30.0	4.05	8.5
Egg Harbor City	64	3	36.5	5.86	0.5
Elizabeth	63	0	33.6	4.29	13.0
Flemington	68	− 7	31.7	4.81	9.0
Freehold	65	− 2	32.9	2.78	.....
Friesburg	69	2	36.0	5.35	3.0
Hightstown	67	− 1	33.8	5.15	9.0
Imlaystown	68	− 1	35.2	4.17	5.4
Indian Mills	67	− 3	35.8	4.76	3.0
Lakewood	63	0	35.2	4.46	5.0
Lambertville	68	− 2	33.2	5.63	12.5
Layton	60	−16	27.8	3.74	10.0
Moorestown	68	0	34.6	4.71	6.1
Mount Pleasant	.....	.....	.....	3.30	0.8
Newark	67	− 1	32.5	4.59	10.0
New Brunswick	67	− 3	33.9	4.88	9.5
Newton	60	− 5	29.8	5.19	11.0
Oceanic	64	0	33.8	4.13	8.5
Paterson	66	3	34.4	4.96	8.0
Pemberton	66	1	34.6	4.46	3.0
Phillipsburg	66	− 4	32.0	4.73	6.3
Plainfield	67	− 3	32.6	4.96	13.5
Rancocas	.....	.....	.....	4.66	6.2
Ringwood	64	− 9	30.1	4.33	7.0
Rivervale	65	−12	31.1	4.22	10.5

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	*Ins.*	*Ins.*
New Jersey—Cont'd.					
Salem	68	3	36.6	5.22	2.0
Somerville	68	−7	31.8	4.77	8.0
South Orange	65	−3	32.0	5.35	9.5
Sussex	61	−5	30.4	4.36	13.0
Toms River	66	0	35.3	5.02	0.5
Trenton	69	2	37.9	5.27	9.0
Tuckerton	66	3	36.0	6.28	0.8
Vineland	65	3	36.5	5.38	1.0
Woodbine	65	1	36.6	6.60	0.5
Woodstown	.....	.....	.....	4.84	.....
New Mexico.					
Alamagordo	67	8	39.0	1.00	5.5
Albert	67	−6	30.2	1.58	20.0
Albuquerque	58	−4	34.6	0.41	3.0
Alma	69	6	36.3	0.30	3.0
Arabella	63	8	35.5	1.27	12.5
Bellranch	.....	.....	.....	1.45	15.0
Cambray	.....	.....	.....	1.55	5.5
Carlsbad	79	2	42.2	0.35	2.0
Cloudcroft	43	0	24.2	4.60	46.0
Deming	.....	.....	.....	0.85	3.0
Dorsey	52	−10	23.7	1.63	16.0
Eagle Rock Ranch	56	−11	24.2	1.04	15.0
Fort Bayard	61	6	35.6	0.52	7.1
Fort Stanton	57	−9	31.2	0.75	7.5
Fort Union	60	−21	25.6	1.60	16.0
Fort Wingate	69	0	31.0	0.92	9.2
Fruitland	53	−3	26.8	0.75	7.5
Gage	.....	.....	.....	0.20	2.0
Galisteo	52	3	27.4	0.70	7.0
Gallinas Spring	57	−10	26.0	2.08	29.0
Hot Springs	56	5	27.9	1.60	16.0
Las Vegas	55	−16	25.6	1.42	15.5
Lordsburg	.....	.....	.....	T.	T.
Los Lunos	58	0	34.8	0.60	6.0
Luna	56[d]	−14[d]	30.8[d]	1.28	10.5
Mesilla Park	73	9	41.0	0.98	.....
Mountainair	55	−12	27.9	5.39	27.0
Raton	51	−5	23.0	2.10	21.0
Roswell	75	−7	37.0	0.96	5.0
San Marcial	69	7	39.4	T.	T.
Strauss	.....	.....	.....	0.60	4.0
Taos	55	−10	25.4	1.93	14.0
Winsors	50	−18	21.2	1.70	19.5
New York.					
Adams	.....	.....	.....	3.13	36.0
Addison	61	−11	28.6	1.81	11.0
Adirondack Lodge	50	−15	19.9	3.52	25.1
Akron	.....	.....	.....	2.44	.....
Alden	62	−6	27.7	2.71	15.6
Amsterdam	.....	.....	.....	2.59	13.0
Angelica	57	−9	27.0	1.45	6.0
Appleton	58	−2	28.3	2.14	T.
Arcade	54	−7	24.2	2.42	15.9
Athens	60	−6	27.8	3.56	14.7
Atlanta	59	−8	26.0	2.46	12.0
Auburn	62	−4	28.3	1.44	12.0
Avon	56	−7	27.6	1.57	2.4
Axton	52	−22	18.1	3.00	20.5
Baldwinsville	61	−2	27.6	3.07	13.5
Bedford	60	−3	30.4	5.60	.....
Blue Mountain Lake	.....	.....	.....	2.95	16.5
Bolivar	55	−10	26.4	3.14	15.0
Bouckville	54	−11	24.1	3.03	20.0
Boyds Corner	.....	.....	.....	5.70	.....
Brockport	55	−6	27.2	2.48	16.0
Caldwell	53	−19	22.7	4.90	20.0
Canajoharie	58	−8	24.2	2.76	13.7
Canaan Four Corner	58	−8	26.2	2.61	13.0
Carmel	56	−8	28.8	5.55	9.0
Carvers Falls	52	−17	22.5	3.69	11.0
Cedarhill	62	−8	26.6	2.50	17.5
Chazy	53	−13	21.6	2.53	16.0
Cooperstown	57	−5	24.5	3.61	19.5
Cortland	59	−5	27.1	1.71	.....
Cutchogue	55	3	32.4	5.83	14.0
Dekalb Junction	.....	.....	.....	3.22	20.5
De Ruyter	55	−9	24.8	.....	.....
Easton	.....	.....	.....	2.84	11.0
Elba	52	−5	25.4	3.66	20.5
Elmira	63	−9	29.8	2.50	17.0
Fayetteville	63	−3	28.1	2.15	15.5
Franklinville	52	−13	23.8	2.80	14.8
Gansevoort	.....	.....	.....	4.75	22.0
Glens Falls	51	−10	25.4	4.14	16.5
Gloversville	56	−7	23.8	3.90	19.5
Greenwich	58	−10	24.8	3.59	9.0
Griffin Corners	60	−13	24.5	2.95	15.2
Harkness	51	−18	22.8	1.75	13.7
Haskinville	.....	.....	.....	0.72	1.0
Hemlock	55	−4	27.4	2.43	8.0
Honeymead Brook	57	−5	28.2	4.27	11.3
Indian Lake	53	−18	20.0	4.04	23.5
Ithaca	60	−5	27.8	1.97	13.4
Jamestown	57	−8	25.8	3.00	10.4
Keene Valley	57	−17	23.1	4.02	16.9
King Ferry	.....	.....	.....	2.01	11.8
Liberty	54	−9	24.2	3.46	.....
New York—Cont'd.					
Littlefalls, City Res.	65	−8[f]	23.6[e]	3.19	19.0
Lockport	54	−2	27.5	2.39	1.5
Lowville	51	−18	21.8	3.94	19.0
Lyndonville	.....	.....	.....	2.41	.....
Middletown	58	−2	29.4	4.31	13.2
Mohonk Lake	56	−6	28.0	5.56	15.0
Moira	58	−13	22.2	3.53	23.0
Mount Etrick	56	−10	24.8	.....	.....
Newark Valley	.....	.....	.....	2.76	12.0
New Lisbon	56	−13	22.6	3.19	17.0
North Hammond	.....	.....	.....	2.62	21.0
North Lake	52	−14	24.1	7.40	55.0
Nunda	59	−5	28.5	2.10	11.5
Ogdensburg	51	−14	21.3	2.77	10.7
Old Chatham	.....	.....	.....	3.90	10.0
Oneonta	58	−7	26.4	3.29	21.0
Otto	44	−8	23.8	1.67	.....
Oxford	54	−14	25.2	2.99	19.6
Palermo	.....	.....	.....	2.45	14.6
Penn Yan	60	−3	27.3	1.25	6.1
Perry City	56	−12	26.6	2.03	11.1
Plattsburg	50	0	20.0	1.30	3.0
Port Jervis	60	−6	28.8	4.37	10.0
Primrose	62	−3	30.8	4.17	11.5
Redhook	.....	.....	.....	4.54	.....
Richmondville	60	−4	26.0	2.54	11.5
Ridgeway	54	−4	27.1	2.65	15.8
Rome	51	−6	24.3	3.05	20.0
Romulus	60	−4	28.8	1.26	8.8
Salisbury Mills	.....	.....	.....	4.87	8.0
Saranac Lake	56	−16	20.4	2.88	16.2
Saratoga Springs	44	−19	25.6	5.12	21.0
Setauket	59	3	32.8	4.79	10.5
Shortsville	63	−3	28.3	1.89	9.4
Skaneateles	.....	.....	.....	2.65	.....
Southampton	53	3	32.6	3.55	8.7
South Butler	59	−4	27.2	2.82	14.2
South Canisteo	56	−10	25.9	2.15	12.5
Southeast Reservoir	.....	.....	.....	4.96	.....
South Kortright	58	−18	24.8	3.31	19.3
South Schroon	53	−19	21.6	4.03	21.8
Speer Falls	55	−7	25.2	3.85	....
Straits Corners	58[f]	−14[f]	27.8[f]	1.40	8.0
Ticonderoga	56	−13	25.0	3.17	26.5
Volusia	52	−8	24.6	2.66	.....
Walton	58	−11	25.8	2.94	16.9
Wappinger Falls	60	−3	30.0	6.08	13.0
Warwick	.....	.....	.....	3.09	.....
Watertown	55	−15	24.9	3.15	23.2
Waverly	60	−11	28.2	2.23	12.0
Wedgwood	56	−10	25.6	2.25	17.0
West Berne	65	−13	25.4	1.90	10.0
Westfield *b*	56	−6	26.6	3.33	.....
Westfield *c*	.....	.....	.....	2.58	T.
Windham	63	−16	26.4	3.16	16.7
Youngstown	.....	.....	.....	2.20	8.8
North Carolina.					
Biltmore	68	6	40.9	6.83	T.
Brevard	65	5	38.2	9.10	
Brewers	73	6	41.8	7.67	
Bryson City	.....	.....	.....	10.92	T.
Chapelhill	73	15	42.3	5.52	
Currituck	.....	.....	.....	2.56	
Edenton	70	13	46.7	3.91	
Fayetteville	73	19	48.8	5.83	
Goldsboro	71	20	47.2	5.76	
Graham	.....	.....	.....	6.26	
Greensboro	68	14	43.2	6.62	
Henderson	70	15	45.2	5.60	
Hendersonville	71	6	42.8	10.00	
Henrietta	70	15	44.9	10.04	
Highlands	64	−2	35.9	15.93	
Horse Cove	64	4	41.6	14.04	
Hot Springs	71	9	44.4	.....	
Jefferson	67	3	38.8	8.44	0.9
Kinston	74	16	48.4	5.91	T.
Lenoir	70	9	40.6	8.80	
Linville	63	−3	34.7	8.45	1.0
Littleton	71	13	42.4	5.46	
Louisburg	71	17	45.4	6.78	
Lumberton	71	22	46.8	7.43	
Marion	70	7	44.0	11.57	
Marshall	72[j]	5[j]	39.2[j]	6.11	0.9
Mocksville	71	13	43.0	7.83	
Moncure	74	15	45.6	5.36	
Monroe	72	12	44.2	8.63	
Morganton	69	10	44.3	8.44	
Mountairy	68	10	42.3	6.94	0.2
Murphy	.....	.....	.....	10.25	1.1
Newbern	75	18	49.4	4.82	
Patterson*[i]	62	8	38.6	8.76	T.
Pittsboro	75	12	45.3	5.87	
Reidsville	71	11	43.8	6.59	
Rockingham	75	19	47.7	8.42	
Roxboro	70	12	43.8	6.06	
Salem	69	13	43.4	8.76	
Salisbury	71	16	47.0	6.27	
Saxon	70	10	41.6	7.83	T.
North Carolina—Cont'd.					
Settle	70	13	44.4	7.32	T.
Sloan	75	20	50.4	4.31	
Soapstone Mount	71	10	43.5	6.20	T.
Southern Pines *a*	73	17	48.3	6.34	
Southern Pines *b*	71	18	48.5	7.30	
Southport	69	23	51.3	3.24	
Springhope*[l]	72	17	46.9	4.68	
Statesville	70	11	43.4	9.90	
Tarboro	74	17	47.4	6.27	
Washington	75	21	50.8	4.87	
Waynesville	69	6	42.2	8.65	
Weldon *a*	69	17	42.6	4.51	
Weldon *b*	.....	.....	.....	4.56	
North Dakota.					
Amenia	38	−32	5.8	0.32	3.2
Ashley	38	−37	3.6	.....	
Berlin	39	−40	2.2	1.15	11.5
Bottineau	33	−46	−1.1	.....	.....
Buxton	37	−30	6.0	0.06	0.6
Cando	34	−47	−2.0	T.	T.
Churchs Ferry	42	−39	−0.6	0.10	1.0
Coalharbor	36	−40	1.1	0.32	3.2
Devils Lake	37	−40	−0.2	0.50	5.0
Donnybrook	.....	.....	.....	0.70	7.0
Dunseith	31	−49	−2.3	0.30	3.0
Edgeley	41	−30	6.6	1.34	13.4
Elbowoods	37	−46	−1.2	0.50	5.0
Ellendale	43	−31	6.1	0.70	7.0
Fargo	40	−38	2.5	0.45	4.5
Forman	36[c]	−38[c]	4.5[c]	0.71	8.0
Fort Yates	46	−30	9.4	T.	T.
Fullerton	37	−37	3.2	1.38	13.8
Gallatin	.....	−40	.....	0.06	0.6
Glenullin	39	−30	7.7	0.34	3.6
Grafton	42	−30	5.0	0.20	2.0
Hamilton	41	−33	3.8	0.26	2.5
Hannaford	34	−40	1.9	0.08	0.8
Jamestown	38	−36	1.4	0.45	4.5
Larimore	36	−36	3.2	0.10	1.0
McKinney	34	−43	1.0	0.60	6.0
Mayville	39	−30	6.1	0.16	1.6
Medora	42	−44	7.0	0.20	2.0
Melville	35	−35	3.4	T.	T.
Milton	33	−40	−0.4	0.20	2.0
Minnewaukon	34	−39	2.2	T.	T.
Minot	36	−34	5.2	T.	T.
Minto	41	−32	3.6	.....	.....
Napoleon	37	−38	3.7	0.15	1.5
New England	39	−42	6.6	0.50	5.0
Oakdale	42	−32	11.2	0.60	6.0
Pembina	41	−39	1.7	0.16	1.6
Portal	34	−41	−0.9	0.50	5.0
Power	40	−35	5.0	0.92	9.2
Steele	35	−41	0.8	0.30	3.0
University	44	−32	5.6	0.10	1.0
Valley City	38[g]	−39[g]	−3.1[g]	0.22	2.2
Wahpeton	40	−34	5.3	0.60	6.0
Willow City	32[h]	−46[c]	−1.4[c]	.....	.....
Ohio.					
Akron	61	−8	28.8	3.81	7.3
Atwater	.....	.....	.....	4.01	8.0
Bangorville	61	−11	28.6	4.35	6.0
Bellefontaine	58	−10	28.9	4.25	9.3
Bement	.....	.....	.....	3.21	2.5
Benton Ridge	58	−7	28.4	5.18	9.5
Bladensburg	64	−11	29.4	4.89	6.2
Blaine	.....	.....	.....	5.54	14.0
Bloomingburg	.....	.....	.....	4.16	.....
Bowling Green	56	−8	26.2	4.19	5.0
Bucyrus	58	−11	29.8	2.45	8.0
Cambridge	65	−13	32.0	5.45	9.0
Camp Dennison	65	−12	32.8	6.38	7.8
Canal Dover	62	−12	29.4	4.99	9.5
Canton	60	−8	28.8	3.89	10.2
Cardington	61	−14	28.6	3.54	7.0
Cedarville	.....	.....	.....	4.78	4.0
Centerburg	.....	.....	.....	4.97	6.5
Circleville	65	−6	32.4	6.21	10.5
Clarington	65	−5	34.0	5.60	1.0
Clarksville	63	−8	32.2	4.54	3.6
Cleveland *a*	62	−5	29.2	4.33	10.2
Cleveland *b*	61	−4	28.8	3.04	7.0
Clifton	64	−8	31.2	4.51	5.0
Coalton	68	−17	33.8	6.56	5.0
Colebrook	52[k]	−11[g]	27.4[g]	.....	.....
Coolville	.....	.....	.....	5.51	7.0
Coshocton	.....	.....	.....	4.39	5.2
Dayton *a*	.....	.....	.....	4.55	.....
Dayton *b*	65	−5	32.0	4.79	4.0
Defiance	54	−10	27.5	4.04	10.1
Delaware	63	−10	29.8	4.08	8.4
Demos	64	−7	30.8	4.80	.....
Dunham	.....	.....	.....	6.26	8.0
Dunkirk	.....	.....	.....	3.60	7.5
Elyria	61	−8	29.0	4.57	.....
Findlay	68	−6	29.0	4.41	8.5
Frankfort	65	−7	32.0	6.45	6.5
Fremont	60	−7	29.6	6.05	9.5

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.*
Galligher				1.01	
Garrettsville	62	—13	28.6	4.22	11.0
Granville	63	— 8	30.0	5.27	8.5
Gratiot	63	—12	30.0	6.21	7.2
Green	62	— 9	35.2	7.73	4.0
Greenfield	64	— 5	32.9	6.08	7.0
Greenhill	61	—14	27.9	4.00	6.4
Greenville	58	— 9	29.8	4.52	6.0
Hanging Rock	69	1	36.6	6.45	8.0
Hedges	54	—11	27.2	4.14	3.5
Hillhouse	60	—12	24.7	3.99	8.0
Hiram	60	—13	27.3	4.21	9.0
Hudson	54	—15	26.6	4.00	12.0
Jacksonboro	66	— 9	29.4	6.58	9.0
Kenton	59	—10	26.5	3.95	5.5
Killbuck	62	— 8	29.8	4.76	8.2
Lancaster	65	— 7	31.8	7.06	8.0
Lima	58	— 8	29.2	4.88	8.0
McConnelsville	66	— 7	33.1	4.60	7.0
McCormick				7.12	8.0
Manara	62	— 5	30.8	6.31	3.0
Mansfield				3.90	9.0
Marietta	61	1	34.2	7.17	6.5
Marion	63	—10	29.8	3.78	9.3
Medina	62	—12	28.2	4.11	6.0
Milfordton	62	— 9	27.5	6.07	9.0
Milligan	65	—20	31.1	5.42	8.0
Millport	61	—18	27.4	4.22	8.2
Montpelier	49	—10	24.9	3.11	15.5
New Alexandria	62	— 8	31.0	7.50	14.0
New Berlin	63	—12	29.0	3.02	7.0
New Bremen	59	—10	30.0	4.08	9.0
New Lexington				5.38	6.5
New Richmond	65	— 6	34.6	5.20	7.3
New Waterford	60	— 8	29.2	5.42	14.0
North Lewisburg	62	— 9	28.8	4.15	3.0
North Royalton	60	— 9	27.6	4.33	13.0
Norwalk	60	— 8	28.4	5.32	17.5
Oberlin	62	— 8	29.3	4.38	5.2
Ohio State University	63	— 4	29.8	4.87	7.2
Orangeville	62	—14	27.7	3.22	8.0
Ottawa	58	— 7	27.9	4.35	
Pataskala	63	— 6	29.8	5.89	7.7
Philo	65	— 6	32.2	7.13	9.0
Plattsburg	61	— 8	30.0	4.40	6.0
Pomeroy	67	2	32.8	6.27	7.5
Portsmouth *a*				7.45	5.0
Portsmouth *b*	68	— 3	36.7	7.31	4.5
Pulse				6.39	10.0
Redlion				5.58	
Richfield				4.57	6.0
Richwood	63	—12	29.6	4.20	8.2
Ripley	65	—10	32.9	7.25	6.7
Rittman	64	—12	28.8	6.90	6.7
Rockyridge	58	— 9	27.8	4.43	5.0
Shenandoah	60	— 9	28.2	3.36	5.0
Sidney	60	— 9	29.8	4.45	7.7
Somerset	62	— 8	34.1	3.42	13.8
Springfield				4.47	
Swanton				5.13	5.0
Thurman	69	—11	34.8	6.59	15.0
Tiffin	58	— 6	28.6	4.93	9.0
Upper Sandusky	60	—10	29.2	4.20	12.0
Urbana	58	—11	26.9	3.54	5.2
Vickery	59	— 8	27.6	4.19	5.2
Wadsworth				3.36	
Walnut				5.60	5.4
Warren	67	—10	30.6	4.51	16.6
Warsaw	65	—16	29.2	5.13	
Wauseon	54	—11	26.3	4.76	14.2
Waverly	69	—13	33.4	7.75	9.6
Waynesville	64	— 7	30.8	4.93	4.5
Wellington	67	— 6	29.6	3.87	8.0
Willoughby				3.29	
Wooster	63	— 9	29.0	3.69	9.2
Zanesville				5.82	8.1
Oklahoma.					
Blackburn	70	— 9	34.0	4.77	4.7
Burnett	71	2	36.9	2.52	0.5
Chandler	68	0	35.0	3.16	3.0
Cleo	71	— 2	34.5	3.61	16.5
Clifton	68	1	36.0	2.86	1.0
Cloud Chief	74	3	35.1	3.84	6.4
Enid	70	— 1	33.6	2.96	9.0
Fort Reno	68	2	34.6	5.95	31.0
Fort Sill	70	7	36.9	4.65	0.5
Guthrie	63	3	33.9	3.35	4.0
Hennessey	73	1	33.0	4.48	13.0
Jefferson	73	— 3	32.0	2.03	1.0
Jenkins	75	— 4	32.2	2.81	13.5
Kenton	63	—17	26.4	3.40	46.0
Kingfisher	64	3	35.2	4.05	10.8
Mangum	75	12	37.1	3.25	0.5
Newkirk	65	— 1	33.0	0.56	1.4
Norman	72	4	37.4	2.55	1.5
Pawhuska	68	—10	33.0	4.35	11.0
Perry	68	1	33.5	3.50	3.2
Sac and Fox Agency	63	— 1	37.3	3.32	4.0
Oklahoma—Cont'd.					
Shawnee	68	5	37.4	3.13	2.0
Stillwater	70	3	35.2	2.19	1.5
Taloga	74	— 4	31.9	2.93	6.0
Temple	70	9	38.0	4.86	3.0
Ural	74	0	32.2	3.39	3.3
Weatherford	74	2	34.4	2.97	4.5
Waukomis	73	2	34.8	2.77	1.5
Oregon.					
Albany *b*				1.92	
Alpha	64	21	40.5	3.91	
Arlington	55[f]	17	33.8[c]	0.00	
Ashland	60	12	36.5	0.65	0.9
Astoria	57	27	41.2	3.18	0.5
Aurora (near)	60	20	39.3	1.54	T.
Bay City	64	23	41.0	4.89	4.0
Bend	56	—10	27.2	0.35	0.8
Beulah	49	—16	19.6	0.20	3.0
Blackbutte	53	17	35.9	1.60	2.9
Blalock	60	20	37.0	0.08	0 5
Bullrun				2.88	
Cascade Locks	56	18	36.6	2.47	8.0
Coquille				2.91	0.5
Corvallis	60	21	38.4	1.64	
Dayville	60	9	33.2	0.64	5.8
Doraville	55	19	36.4	2.27	0.7
Drain	70	22	42.2	2.11	0.5
Ella				0.10	
Eugene	55	22	37.6	1.47	0.2
Fairview	66[h]	20[h]	41.3[h]	3.20	
Falls City	57	20	36.7	4.58	0.3
Forestgrove	59	19	38.6	2.37	
Gardiner	71	25	45.4	3.28	
Glenora	57	17	34.0	8.50	1.0
Grants Pass	64	11	38.5	1.84	
Grass Valley	56	11	32.0	T.	T.
Heppner	60	12	35.0	0.05	0.5
Hood River (near)	59	13	34.9	1.83	5.0
Huntington	54	— 3	24.4	0.27	4.0
Jacksonville	67	15	37.3	1.69	1.0
Joseph	43	— 5	20.8	0.30	3.0
Kerby	64	13	36.6	3.99	
Klamath Falls	55	— 6	26.8	T.	T.
Lagrande	47	2	27.2	0.16	0.8
Lakeview	44	— 9	21.9	1.14	6.8
Lonerock	62	3	30.6	0.40	6.0
McKenzie Bridge	61	7	34.3	3.95	3.0
McMinnville	59	20	39.4	1.87	0.2
Monroe	59	20	38.8	2.67	T.
Mount Angel	59	23	39.0	1.46	T.
Nehalem				4.70	
Newport	63	24	43.4	2.85	T.
Pendleton	61	0	33.6	0.02	
Pine	46	—24	15.8	0.47	5.0
Placer				2.24	12.0
Prineville				0.39	2.0
Riverside		—12		0.50	5.0
Salem *b*	60	23	39.9	0.88	
Silverlake	52	—21	24.5	0.55	5.5
Sparta	42	— 3	19.9	0.50	5.0
Stafford	59	20	39.2	1.79	
The Dalles	58	18	36.0	0.47	2.0
Toledo	70	22	44.2	3.70	T.
Umatilla	60	14	35.0	0.02	
Vale	54	—10	21.2	0.23	2.0
Wamic	56	3	31.4	0.90	1.0
Warm Spring	57	11	33.6	0.27	
Weston	51	3	29.3	0.68	6.0
Williams	62	11	37.1	1.17	2.5
Pennsylvania.					
Aleppo	62	— 9	32.6	5.23	12.0
Altoona	64	— 7	30.0	4.59	
Athens	64	—13	27.4	2.54	17.8
Beaver Dam				3.45	7.0
Bellefonte	58	— 5	32.6	4.23	10.2
Brookville				4.24	10.4
Browers				5.77	
Butler	59	— 9	29.6	3.54	8.3
California	68	— 5	34.9	4.95	7.8
Cassandra	58	— 8	28.2	4.42	19.0
Centerhall	57	— 8	29.6	3.21	9.5
Clarion				3.96	13.0
Coatesville	68	— 7	33.5	5.29	10.3
Confluence				1.98	3.4
Davis Island Dam				3.75	4.0
Derry Station	62	— 6	31.5	4.86	11.5
Doylestown				6.12	
Driftwood				2.72	8.0
Dushore	57	—15	25.6	4.02	16.6
Dyberry	55	—13	24.9	4.75	14.5
East Bloomsburg				3.63	11.0
East Mauch Chunk	60	—13	29.8	5.93	10.0
Easton	65	— 2	31.5	4.23	7.0
Ellwood Junction				3.54	6.0
Emporium	56	—10	27.8	5.21	13.5
Ephrata	65	— 5	32.6	4.93	9.0
Everett	57[d]	— 6[d]	29.6[d]	5.00	7.0
Forks of Neshaminy				4.65	
Franklin	60	—10	28.8	4.33	7.0
Pennsylvania—Cont'd.					
Freeport	66	— 4	30.6	4.75	7.9
Girardville				5.86	16.5
Grampian	56	—10	27.6	4.64	16.0
Greensboro				5.31	6.0
Greenville	61	—12	28.2	5.42	16.0
Hamburg	62	— 1	32.4	5.77	2.0
Hamlinton	59	— 8	26.9	2.99	13.8
Herrs Island Dam				3.71	5.5
Huntingdon *a*				4.98	
Huntingdon *b*	61	— 6	32.2	5.38	7.0
Indiana	60	— 9	30.6	3.55	
Johnstown	63	— 3	32.4	5.80	11.6
Keating				3.79	5.0
Kennett Square	67	— 4	34.0	5.21	10.0
Lansdale				4.80	
Lawrenceville	61	—17	26.6	2.33	17.0
Lebanon	68	— 4	32.4	5.95	10.0
Leroy	56	—12	27.0	3.00	16.0
Lewisburg	58	— 7	29.9	4.85	13.5
Lockhaven *a*	59	— 5	31.6	2.99	11.5
Lockhaven *b*				3.40	6.0
Lock No. 4				4.49	11.1
Lycippus	60	— 6	31.8	4.30	16.5
Mifflin				4.45	9.0
Milford	60	—12	28.6	5.41	10.0
Oil City				5.07	10.7
Ottsville				5.11	
Parker				5.16	11.2
Philadelphia	67	4	37.1	4.58	7.0
Pocono Lake	57	—12	25.6	3.97	10.0
Point Pleasant				5.03	
Pottsville				5.52	
Quakertown	66	— 6	32.2	5.08	9.0
Reading	65	— 3	32.3	5.59	
Renovo *a*	62	— 4	30.0	3.89	10.5
Renovo *b*				3.60	
Saegerstown	58	—13	27.4	4.58	5.0
St. Marys	51[h]	—10[h]	26.6[h]	3.50	5.0
Saltsburg				4.04	10.0
Seisholtzville				5.56	
Selinsgrove	61	— 7	31.4	4.84	12.0
Shawmont				4.45	
Smethport	55	—10	26.6	4.90	16.0
Smiths Corners				4.37	
Somerset	57	—12	28.5	5.16	15.2
South Bethlehem	67	— 1	32.4	5.49	7.0
South Eaton	61	— 7	28.8	4.53	10.0
Spring Mount				5.16	
State College	56	— 6	28.8	3.61	6.0
Swarthmore	67	— 5	34.6	4.57	6.0
Towanda	60	—17	27.9	2.73	13.0
Troutrun				3.53	7.0
Uniontown	63	— 2	35.8	4.73	10.5
Warren	56	—12	27.9	1.80	12.4
Wellsboro	56	— 5	30.5	3.55	15.5
Westchester	67	— 2	34.3	4.66	10.0
West Newton				5.67	14.5
Wilkesbarre	63	— 1	31.1	4.13	11.0
Williamsport	62	— 4	32.1	3.24	8.8
York	67	— 2	34.4	6.13	12.0
Rhode Island.					
Bristol	51	7	31.8	5.38	14.2
Kingston	54	— 4	29.8	7.04	12.0
Pawtucket	58	— 2	32.0	6.03	16.0
Providence *a*	60	4	32.8	5.64	16.0
Providence *c*	58	0	30.4	6.42	14.0
South Carolina.					
Aiken	78	17	51.6	8.55	
Allendale	77	28	55.1	7.56	
Anderson	69	15	46.8	8.40	
Barksdale	69[d]	11[d]	47.6[d]	11.10	
Batesburg	76	17	48.4	11.10	
Beaufort	74	27	54.1	5.48	
Bennettsville	74	21	49.9	8.35	
Blackville	79	20	50.1	3.78	
Bowman	79	21	53.0	3.74	
Calhoun Falls				9.27	
Camden				7.87	
Cheraw *a*	72	20	47.0	8.06	
Cheraw *b*				7.61	
Clarks Hill	75	17	50.3	9.20	
Clemson College	69	15	42.2	12.48	
Conway	77	23	51.2	3.75	T.
Darlington	77	22	49.0	8.54	
Duewest	81[d]	17[d]	48.6[d]	7.84	
Edisto				5.39	
Effingham				5.38	
Florence	75	23	48.8	6.85	
Gaffney	72	16	44.8	9.02	
Georgetown	75	24	52.9	4.50	
Gillisonville	81	23	53.2	3.74	
Greenville	67	13	42.4	11.59	
Greenwood	70	16	44.9	9.26	
Heath Springs	70	16	43.6	8.08	
Kingstree *b*				5.02	
Liberty	67	14	45.2	10.73	
Little Mountain	74	18	49.6	10.27	
Longshore	72	18	48.0	10.87	

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.*
Pinopolis *[1]	74	26	52.0	5.64	
St. Stephens	.....	.....	.....	4.64	
Saluda	75[e]	14	47.4[d]	9.23	
Santuck	71	17	45.6	7.75	T.
Seivern	81	18	48.0	7.25	
Smiths Mills	.....	.....	.....	3.53	
Society Hill	72	22	49.4	8.24	
Spartanburg	70	14	44.5	9.03	
Statesburg	77	20	51.6	7.28	
Summerville	77	22	52.4	4.31	
Sumter	74	22	49.8	4.65	
Temperance	73	24	48.8	5.66	
Trenton	75	18	49.9	9.66	
Trial	77	22	52.1	5.57	
Walhalla	68	12	44.8	7.20	
Winnsboro	73	18	45.7	8.50	
Winthrop College	70	16	47.2	7.61	
Yorkville	72	18	48.4	6.86	
South Dakota.					
Aberdeen	44	−39	6.2	1.80	9.0
Academy	45	−22	14.6	0.75	7.2
Alexandria	46	−24	10.0	0.95	8.0
Armour	45	−24	11.6	1.25	12.5
Ashcroft	54	−37	15.9	0.40	4.0
Bowdle	43	−30	7.6	0.25	2.5
Brookings	41	−26	10.7	0.28	3.0
Canton	45	−20	16.2	0.34	3.8
Cavite[c]	47	−22	14.9	.....	.....
Centerville	.....	.....	.....	1.52	9.8
Chamberlain	46	−22	14.6	0.77	10.7
Cherry Creek	55	−26	16.8	0.05	.....
Clark	40	.....	.....	0.30	3.0
Doland	40	−31	7.3	0.43	4.5
Elkpoint	48	−20	16.5	2.07	11.2
Farmingdale	.....	.....	.....	0.24	2.3
Faulkton	40	−29	8.6	0.63	6.3
Flandreau	41	−22	13.0	0.32	2.8
Forestburg	40	−30	8.0	0.53	5.3
Fort Meade	50	−20	17.9	0.90	.....
Gannvalley	41	−26	11.0	1.35	13.5
Gettysburg	42[d]	−28	10.4	0.25	2.5
Grand River School	52	−28	12.4	0.01	0.2
Greenwood	45	−17	17.0	1.07	9.7
Highmore	.....	.....	.....	0.30	3.0
Hotch City	43	−27	11.2	0.39	7.0
Howard[g]	43	−22	14.4	0.20	2.0
Howell	41	−28	8.6	0.58	5.4
Ipswich	40	−31	6.3	0.88	4.0
Kimball	40	−25	11.6	0.40	4.0
Leola	40	−36	5.3	0.60	6.0
Marion	43	−20	14.6	1.01	.....
Mellette	42	−30	7.4	0.40	4.0
Menno	45	−21	13.2	0.71	7.0
Millbank	41	−25	10.6	0.30	.....
Mitchell	40	−24	11.0	0.70	7.0
Oelrichs	41	−22	15.5	0.65	6.5
Pedro	54	−21	16.0	0.10	1.0
Pine Ridge	40	−20	15.6	0.19	2.0
Plankinton	.....	−23	.....	0.39	3.9
Ramsey	43	−25	11.0	0.25	2.5
Redfield	40	−30	6.9	0.83	6.0
Rosebud	49	−20	18.2	0.50	4.7
Silver City	.....	.....	.....	0.60	6.0
Sioux Falls	45	−21	12.4	0.47	.....
Sisseton Agency	40	−30	9.9	0.24	2.4
Spearfish	48	−15	17.6	0.85	8.5
Tyndall	46	−21	13.8	1.10	11.0
Vermilion	49	−22	16.0	1.06	15.0
Watertown	39	−30	8.4	0.12	1.2
Waubay	40	−35	4.9	0.15	1.5
Wentworth	41	−24	10.8	0.43	4.3
Wolsey	.....	.....	.....	0.25	2.0
Tennessee.					
Andersonville	69	1	40.0	9.88	2.0
Ashwood	70	0	42.8	5.27	3.0
Benton	72	7	44.8	10.39	T.
Bluff City	.....	.....	.....	6.07	T.
Bolivar	69	−1	39.2	5.64	6.0
Bristol	69	3	37.7	6.32	T.
Byrdstown	69	−4	40.8	8.17	8.0
Carthage	.....	.....	.....	6.71	3.0
Callettsburg	.....	.....	.....	3.96	1.0
Charleston	.....	.....	.....	9.65	1.0
Clarksville	70	−2	39.9	7.40	6.0
Clinton	.....	.....	.....	9.80	1.0
Covington	70	2	40.2	7.72	5.5
Decatur	75	6	43.2	15.11	2.0
Dickson	69	−5	40.6	6.10	4.0
Elizabethton	72	6	40.6	6.19	0.2
Erasmus	69	−5	39.4	12.43	4.1
Florence	68	1	41.4	7.01	3.0
Franklin	67	0	41.2	7.51	6.2
Grace *[1]	70	4	44.6	10.10	8.0
Greeneville	73	3	40.8	6.85	0.5
Halls Hill	.....	.....	.....	7.08	1.7
Harriman	68	5	41.6	12.53	T.
Hohenwald	78	−4	41.2	7.22	3.0
Iron City	69	0	43.0	9.69	2.0
Tennessee—Cont'd.	°	°	°	*Ins.*	*Ins.*
Isabella	72	7	40.8	11.41	0.5
Jackson	70	−4	41.0	5.38	5.0
Johnsonville	71	−1	40.8	5.97	2.8
Jonesboro	73	6	41.4	6.68	1.2
Kenton	74	−1	40.2	8.34	3.0
Kingston	.....	.....	.....	10.69	1.0
Leadvale	.....	.....	.....	6.40	T.
Lewisburg	69	0	43.2	7.73	3.8
Liberty	75	.....	.....	7.85	0.3
Lynnville	66	1	41.5	8.41	3.0
McKenzie	72	−4	40.2	9.80	2.5
McMinnville	72	0	42.8	8.48	2.6
Maryville	74	9	43.3	9.93	2.0
Newport	76	10	42.6	7.32	1.0
Nunnelly	69	1	40.6	5.98	1.0
Oakhill	70	−6	42.0	7.20	5.0
Palmetto	68	0	42.6	7.25	4.0
Pope	70	5	41.4	6.47	3.0
Rogersville	73	7	41.6	7.34	1.0
Rugby	69	−11	38.8	9.48	8.0
Savannah	70	2	43.5	7.08	3.0
Sewanee	64	1	40.6	12.97	3.0
Silverlake	71	0	38.6	7.21	2.2
Springdale	71	4	41.8	9.34	2.0
Springville	74	−7	40.6	8.97	6.0
Tazewell	.....	.....	.....	8.43	1.2
Tellico Plains	71	10	45.2	9.90	1.5
Tracy City	69	−2	41.2	11.30	3.5
Trenton	74	−1	41.2	8.76	6.0
Tullahoma	68	0	43.5	9.92	1.0
Union City	71	−4	39.0	7.74	5.0
Waynesboro	69	1	42.2	6.09	4.0
Wildersville	69	0	41.8	7.39	4.0
Yukon	68	2	43.5	10.42	3.0
Texas.					
Albany	74	12	40.7	5.46	.....
Alvin	.....	.....	.....	7.53	
Arthur	.....	.....	.....	6.54	4.0
Austin *a*	76	17	51.6	9.41	
Austin *b* *[b]	72	12	45.3	.....	.....
Ballinger	74	12	42.6	3.67	
Beaumont	78	20	54.5	8.78	
Beeville	81	22	54.0	7.14	
Bigspring	72	6	40.8	0.86	2.5
Blanco	74	14	45.4	7.39	T.
Boerne *[1]	72	12	47.3	8.70	
Bonham	72	6	43.1	6.05	4.5
Booth	.....	.....	.....	6.62	
Bowie	73	5	40.1	5.07	8.0
Brazoria	77	20	56.0	7.09	
Brenham	78	18	50.2	6.69	0.5
Brighton	74	22	56.7	5.52	
Brownwood	75	21	49.2	3.10	1.0
Burnet	75	12	44.4	7.08	
Camp Eagle Pass	76	28[f]	53.0[c]	2.00	
Childress	75	9	37.1	3.37	1.0
Coleman	80	12	42.4	3.56	
College Station	80	17	49.7	5.54	T.
Colorado[d]	75	2	40.4	1.00	
Columbia	77	20	55.2	7.32	
Comanche	77	10	43.0	3.93	2.0
Corsicana	84	20	51.5	6.91	2.0
Cotulla	.....	23	.....	5.50	
Cuero	78	22	53.4	9.05	T.
Dallas	80	12	42.6	7.16	6.0
Danevang	80	19	53.2	6.59	
Dublin	78	11	42.2	3.60	2.0
Duval	74	15	48.2	7.12	
Estelle	76	10	43.4	5.59	9.0
Fort Brown	82	26	61.6	1.72	
Fort Clark	72	15	46.7	1.70	
Fort Davis	72	4	42.4	0.50	5.0
Fort McIntosh	85	24	54.0	1.43	
Fort Ringgold	89	26	62.0	0.25	
Fort Stockton	.....	.....	.....	0.20	1.0
Fredericksburg	72	18	46.4	6.55	0.5
Gainesville	71	5	41.2	5.39	5.0
Gatesville	78	14	46.9	7.08	0.5
Georgetown	76	15	47.4	7.80	T.
Grapevine	72[d]	7[d]	42.0[d]	5.74	4.0
Greenville	77	3	42.8	6.74	5.0
Hale Center	70	5	38.8	2.00	.....
Hallettsville	76	21	52.2	7.03	T.
Haskell	76	7	39.2	5.16	3.5
Hearne	.....	19	.....	6.17	0.5
Henrietta	78	8	39.4	5.67	3.0
Hewitt	.....	.....	.....	5.93	0.8
Hondo	.....	.....	.....	7.11	
Houston	78	20	52.6	6.38	T.
Huntsville	78	15	47.3	7.47	
Ira	74	4	40.1	1.06	2.0
Jacksonville	76	9	47.9	6.10	1.2
Jasper	76	17	53.6	6.75	
Junction	.....	.....	.....	3.37	
Kaufman	73	14	45.4	6.92	2.0
Kent	.....	.....	.....	0.29	3.0
Kerrville	81	12	56.7	5.87	
Kopperl	.....	.....	.....	5.86	
Texas—Cont'd.	°	°	°	*Ins.*	*Ins.*
Lampasas	77	14	45.4	6.20	1.5
Lapara	.....	.....	.....	3.29	1.0
Laureles Ranch	.....	.....	.....	7.12	
Llano	80	19	45.0	6.40	1.0
Longview	73	12	47.0	9.34	0.4
Luling	76	18	49.0	8.86	
Mann	82	13	45.8	8.72	1.0
Marlin	79	18	45.2	7.64	
Menardville	77	12	42.4	3.83	1.0
Mount Blanco	71	6	35.3	0.33	3.0
Nacogdoches	74	13	48.6	6.70	T.
New Braunfels	.....	.....	.....	9.87	
Panter	.....	.....	.....	4.42	2.0
Paris	78	−2	43.0	5.80	6.0
Pearsall	77	23	52.8	5.75	
Rhineland	72	5	38.3	3.73	2.0
Rockisland	77[k]	20	52.4[e]	7.74	T.
Rockport	72	30	56.2	5.36	
Runge	78[d]	20[d]	52.8[d]	9.48	
Sanderson	75	16	46.0	1.50	1.0
San Marcos	76	17	49.4	10.31	
San Saba	78	11	45.4	3.88	0.9
Santa Gertrude Ranch	.....	.....	.....	5.55	
Shaeffer Ranch	81	20	55.7	8.16	
Sherman	69	13	42.8	5.39	4.3
Sonora	75	15	44.8	2.75	1.0
Sugarland	79	18	52.6	6.83	
Sulphur Springs	82	8	45.4	7.55	2.0
Temple *a*	77	15	43.2	8.07	
Trinity	77	14	50.1	7.24	
Tulia	69	0	30.8	1.60	16.0
Tyler	76	12	45.8	6.78	2.0
Victoria	84[e]	20[e]	53.6[e]	6.15	
Waco	76	20	50.8	6.19	1.0
Waxahachie	.....	.....	.....	5.47	3.0
Weatherford	74	9	42.6	3.66	2.0
Wharton	75	20	58.3	8.50	
Wichita Falls	.....	.....	.....	6.80	6.0
Utah.					
Alpine	.....	.....	.....	0.66	4.5
Aneth	52	2	27.2	0.50	1.0
Blackrock	47	−24	11.2	1.30	13.0
Bluecreek *[1]	47	−11	23.6	0.02	0.2
Castledale	50	23	14.0	0.28	2.8
Cisco	38	−22	13.1	1.35	13.5
Corinne	42	−14	16.7	0.10	1.0
Coyoto	48	−24	14.0	0.03	0.3
Deseret	42	−28	10.2	1.30	13.0
Emery	46	−11	19.2	0.40	4.0
Escalante	52	−11	20.2	0.50	5.0
Farmington	40	−9	19.1	0.86	8.6
Fillmore	53	−14	19.6	1.26	.....
Fort Duchesne	34	−35[j]	1.6[e]	0.80	8.0
Frisco	51	−6	20.9	1.66	.....
Garrison	47	−18	16.8	0.60	10.0
Giles	42	−18	12.9	0.42	4.8
Government Creek	46	−15	16.0	1.10	11.0
Green River	50	−23	13.9	0.55	5.5
Grover	55	−5	24.0	0.40	4.0
Heber	40	−30	10.7	0.70	.....
Henefer	47	−39	9.0	1.23	13.6
Hite	58	11	32.4	0.24	3.0
Huntsville	.....	.....	.....	0.61	6.5
Ibapah	45	−32	14.8	0.88	8.8
Kanab	52[e]	0[e]	27.2[e]	1.24	8.0
Kelton	.....	.....	.....	0.30	3.0
La Sal	44	−12	17.2	0.90	9.0
Levan	45	−15	14.0	0.98	9.8
Loa	39	−35	7.2	0.00	
Logan	39	−17	13.3	0.33	.....
Lund	43	−30	12.1	1.20	12.0
Manti	45	−16	16.2	1.18	.....
Marysvale	50	−19	17.9	0.36	6.5
Meadowville	36	−36	6.4	0.60	10.0
Millville	.....	.....	.....	0.22	.....
Minersville	47	−18	16.8	0.94	14.0
Moab	50	−9	24.2	0.90	8.0
Monticello	48	−9	22.6	0.65	.....
Morgan	48	−31	12.3	0.86	9.5
Mount Nebo	44	−15	15.0	1.50	12.3
Mount Pleasant	51	−15	18.8	1.10	11.0
Ogden *a*	38	−9	18.4	0.51	7.8
Park City	42	−13	17.0	1.34	13.4
Parowan	51	−18	19.8	0.77	8.0
Pinto	49	−19	18.1	1.06	15.8
Plateau	48	−26	14.5	1.22	15.5
Promontory	.....	.....	.....	0.56	5.0
Provo	49	−18	17.4	0.65	7.2
Ranch	50	−19	17.0	1.11	.....
St. George	67	5	31.7	0.26	5.5
Scipio	48	−29	13.4	0.86	3.0
Snowville	38	−22	12.7	0.05	.....
Terrace	41	−19	12.9	0.50	5.0
Thistle	43	−8	22.2	.....	.....
Tooele	54	−5	20.3	1.05	.....
Tropic[e]	49	−32	13.8	0.95	11.5
Vernal	39	−25	10.0	0.96	9.7
Wellington	45[d]	−21[e]	16.6[e]	0.00	

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.
Utah—Cont'd.					
Woodruff	42	−36[f]	2.6[e]	0.05	0.5
Vermont.					
Bellows Falls	.....	.....	.....	3.67	15.5
Burlington	55	−4	24.8	1.92	16.0
Chelsea	50	−16	20.0	2.73	21.0
Cornwall	55	−11	23.8	2.73	17.0
Enosburg Falls	56	−20	19.0	4.64	32.5
Jacksonville	52	−18	20.3	4.23	22.0
Manchester	56	−6	25.0	3.10	15.0
Morrisville	57	−26	19.8	5.24	34.4
Norwich	54	−22	20.7	3.78	20.0
St. Johnsbury	49	−29	20.5	2.25	20.5
Wells	58	−12	23.9	3.13	14.0
Wells River	.....	.....	.....	3.49	19.0
White River Junction	.....	.....	.....	2.91	18.2
Woodstock	50	−20	22.4	3.59	27.0
Virginia.					
Alexandria	70	5	37.8	4.95	2.0
Ashland	73	8	40.8	4.76	1.0
Barboursville	74	2	40.4	5.65	3.0
Bedford	70	6	41.9	5.48	2.0
Bigstone Gap	65	−3	40.5	8.72	4.0
Blacksburg	65	−1	35.2	5.61	3.2
Bonair	73	5	41.8	4.53	0.2
Boykins	.....	.....	.....	4.00	
Bristol	69	3	38.2	6.32	T.
Buckingham	71	10	40.1	3.98	T.
Burkes Garden	62	−6	35.2	6.75	1.0
Callaville	70	12	41.7	5.12	
Charlottesville	76	2	40.2	4.40	2.0
Clarksville	.....	.....	.....	5.74	.....
Columbia	73	3	37.4	4.00	5.0
Dale Enterprise	71	−9	36.2	3.42	7.0
Danville	.....	.....	.....	5.62	.....
Farmville	70	13	42.2	4.70	T.
Hampton	69	13	44.2	3.64	T.
Hot Springs	60	−6	34.9	5.80	4.0
La Crosse	72	14	42.5	5.50	0.0
Lexington	74	3	39.8	5.18	3.5
Lincoln	71	−13	35.5	3.95	6.0
Manassas	72	2	37.1	4.24	2.2
Marion	69[d]	2[d]	39.1[d]	.....	.....
Mendota	.....	.....	.....	7.32	T.
Newport News	76	13	45.2	3.68	
Petersburg	72	10	42.2	5.52	T.
Radford	.....	.....	.....	3.90	.....
Riverton	.....	.....	.....	1.98	0.9
Roanoke	60	7	38.1	5.21	0.1
Rockymount	63	7	38.8	5.84	.....
Saxe	73	11	42.2	5.67	T.
Shenandoah	.....	.....	.....	2.79	7.3
Speers Ferry	.....	.....	.....	8.18	T.
Spottsville	74	12	43.7	4.19	T.
Stanardsville	72	−6	34.0	5.53	.....
Staunton	70	−5	39.2	5.39	5.0
Stephens City	78[e]	−6[e]	36.0[e]	2.83[e]	10.5
Warsaw	72	6	40.1	3.82	
Westpoint	70	4	39.8	4.00	
Wilkerson	73	8	39.7	4.90	T.
Williamsburg	67	9	42.1	5.65	T.
Woodstock	69	−4	34.5	2.84	8.5
Wytheville	66	2	38.4	5.55	T.
Washington.					
Aberdeen	58	24	38.9	5.10	2.0
Anacortes	.....	.....	.....	1.11	
Ashford	.....	.....	.....	2.85	3.0
Blaine	57	20	36.0	0.60	2.5
Bremerton	60	21	37.4	3.85	0.5
Brinnon	60	24	38.6	5.09	0.1
Cedonia	44	2	24.0	0.34	3.9
Centralia	61	18	38.2	1.91	0.5
Cheney	.....	.....	.....	0.50	5.0
Clearwater	55	26	38.4	4.82	
Cle Elum	52	−9	24.7	2.48	20.0
Colfax	51	0	30.1	0.19	
Colville	50	−11	22.2	0.40	4.0
Connell	.....	.....	.....	0.15	1.5
Conconully	46	−4	21.8	0.54	5.2
Coupeville	54	25	38.8	1.01	1.2
Crescent	49	0	25.3	0.23	2.0
East Sound	54	12	37.4	1.91	3.0
Ellensburg	48	−1	24.8	0.28	0.8
Grandmound	58	16	37.8	2.71	T.
Granite Falls	.....	.....	.....	0.80	1.5
Hooper	56	12	33.3	0.17	
Ilwaco	63	25	40.6	4.25	T.
Lacenter	58	20	37.2	2.77	T.
Lakeside	46	4	24.6	0.78	3.5
Lind	49	6	30.4	0.45	3.0
Loomis	44	0	22.2	0.70	7.0
Mottinger Ranch	60	14	35.8	0.20	2.0
Mount Pleasant	58	22	37.5	1.68	
Moxee	55	2	29.5	0.42	4.2
Odessa	.....	.....	.....	0.30	3.0
Olga	52	29	39.6	2.90	1.5
Olympia	60	19	38.8	2.80	
Pinehill	57	12	34.2	1.27	4.0
Pomeroy	57	13	34.1	0.20	0.5
Washington—Cont'd.					
Port Townsend	56	27	39.7	1.14	0.1
Pullman	49	6	29.5	T.	T.
Rattlesnake Mountains	47	5	27.2	0.64	6.5
Republic	47	−8	21.8	0.45	5.0
Ritzville	.....	.....	.....	0.69	6.5
Rosalia	50	−1	28.2	0.12	0.5
Sedro-Woolley	61	21	38.4	0.96	T.
Silvana	58	19	36.9	1.75	
Snohomish	59	17	36.5	1.89	T.
Snoqualmie	55	19	36.3	4.50	.....
Southbend	60	24	40.9	6.78	
South Ellensburg	46	−2	23.7	0.45	2.0
Sprague	.....	.....	.....	0.40	4.0
Sunnyside	53	−2	31.0	0.41	4.0
Trinidad	52	5	26.9	0.34	3.0
Union	60[f]	22[f]	36.8[f]	5.01	1.6
Usk	46	−13	20.2	0.64	4.0
Vancouver	60	19	40.0	1.84	0.3
Vashon	56	23	39.0	1.76	T.
Waterville	45	−5	21.6	0.27	2.0
Wenatchee (near)	50	4	27.6	0.72	4.0
Whatcom	60	20	38.6	1.44	0.5
Wilbur	47	−7	22.4	0.50	5.0
Zindel[g]	54	10	32.8	0.13	T.
West Virginia.					
Bayard	61	−8	29.2	6.10	4.0
Beverly	62	−4	32.4	6.18	18.0
Bluefield	65	2	41.4	4.45	3.0
Buckhannon	65	−11	33.4	6.43	11.0
Burlington	67	−4	32.2	3.42	8.0
Byrne	68	−17	36.0	6.25	12.0
Camden	62	−14	35.0	6.37	12.4
Central	67	−16	32.7	6.48	7.0
Chapel	64	−16	36.8	9.59	8.4
Charleston *a*	71	−11	41.6	.....	.....
Charleston *b*	.....	.....	.....	6.36	9.0
Clay	72	−10	40.0	8.72	12.0
Creston	62	−8	33.0	4.74	5.0
Cuba	74	−18	37.6	6.94	11.5
Dayton	65	−18	32.6	6.51	7.5
Echo	72	−17	37.7	7.00	9.0
Elkhorn	70	−2	40.6	4.88	3.1
Fairmont	.....	.....	.....	4.94	8.9
Glenville	68	−13	33.6	6.39	13.0
Grafton	65	−7	33.3	5.65	9.8
Green Sulphur	66	−7	33.8	4.74	4.0
Harpers Ferry	.....	.....	.....	3.45	8.0
Highland Springs	60	−6	30.0	5.33	15.5
Hinton	66	−3	38.7	5.56	3.8
Huntington	68	4	35.0	6.65	7.0
Leonard	61	−9	33.8	8.17	9.0
Lewisburg	64	−4	34.8	5.86	5.0
Lillydale	66	−3	38.6	4.94	1.7
Logan	71	−6	41.8	8.70	9.0
Magnolia	66	−4	33.2	3.80	10.0
Martinsburg	66	−6	34.4	3.15	6.0
Morgantown	63	−6	33.8	6.47	7.6
Moscow	68	−7	30.9	6.55	8.0
Moundsville	64	−6	34.0	5.35	10.0
Myra	73	5	39.4	7.23	5.8
New Martinsville	65	−5	34.6	6.38	7.4
Nuttallburg	70	−12	41.2	5.10	10.0
Oceana	66	−9	37.8	6.54	.....
Oldfields	70	−9	34.2	2.58	8.0
Parsons	62	5	31.3	6.30	13.1
Philippi	65	−12	33.1	5.86	11.0
Pickens	62	−16	33.1	9.58	27.0
Point Pleasant	66	−3	36.1	6.41	8.0
Powellton	67	−6	39.0	5.20	7.0
Princeton	62	−1	37.8	7.15	6.0
Romney	66	−1	34.6	3.49	14.0
Rowlesburg	.....	.....	.....	6.65	13.5
Ryan	69	−19	35.0	7.14	8.5
Southside	69	−3	38.2	6.26	7.0
Summersville	66[f]	.....	.....	3.92	1.0
Terra Alta	60	−10	29.4	6.90	13.0
Travellers Repose	57	−12	29.2	6.39	16.0
Uppertract	65	−2	36.5	2.48	8.0
Wheeling *a*	.....	.....	.....	2.73	11.0
Wheeling *b*	64	0	37.5	5.29	8.0
Williamson	70	1	38.6	8.28	6.0
Wisconsin.					
Amherst	41	−21	16.2	0.96	6.0
Antigo	43	−25	15.6	0.90	8.0
Appleton	45	−17	18.8	2.27	8.3
Ashland	.....	.....	.....	1.19	.....
Barron	46	−30	13.0	0.40	4.0
Beloit	51	−12	22.9	0.66	2.3
Brodhead	51	−14	22.3	1.93	11.0
Butternut	45	−36	10.1	1.64	14.4
Chilton	46	−16	18.2	1.43	12.3
Darlington	45	−16	17.8	1.05	7.5
Delavan[e]	50	−15	22.5	.....	.....
Dodgeville	46	−17	19.6	0.50	5.0
Downing	42	−28	11.7	0.05	T.
Easton	48	−21	16.9	0.99	13.2
Eau Claire	43	−24	14.8	0.87	4.2
Florence	49	−21	15.0	1.80	2.5
Wisconsin—Cont'd.					
Fond du Lac	48	−16	21.8	0.52	.....
Grand Rapids	46	−23	16.0	.....	.....
Grand River Locks	.....	.....	.....	0.81	9.5
Grantsburg	42	−40	11.0	1.90	11.0
Hancock	45	−21	16.4	1.41	10.0
Harvey	51	−13	21.6	1.20	6.4
Hayward	43	−35	11.4	1.22	13.7
Hillsboro	49	−21	16.7	1.55	12.0
Koepenick	50	−30	14.3	0.84	8.0
Ladysmith	50	−27	14.1	0.32	3.2
Lancaster	47	−18	18.4	0.45	9.5
Madison	47	−15	20.3	1.11	6.5
Manitowoc	46	−13	21.4	1.10	10.1
Meadow Valley	50	−22	15.4	0.62	5.5
Medford	49	−27	14.0	0.20	2.0
Menasha	.....	.....	.....	0.60	6.0
Neillsville	46	−26	11.5	1.37	8.0
New London	44	−21	17.6	1.09	7.5
North Crandon	44	−25	13.4	0.15	
Oconto	45	−16	19.4	1.83	12.5
Osceola	42	.....	.....	0.44	6.5
Oshkosh	46	−18	20.4	0.79	10.2
Pine River	46	−21	18.6	1.07	10.5
Portage	49	−17	21.6	0.92	12.0
Port Washington	54	−13	23.0	2.10	14.0
Prairie du Chien *a*	57	−15	23.2	1.33	7.5
Prairie du Chien *b*	.....	.....	.....	1.32	8.1
Prentice	43	−29	13.4	0.60	4.5
Racine	43	−12	24.0	1.77	14.2
Sheboygan	46	−13	23.6	1.36	8.0
Spooner	41	−33	10.4	1.92	19.6
Stevens Point	47	−24	15.4	1.79	13.6
Tomahawk	46	−30	11.0	0.26	2.6
Valley Junction	52	−20	18.7	0.85	8.0
Viroqua	45	−20	17.8	1.09	10.6
Watertown	50	−15	19.6	1.79	10.7
Waukesha	46	−14	21.6	0.72	5.4
Waupaca	44	−22	16.6	1.02	7.9
Wausau	42	−22	15.6	1.05	7.0
Whitehall	55	−23	16.0	1.35	10.9
Wyoming.					
Alcova	46	−18	18.6	0.30	6.0
Basin	48	−17	15.9	0.21	2.1
Bedford	34	−34	7.3	0.20	2.0
Border	39	−51	−2.8	0.50	.....
Buffalo	49	−24	16.1	0.41	4.8
Centennial	36	−34	11.4	0.86	8.6
Chugwater	47	−28	17.8	1.25	12.5
Daniel	35	−49	3.6	0.45	4.5
Evanston	40	−34	9.1	0.80	6.7
Fort Laramie	52	−26	18.4	0.76	12.0
Fort Washakie	51	−28	18.5	0.13	1.3
Fort Yellowstone	40	−20	12.8	0.25	2.5
Fourbear	47	−22	16.2	0.19	7.0
Griggs	47	−33	14.1	0.70	7.0
Hyattville	50	−12	19.6	0.84	8.0
Irma	56	−18	22.4	0.10	1.0
Iron Mountain	44	−24	16.0	0.61	.....
Kimball Ranch	52	−19	20.5	0.30	3.0
Laramie	42	−26	11.4	0.36	4.8
Leo	38	−24	11.4	0.72	11.0
Lolabama Ranch	42	−25	13.2	0.13	2.5
Lusk	44	−27	14.2	1.38	13.8
Moorcroft	.....	−24	.....	0.50	5.0
Moore	42	−20	17.2	0.72	13.6
Parkman	48	−20	17.7	0.63	7.0
Pinebluff	45	−21	15.4	1.00	10.0
Rawlins	38	−28	13.4	0.95	9.5
Rocksprings	.....	−32	.....	0.89	8.9
Saratoga	46	−31	15.6	1.25	12.5
South Pass City	40	−36	5.8	1.60	16.0
Thayne	35	−37	3.9	0.29	3.2
Thermopolis	40	−25	12.2	0.50	5.0
Wheatland	45	−23	13.8	1.30	13.0
Porto Rico.					
Adjuntas	89	48	69.6	1.02	
Aguadilla	91	60	76.1	T.	
Aguirre	90	63	75.2	0.53	
Arecibo	88	60	72.6	1.25	
Bayamon	90	58	74.0	1.26	
Caguas	89	53	73.4	1.92	
Canovanas	87	68	76.6	1.79	
Cayey	85	52	70.3	2.64	
Cidra	87	51	69.6	0.63	
Coamo	90	61	76.0	0.01	
Carozal	89[g]	55[g]	77.0[g]	1.60[g]	
Fajardo	85	70	77.6	0.90	
Guanica	90	57	74.6	0.26	
Hacienda Perla	86	61	75.6	2.34	
Humacao	90	69	79.2	3.67	
Isabela	86	61	74.2	0.68	
La Caemeleta	86	60	73.0	1.16	
La Isolina	91	61	74.0	1.20	
Las Marias	92	62	77.0	0.20	
Manati	95	61	75.2	0.92	
Maunabo	88	62	75.0	3.20	
Mayaguez	93	56	75.2	0.33	
Morovis	89	60	73.6	1.69	

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	*Ins.*	*Ins.*
Porto Rico—Cont'd.					
Ponce	88	59	76.2	T.	
Rio Piedras	.....	.....	.....	1.54	
San German	89	63	76.6	1.45	
San Lorenzo	86	55	72.1	2.46	
San Salvador	86	58	71.6	0.75	
Santa Isabel	88	62	75.5	0.41	
Utuado	88	57	72.2	0.20	
Vieques	86	68	77.6	1.77	
Yauco	86	59	74.3	0.33	
Mexico.					
Ciudad P. Diaz	80	23	52.9	2.42	
Leon de Aldamas	79	38	56.4	0.03	
Vera Cruz	85	62	72.6	.....	
New Brunswick.					
St. John	48	− 4	22.2	4.38	11.6
Isthmus of Panama.					
Bohio	.....	.....	.....	0.24	
Colon	.....	.....	.....	0.28	
Gamboa	.....	.....	.....	0.12	
La Boca	88	74	80.4	0.00	

Late reports for January, 1903.

Stations.	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
Alaska.					
Coal Harbor	40	−10	23.2	3.90	28.0
Juneau	.....	− 5	.....	11.31	.....
Kenai	49	−36	5.0	0.83	9.5
Wood Island	42	4	25.2	4.74	10.8
California.					
Le Grand	65	26	44.6	2.39	
San Miguel Island	74	43	55.2	0.65	
Connecticut.					
Wallingford	.....	.....	.....	4.01	6.8
West Cornwall	47	− 6	23.0	3.93	9.8
Idaho.					
Ola	.....	.....	.....	6.45[d]	.....
Missouri.					
Oregon	53	− 2	29.4	0.23	2.0
Nebraska.					
Tecumseh *c*	.....	.....	.....	0.11	T.
Wallace	.....	.....	.....	0.20	2.0
Wisner	.....	.....	.....	0.00	
North Dakota.					
Minto	35	−29	6.2	.....	
Ohio.					
Cleveland *b*	59	− 4	26.0	1.45	10.8
Kenton	54	− 8	24.9	2.51	11.6
Texas.					
Anson	.....	.....	.....	1.30	
Tulia	77	9	38.9	0.40	4.0
Wyoming.					
Kimball Ranch	58	1	33.6	0.33	3.3
Porto Rico.					
Corozal	91	52	73.7	0.35	
Isabela	85	62	74.0	1.01	
Ponce	87	60	76.0	0.42	
San Lorenzo	86	56	72.6	2.18	
Utuado	88	59	73.0	T.	

EXPLANATION OF SIGNS.

*Extremes of temperature from observed readings of dry thermometer.

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

[1] Mean of 7 a. m. + 2 p. m. + 9 p. m. + 9 p. m. ÷ 4.
[2] Mean of 8 a. m. + 8 p. m. ÷ 2.
[3] Mean of 7 a. m. + 7 p. m. ÷ 2.
[4] Mean of 6 a. m. + 6 p. m. ÷ 2.
[5] Mean of 7 a. m. + 2 p. m. ÷ 2.
[6] Mean of readings at various hours reduced to true daily mean by special tables.

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

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

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

CORRECTIONS.

The following change has been made in name of station: Alabama, Oxanna changed to Anniston.

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

Stations.	Component direction from— N.	S.	E.	W.	Resultant. Direction from—	Duration.
	Hours.	Hours.	Hours.	Hours.	°	Hours.
New England.						
Eastport, Me	17	10	7	33	n. 75 w.	27
Portland, Me	12	18	5	32	s. 78 w.	28
Concord, N. H	7	5	7	13	n. 72 w.	6
Northfield, Vt	19	27	2	16	s. 60 w.	16
Boston, Mass	11	10	5	39	n. 88 w.	34
Nantucket, Mass	14	16	5	32	s. 86 w.	27
Narragansett, R. I*	9	9	2	18	w.	16
Block Island, R. I	15	18	6	32	s. 83 w.	26
New Haven, Conn	20	10	4	31	n. 70 w.	29
Middle Atlantic States.						
Albany, N. Y	18	26	3	20	s. 65 w.	19
Binghamton, N. Y.†	7	6	6	13	n. 82 w.	7
New York, N. Y	16	10	6	33	n. 78 w.	28
Harrisburg, Pa	13	14	14	25	s. 85 w.	11
Philadelphia, Pa	13	15	6	32	s. 86 w.	27
Scranton, Pa	16	17	12	25	s. 86 w.	13
Atlantic City, N. J	19	15	5	30	n. 81 w.	25
Cape May, N. J	17	15	7	27	n. 84 w.	20
Baltimore, Md	13	13	16	25	w.	9
Washington, D. C	15	16	10	22	s. 85 w.	12
Cape Henry, Va	7	13	5	10	s. 40 w.	8
Lynchburg, Va	12	19	11	31	s. 71 w.	21
Norfolk, Va	13	25	18	13	s. 23 e.	13
Richmond, Va	15	23	7	21	s. 60 w.	16
Wytheville, Va	12	5	10	36	n. 75 w.	27
South Atlantic States.						
Asheville, N. C	23	19	11	20	n. 14 w.	4
Charlotte, N. C	14	21	17	17	s.	7
Hatteras, N. C	21	15	16	20	n. 34 w.	7
Kittyhawk, N. C	10	7	9	10	n. 18 w.	3
Raleigh, N. C	20	17	6	28	n. 82 w.	22
Wilmington, N. C	18	18	14	20	w.	6
Charleston, S. C	19	19	14	18	w.	4
Columbia, S. C	15	18	19	18	s. 18 e.	3
Augusta, Ga	16	10	17	24	n. 49 w.	9
Savannah, Ga	19	15	15	18	n. 37 w.	5
Jacksonville, Fla	26	17	13	12	n. 6 e.	9
Florida Peninsula.						
Jupiter, Fla	16	21	25	9	s. 73 e.	17
Key West, Fla	15	17	35	3	s. 87 e.	32
Tampa, Fla	24	13	18	11	n. 32 e.	13
Eastern Gulf States.						
Atlanta, Ga	20	19	14	17	n. 72 w.	3
Macon, Ga.†	15	5	4	9	n. 27 w.	11
Pensacola, Fla.†	12	5	13	5	n. 49 e.	11
Mobile, Ala	26	18	13	11	n. 14 e.	8
Montgomery, Ala	16	19	20	13	s. 67 e.	8
Meridian, Miss †	9	7	11	6	n. 68 e.	5
Vicksburg, Miss	17	17	22	15	e.	7
New Orleans, La	23	16	21	11	n. 55 e.	12
Western Gulf States.						
Shreveport, La	19	15	22	12	n. 68 e.	11
Fort Smith, Ark	15	5	27	17	n. 45 e.	14
Little Rock, Ark	20	14	17	18	n. 9 w.	6
Corpus Christi, Tex	27	11	20	7	n. 39 e.	21
Fort Worth, Tex	24	11	16	15	n. 4 e.	13
Galveston, Tex	16	14	30	8	n. 85 e.	22
Palestine, Tex	24	13	17	16	n. 5 e.	11
San Antonio, Tex	25	10	22	11	n. 36 e.	19
Taylor, Tex †	13	8	4	7	n. 31 w.	6
Ohio Valley and Tennessee.						
Chattanooga, Tenn	17	18	14	20	s. 80 w.	6
Knoxville, Tenn	18	17	12	25	n. 86 w.	13
Memphis, Tenn	21	18	17	17	n.	3
Nashville, Tenn	18	20	14	17	s. 56 w.	4
Lexington, Ky. †	5	12	7	10	s. 23 w.	8
Louisville, Ky	14	21	12	17	s. 36 w.	9
Evansville, Ind.†	10	7	7	8	n. 18 w.	3
Indianapolis, Ind	18	19	11	19	s. 83 w.	8
Cincinnati, Ohio	16	20	14	23	s. 66 w.	10
Columbus, Ohio	9	22	12	24	s. 43 w.	18
Pittsburg, Pa	18	19	12	27	s. 86 w.	15
Parkersburg, W. Va	15	22	10	17	s. 45 w.	10
Elkins, W. Va	13	15	7	29	s. 85 w.	22
Lower Lake Region.						
Buffalo, N. Y	8	21	9	32	s. 61 w.	26
Oswego, N. Y	14	21	10	23	s. 62 w.	15
Rochester, N. Y	6	22	7	32	s. 57 w.	30
Syracuse, N. Y	10	21	7	26	s. 60 w.	22
Erie, Pa	8	20	7	33	s. 65 w.	29
Cleveland, Ohio	12	28	13	18	s. 17 w.	17
Sandusky, Ohio †	4	12	4	12	s. 45 w.	11
Toledo, Ohio	12	21	6	27	s. 67 w.	23
Detroit, Mich	13	18	7	30	s. 78 w.	24
Upper Lake Region.						
Alpena, Mich	16	13	5	34	n. 84 w.	29
Escanaba, Mich	22	14	4	29	n. 72 w.	26
Grand Haven, Mich	17	19	12	21	s. 77 w.	9
Houghton, Mich.†	12	2	7	12	n. 27 w.	11
Marquette, Mich	18	12	4	34	n. 79 w.	31
Port Huron, Mich	13	15	7	33	s. 86 w.	26
Sault Ste. Marie, Mich	15	15	16	23	w.	7
Chicago, Ill	15	15	7	30	w.	23
Milwaukee, Wis	15	12	5	34	n. 84 w.	29
Green Bay, Wis	16	23	6	25	s. 70 w.	20
Duluth, Minn	18	17	8	32	n. 88 w.	24
North Dakota.						
Moorhead, Minn	17	20	8	25	s. 80 w.	17
Bismarck, N. Dak	34	7	7	25	n. 34 w.	32
Williston, N. Dak	15	23	8	22	s. 60 w.	16
Upper Mississippi Valley.						
Minneapolis, Minn*	8	5	2	18	n. 79 w.	16
St. Paul, Minn	15	18	11	27	s. 79 w.	16
La Crosse, Wis. †	9	12	1	6	s. 59 w.	6
Davenport, Iowa	15	15	8	29	w.	21
Des Moines, Iowa	24	13	9	24	n. 54 w.	19
Dubuque, Iowa	20	17	7	26	n. 81 w.	19
Keokuk, Iowa	20	15	11	25	n. 70 w.	15
Cairo, Ill	22	18	14	16	n. 27 w.	4
Springfield, Ill	19	13	15	21	n. 45 w.	8
Hannibal, Mo. †	9	5	4	15	n. 70 w.	12
St. Louis, Mo	21	17	10	18	n. 63 w.	9
Missouri Valley.						
Columbia, Mo. *	11	10	6	9	n. 72 w.	3
Kansas City, Mo	23	18	13	15	n. 22 w.	5
Springfield, Mo	20	13	18	16	n. 16 e.	7
Topeka, Kans*	13	5	7	10	n. 21 w.	8
Lincoln, Nebr	29	17	8	13	n. 23 w.	13
Omaha, Nebr	31	16	5	14	n. 31 w.	18
Valentine, Nebr	23	11	9	27	n. 56 w.	22
Sioux City, Iowa †	12	11	5	7	n. 63 w.	2
Pierre, S. Dak	22	9	27	7	n. 57 e.	24
Huron, S. Dak	23	15	13	18	n. 32 w.	9
Yankton, S. Dak. †	6	8	5	15	s. 79 w.	10
Northern Slope.						
Havre, Mont	18	9	15	30	n. 59 w.	18
Miles City, Mont	17	19	7	23	s. 83 w.	16
Helena, Mont	16	14	6	31	n. 85 w.	25
Kalispell, Mont	6	9	3	44	s. 86 w.	41
Rapid City, S. Dak	25	6	12	23	n. 30 w.	22
Cheyenne, Wyo	23	18	6	24	n. 74 w.	19
Lander, Wyo	15	20	14	17	s. 31 w.	6
North Platte, Nebr	18	14	9	26	n. 77 w.	18
Middle Slope.						
Denver, Colo	24	18	14	13	n. 9 e.	6
Pueblo, Colo	18	13	25	15	n. 63 e.	11
Concordia, Kans	23	12	13	18	n. 24 w.	12
Dodge, Kans	26	10	17	17	n.	16
Wichita, Kans	24	15	19	12	n. 38 e.	11
Oklahoma, Okla	27	14	13	10	n. 13 e.	13
Southern Slope.						
Abilene, Tex	19	19	11	19	w.	8
Amarillo, Tex	22	18	16	15	n. 14 e.	4
Southern Plateau.						
El Paso, Tex	22	3	22	23	n. 3 w.	19
Santa Fe, N. Mex	21	19	16	12	n. 63 e.	4
Flagstaff, Ariz	7	19	24	17	s. 30 e.	14
Phoenix, Ariz	13	12	21	21	n.	1
Yuma, Ariz	37	7	9	9	n.	30
Independence, Cal	32	12	9	15	n. 17 w.	21
Middle Plateau.						
Carson City, Nev	13	29	7	17	s. 32 w.	19
Winnemucca, Nev	26	10	25	12	n. 39 e.	21
Modena, Utah	15	7	20	23	n. 21 w.	8
Salt Lake City, Utah	14	19	18	20	s. 22 w.	5
Grand Junction, Colo	26	7	15	20	n. 15 w.	20
Northern Plateau.						
Baker City, Oreg	12	30	18	16	s. 6 e.	18
Boise, Idaho	11	23	12	23	s. 43 w.	16
Lewiston, Idaho †	4	4	19	5	e,	14
Pocatello, Idaho	2	12	34	15	s. 62 e.	22
Spokane, Wash	16	14	23	17	n. 72 e.	6
Walla Walla, Wash	6	36	7	15	s. 15 w.	31
North Pacific Coast Region.						
North Head, Wash	20	11	25	12	n. 55 e.	16
Port Crescent, Wash.*	4	3	19	6	n. 86 e.	13
Seattle, Wash	23	11	21	13	n. 34 e.	14
Tacoma, Wash	19	23	13	9	s. 45 e.	6
Tatoosh Island, Wash	8	11	36	9	s. 84 e.	27
Astoria, Oreg						
Portland, Oreg	17	12	15	26	n. 66 w.	12
Roseburg, Oreg	22	10	15	24	n. 37 w.	15
Middle Pacific Coast Region.						
Eureka, Cal	20	18	17	12	n. 68 e.	5
Mount Tamalpais, Cal	26	9	17	13	n. 3 w.	17
Red Bluff, Cal	37	11	9	5	n. 9 e.	26
Sacramento, Cal	32	9	14	14	n.	23
San Francisco, Cal	30	6	8	24	n. 34 w.	29
Point Reyes Light, Cal*	13	5	3	14	n. 54 w.	14
South Pacific Coast Region.						
Fresno, Cal	26	10	6	24	n. 48 w.	24
Los Angeles, Cal	20	11	20	20	n.	9
San Diego, Cal	21	7	21	20	n. 4 e.	14
San Luis Obispo, Cal	25	9	2	19	n. 47 w.	23
West Indies.						
Basseterre, St. Kitts, W. I						
Bridgetown, Barbados	6	1	52	0	n. 86 e.	52
Grand Turk, W. I. †	0	6	26	0	s. 77 e.	27
Hamilton, Bermuda	21	13	8	28	n. 68 w.	22
Havana, Cuba †	4	5	23	1	s. 87 e.	22
Puerto Principe, Cuba						
San Juan, Porto Rico	1	21	43	1	s. 65 e.	46

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

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

States.	No. of stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total. No.	Total. Days.	
Alabama	52	T.	1	1	1				2			1	1		1	2		6										2	11	4				33	12	T.
		A.																																0	0	A.
Arizona	56	T.						1										1										2						4	3	T.
		A.																																0	0	A.
Arkansas	57	T.	2	9	15				2			1			3	6	3											3	2					46	10	T.
		A.																																0	0	A.
California	167	T.	1	1					3															5										10	4	T.
		A.																																0	0	A.
Colorado	81	T.		1																														1	1	T.
		A.									1			1	1					1														4	4	A.
Connecticut	21	T.				9	1																						1					11	3	T.
		A.																																0	0	A.
Delaware	5	T.				3																												3	1	T.
		A.																																0	0	A.
Dist. of Columbia	4	T.																																0	0	T.
		A.																																0	0	A.
Florida	47	T.		2		2			1			2	4		2	2		1					1		1			2	5	1				26	13	T.
		A.																																0	0	A.
Georgia	55	T.								1		1	11				1	11	1				2					1	5	18				52	10	T.
		A.																																0	0	A.
Idaho	34	T.																																0	0	T.
		A.																																0	0	A.
Illinois	92	T.			3																													3	1	T.
		A.																1																1	1	A.
Indiana	58	T.		1	1										1																			3	3	T.
		A.																																0	0	A.
Indian Territory	11	T.			1																													1	1	T.
		A.																																0	0	A.
Iowa	149	T.		1	2																													3	2	T.
		A.																																0	0	A.
Kansas	77	T.		4	30				1																									35	3	T.
		A.																																0	0	A.
Kentucky	41	T.	1	1		1										2													4	1				10	6	T.
		A.																																0	0	A.
Louisiana	46	T.	2	4	3		1	2	4		1	12	2	1	5	4	2	9	2	1						1	2	8	6	2				74	21	T.
		A.																																0	0	A.
Maine	19	T.				4																												4	1	T.
		A.																																0	0	A.
Maryland	48	T.				20														1										3				24	3	T.
		A.																							1									1	1	A.
Massachusetts	48	T.				10																												10	1	T.
		A.																																0	0	A.
Michigan	106	T.		2																														2	1	T.
		A.																																0	0	A.
Minnesota	67	T.																																0	0	T.
		A.																																0	0	A.
Mississippi	44	T.	4	8	8	3		1	10			3			5	2	1	8										7	8	2				70	14	T.
		A.																																0	0	A.
Missouri	95	T.		20	34										1	1	1											1						58	6	T.
		A.																																0	0	A.
Montana	40	T.																																0	0	T.
		A.															1					2												3	2	A.
Nebraska	142	T.		1	1																													2	2	T.
		A.																																0	0	A.
Nevada	40	T.																																0	0	T.
		A.																																0	0	A.
New Hampshire	19	T.		1		9																							1	1				12	4	T.
		A.																																0	0	A.
New Jersey	51	T.				20																												20	1	T.
		A.																																0	0	A.
New Mexico	31	T.																																0	0	T.
		A.																																0	0	A.
New York	99	T.		11	1	2	1		1					1																				17	6	T.
		A.																																0	0	A.
North Carolina	56	T.																8	1										1	4				14	4	T.
		A.																																0	0	A.
North Dakota	48	T.																																0	0	T.
		A.													1								1	1										3	3	A.
Ohio	128	T.	1	19	2						2	1					1																	26	6	T.
		A.																																0	0	A.
Oklahoma	23	T.		1	14																													15	2	T.
		A.																																0	0	A.
Oregon	74	T.																																0	0	T.
		A.																																0	0	A.
Pennsylvania	91	T.	1	4		8				1																				1				15	5	T.
		A.																																0	0	A.
Rhode Island	7	T.																																0	0	T.
		A.																																0	0	A.
South Carolina	46	T.			1								3					12	2										4	13				35	6	T.
		A.																																0	0	A.
South Dakota	56	T.																																0	0	T.
		A.		2			2									2		1																7	4	A.
Tennessee	56	T.	1	7	7	3			1							7													13	7				46	8	T.
		A.																																0	0	A.
Texas	95	T.		7	5		1		2	1	2	20		1	1	2	12	9			1					2	13	16	1					96	17	T.
		A.																																0	0	A.
Utah	47	T.																																0	0	T.
		A.																																0	0	A.
Vermont	16	T.		1		1																												2	2	T.
		A.																																0	0	A.
Virginia	50	T.				2												2	1											1				6	4	T.
		A.													1																			1	1	A.
Washington	64	T.	1																															1	1	T.
		A.																																0	0	A.
West Virginia	43	T.				3			2																				1	1				7	4	T.
		A.	1																															1	1	A.
Wisconsin	60	T.		3								1																						4	2	T.
		A.																																0	0	A.
Wyoming	31	T.													1																			1	1	T.
		A.																																0	0	A.
Sums	2,893	T.	15	110	129	100	4	4	29	3	5	42	21	3	20	28	21	67	7	2	1	0	3	5	1	3	15	42	63	59				802		T.
		A.	1	2	0	0	2	0	0	0	1	0	0	1	3	2	1	2	0	1	0	2	1	1	1	0	0	0	0	0				21		A.

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

Stations.	Date.	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
	1	2	3	4	5	6	7														
Albany, N. Y	4			0.44														*			
Alpena, Mich	3-4			0.95														*			
Asheville, N. C	3-4			1.36														0.61			
Atlanta, Ga	16			2.20														0.48			
Atlantic City, N. J	15-16			2.60														0.52			
Augusta, Ga	16	4:30 p. m.	9:45 p. m.	0.59	6:00 p. m.	6:07 p. m.	0.02	0.37	0.46	0.48	0.49										
Do	28	7:08 a. m.	8:50 a. m.	0.61	7:17 a. m.	7:35 a. m.	0.03	0.15	0.28	0.43	0.49	0.51									
Baltimore, Md	27-28			1.14														0.37			
Binghamton, N. Y	16-17			0.64														*			
Bismarck, N. Dak	22			0.04														*			
Block Island, R. I	16-17			1.55														*			
Boise, Idaho	10			0.28														*			
Boston, Mass	4			0.51														0.17			
Buffalo, N. Y	11			0.32														0.15			
Cairo, Ill	3			1.00														0.32			
Charleston, S. C	11			0.57														0.48			
Charlotte, N. C	16			1.13														0.41			
Chattanooga, Tenn	27-28			2.69														0.50			
Chicago, Ill	3-4			1.33														*			
Cincinnati, Ohio	3-4			1.57														0.57			
Cleveland, Ohio	27-28			1.27														0.16			
Columbia, Mo	2-3			1.78														*			
Columbia, S. C	16			0.96														0.65			
Columbus, Ohio	3-4			1.13														0.22			
Corpus Christi, Tex	26	6:18 a. m.	7:40 a. m.	0.85	6:22 a. m.	6:55 a. m.	T.	0.25	0.39	0.53	0.58	0.68	0.75	0.79	0.82						
Davenport, Iowa	3-4			1.04														*			
Denver, Colo	11-13			0.23														*			
Des Moines, Iowa	3-4			0.75														*			
Detroit, Mich	27-28			1.10														0.22			
Dodge, Kans	24-26			2.15														*			
Dubuque, Iowa	26-27			0.50														0.15			
Duluth, Minn	27-28			0.20														*			
Eastport, Me	11-12			0.57														0.17			
Elkins, W. Va	27-28			1.00														0.41			
Erie, Pa	15-17			1.56														*			
Escanaba, Mich	27			0.28														0.13			
Evansville, Ind	14-16			2.53														*			
Fort Smith, Ark	14-15			2.21														0.22			
Fort Worth, Tex	25-26			2.32														0.60			
Galveston, Tex	9-10	8:50 p. m.	11:30 a. m.	2.41	9:35 a. m.	9:55 a. m.	1.11	0.10	0.49	0.80	1.08	1.11	1.13								
Grand Haven, Mich	3-4			0.75														*			
Grand Junction, Colo	12			0.41														*			
Green Bay, Wis	3-4			0.74														*			
Harrisburg, Pa	27-28			0.96														0.27			
Hatteras, N. C	7-8	12:01 p. m.	8:20 a. m.	3.41	2:55 a. m.	4:20 a. m.	1.11	0.06	0.11	0.18	0.24	0.31	0.37	0.42	0.48	0.53	0.58	0.75	1.24	1.40	
Huron, S. Dak	27-28			0.31														*			
Indianapolis, Ind	27-28			1.11														0.23			
Jacksonville, Fla	26-27			2.00														0.66			
Jupiter, Fla	22-23			2.46														0.55			
Kalispell, Mont	15-16			0.19														*			
Kansas City, Mo	14-15			0.62														*			
Key West, Fla	23			1.24														0.43			
Knoxville, Tenn	27-28	9:20 a. m.	D. N.	2.50	1:30 a. m.	2:35 a. m.	1.41	0.12	0.26	0.36	0.46	0.50	0.52	0.57	0.64	0.77	0.79	0.94	1.06		
La Crosse, Wis	27-28			0.45														0.07			
Lewiston, Idaho	9			0.19														0.13			
Lexington, Ky	14-16			2.47														*			
Lincoln, Nebr	3-4			0.88														*			
Little Rock, Ark	14-16			3.11														0.46			
Los Angeles, Cal	1			0.57														0.26			
Louisville, Ky	14-15			2.24														0.24			
Lynchburg, Va	27-28	10:10 a. m.	9:50 a. m.	1.89	7:40 a. m.	8:00 a. m.	1.13	0.09	0.13	0.25	0.60	0.63									
Macon, Ga	28	4:50 a. m.	7:10 a. m.	0.83	4:50 a. m.	5:20 a. m.	0.00	0.32	0.40	0.49	0.53	0.57	0.66	0.68							
Memphis, Tenn	15-16			3.23														0.47			
Meridian, Miss	15-16	5:35 p. m.	12:35 p. m.	4.47	9:07 a. m.	9:30 a. m.	2.60	0.31	0.72	0.79	0.87	0.93	0.96								
Milwaukee, Wis	3-4			1.12														0.08			
Montgomery, Ala	7	D. N.	9:15 p. m.	2.77	2:50 p. m.	3:10 p. m.	1.02	0.09	0.34	0.51	0.64	0.67	0.70	0.73							
Do	16	1:10 a. m.	4:15 p. m.	2.00	11:27 a. m.	12:35 p. m.	0.61	0.09	0.14	0.20	0.27	0.36	0.40	0.45	0.49	0.51	0.58	0.70	1.23		
Do	27-28	8:30 p. m.	D. N.	1.46	12:10 a. m.	12:25 a. m.	0.56	0.34	0.55	0.67	0.71	0.74									
Nantucket, Mass	15-17			1.56														0.22			
Nashville, Tenn	27-28			1.16														0.27			
New Haven, Conn	27-28			1.00														0.26			
New Orleans, La	9-10	10:30 p. m.	10:50 p. m.	2.41	5:20 p. m.	5:50 p. m.	1.13	0.04	0.10	0.16	0.41	0.58	0.69	0.73	0.75						
Do	13-14	6:00 p. m.	3:30 a. m.	3.61	6:29 p. m.	8:12 p. m.	T.	0.06	0.22	0.24	0.33	0.58	0.66	0.81	1.02	1.11	1.19	1.61	2.04	2.53	
Do	27	1:45 p. m.	10:45 p. m.	1.33	7:00 p. m.	7:15 p. m.	0.57	0.18	0.35	0.44	0.48	0.49	0.52								
New York, N. Y	27-28			0.50														0.20			
Norfolk, Va	4			0.60														0.39			
Northfield, Vt	8-9			1.10														*			
North Head, Wash	6-7			1.12														0.13			
Oklahoma, Okla	25-26			1.38														0.21			
Omaha, Nebr	3-4			0.68														0.10			
Palestine, Tex	13			0.47											0.45						
Parkersburg, W. Va	3-4			0.81														0.26			
Pensacola, Fla	11	2:15 a. m.	6:27 a. m.	1.11	2:35 a. m.	3:15 a. m.	0.01	0.08	0.20	0.37	0.48	0.54	0.61	0.66	0.71	0.74	0.76	0.80			
Do	28	12:40 a. m.	D. N.	0.70	12:41 a. m.	12:55 a. m.	T.	0.18	0.37	0.51	0.53	0.56	0.62								
Philadelphia, Pa	4			0.91														0.24			
Pittsburg, Pa	27-28			0.87														0.14			
Pocatello, Idaho	10-11			0.15														*			
Portland, Me	11-12			0.91														0.23			
Portland, Oreg	8-9			0.43														0.16			
Pueblo, Colo	12-15			0.57														*			
Raleigh, N. C	4	7:38 a. m.	12:30 p. m.	0.90	9:40 a. m.	10:10 a. m.	0.08	0.06	0.25	0.38	0.45	0.65	0.70								
Richmond, Va	3-4			0.94														0.44			
Rochester, N. Y	15-17			1.21														*			
Sacramento, Cal	7-8			0.68														0.24			
St. Louis, Mo	3			1.01														0.28			
St. Paul, Minn	27			0.44														0.13			
Salt Lake City, Utah	11-12			0.62														*			
San Antonio, Cal	24-26	†3:30 p. m.	‡5:45 a. m.	4.12	‡2:35 a. m.	‡3:45 a. m.	2.88	0.13	0.26	0.29	0.32	0.38	0.47	0.55	0.60	0.66	0.70	0.94	1.10		
San Diego, Cal	4	6:55 a. m.	12:30 p. m.	0.60	8:10 a. m.	8:40 a. m.	0.02	0.05	0.15	0.25	0.30	0.45	0.50								
Sandusky, Ohio	27-28			1.19														*			
San Francisco, Cal	7			0.68														0.38			

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

Stations.	Date.	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
	1	2	3	4	5	6	7														
Savannah, Ga	27			1.79														0.68			
Scranton, Pa	28			1.13														0.27			
Seattle, Wash	8-9			0.77														0.11			
Shreveport, La	6-7			1.70														0.40			
Spokane, Wash	7-8			0.20														*			
Springfield, Ill	3-4			1.26														*			
Springfield, Mo	14-15			1.37														*			
Tampa, Fla	20-21			3.26														0.38			
Taylor, Tex.	9-10	5:05 p. m.	8:50 a. m.	1.15	4:57 a. m.	5:10 a. m.	0.17	0.11	0.45	0.54	0.56	0.57									
Toledo, Ohio	27-28			1.10														0.20			
Topeka, Kan	26			0.48														*			
Valentine, Nebr	26-27			0.50														*			
Vicksburg, Miss	6-7			3.73														0.54			
Washington, D. C	28	8:50 a. m.	10:40 a. m.	0.53	9:45 a. m.	9:58 a. m.	0.05	0.34	0.45	0.48											
Wilmington, N. C	7-8			1.68														0.19			
Yankton, S. Dak	3-4			1.88														*			
Bridgetown, Barbados	27			0.13							0.13										
Havana, Cuba	23	D. N.	4:36 p. m.	2.67	12:35 p. m.	1:25 p. m.	0.84	0.11	0.26	0.34	0.43	0.57	0.78	1.02	1.23	1.41	1.56	1.63	1.73		
Puerto Principe, Cuba																					
San Juan, Porto Rico	18			0.27														0.21			

* Self-register not working. † February 24. ‡ February 26.

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

Stations.	Pressure, in inches. Actual, reduced to mean of 24 hours.	Pressure. Sea level, reduced to mean of 24 hours.	Pressure. Departure from normal.	Temperature. Mean.	Temperature. Departure from normal.	Temperature. Mean maximum.	Temperature. Mean minimum.	Precipitation. Total.	Precipitation. Departure from normal.	Precipitation. Depth of snow.
	Ins.	Ins.	Ins.	°	°	°	°	Ins.	Ins.	Ins.
St. Johns, N. F	29.42	29.56	-.27	21.5	- 0.5	28.3	14.6	2.67	-2.24	22.1
Sydney, C. B. I	29.72	29.76	-.16	20.0	+ 0.7	27.6	12.3	4.05	-0.04	24.5
Halifax, N. S	29.73	29.84	-.11	25.1	+ 2.7	32.4	17.8	3.71	-1.45	16.9
Grand Manan, N. B	29.80	29.85	-.13	25.7	+ 2.3	32.3	19.1	4.17	+0.20	9.0
Yarmouth, N. S	29.81	29.88	-.11	28.4	+ 2.6	34.0	22.8	2.80	-1.94	10.6
Charlottetown, P. E. I	29.76	29.80	-.15	17.8	+ 0.2	25.6	10.0	2.39	-0.67	17.7
Chatham, N. B	29.76	29.79	-.17	14.4	+ 1.9	26.0	2.7	4.22	+1.06	33.7
Father Point, Que	29.85	29.88	-.10	14.0	+ 2.5	21.5	6.5	5.34	+3.13	38.8
Quebec, Que	29.57	29.91	-.08	14.6	+ 2.8	21.5	7.6	5.86	+2.59	39.2
Montreal, Que	29.74	29.96	-.06	18.7	+ 4.2	25.7	11.6	5.28	+2.21	26.5
Bissett, Ont	29.37	30.01	.00	10.2	+ 0.3	23.5	- 3.1	3.44	+1.44	28.4
Ottawa, Ont	29.69	30.03	+.01	18.2	+ 6.5	26.0	10.4	4.25	+1.56	26.5
Kingston, Ont	29.67	30.00	-.04	23.1	+ 5.3	30.3	16.0	2.50	-0.04	14.5
Toronto, Ont	29.62	30.02	-.02	25.7	+ 4.2	32.1	19.4	2.80	+0.19	13.0
White River, Ont	28.69	30.09	+.07	0.6	+ 0.4	18.7	-17.6	0.98	-0.54	9.8
Port Stanley, Ont	29.38	30.05	-.01	24.7	+ 1.9	31.2	18.1	3.43	+0.22	11.4
Saugeen, Ont	29.28	30.01	-.01	23.5	+ 3.6	30.8	16.3	2.74	-0.16	22.5
Parry Sound, Ont	29.25	29.98	-.03	18.1	+ 3.8	27.7	8.6	3.87	+0.95	22.1
Port Arthur, Ont	29.32	30.06	+.01	7.9	+ 1.5	20.0	- 4.3	0.29	-0.61	2.9
Winnipeg, Man	29.25	30.14	+.04	2.9	+ 4.5	14.5	- 8.6	0.10	-0.88	1.0
Minnedosa, Man	28.21	30.15	+.06	0.9	+ 3.6	12.0	-10.2	0.29	-0.32	2.9
Qu'Appelle, Assin	27.72	30.10	+.02	4.5	+ 5.1	14.1	- 5.1	0.12	-0.61	1.2
Medicine Hat, Assin	27.75	30.14	+.09	16.7	+ 5.5	28.1	5.2	0.30	-0.37	3.0
Swift Current, Assin	27.45	30.18	+.11	10.5	+ 2.5	20.1	0.8	0.56	-0.18	5.6
Calgary, Alberta	26.37	30.04	+.05	21.6	+ 8.1	32.5	10.9	0.50	-0.13	5.0
Banff, Alberta	25.33	30.15	+.17	15.8	- 3.4	27.6	3.9	0.48	-0.44	4.8
Edmonton, Alberta	27.64	30.02	.00	17.6	+ 9.3	29.8	5.3	0.26	-0.41	2.6
Prince Albert, Sask	28.41	30.06	-.05	3.8	+ 6.8	16.4	- 8.8	0.21	-0.48	2.1
Battleford, Sask	28.29	30.14	+.05	5.4	+ 5.3	17.0	- 6.1	0.04	-0.33	0.4
Kamloops, B. C	28.92	30.18	+.22	26.3	- 2.0	33.7	19.0	0.02	-0.77	0.0
Victoria, B. C	30.10	30.20	+.20	39.8	- 0.3	44.6	35.0	1.31	-2.79	1.4
Barkerville, B. C	25.69	30.12	+.21	21.1	+ 2.2	30.1	12.1	0.46	-2.60	4.0
Hamilton, Bermuda	30.03	30.20	+.09	64.0	+ 2.5	70.0	58.1	1.44	-3.00	0.0
Dawson City, Yukon	28.77			-9.2		-0.6	-17.8	1.35		13.5

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

Stations.	Distance to mouth of river.	Danger line on gage.	Highest water. Height.	Highest water. Date.	Lowest water. Height.	Lowest water. Date.	Mean stage.	Monthly range.
Mississippi River.	Miles.	Feet.	Feet.		Feet.		Feet.	Feet.
St. Paul, Minn.[1]	1,954	14						
Red Wing, Minn.[1]	1,914	14						
Reeds Landing, Minn	1,884	12	0.8	19	0.0	24-25	0.3	0.8
La Crosse, Wis.[1]	1,819	12						
Prairie du Chien, Wis.[1]	1,759	18						
Dubuque, Iowa,[1]	1,699	15						
Leclaire, Iowa,[1]	1,609	10						
Davenport, Iowa[1]	1,593	15						
Muscatine, Iowa	1,562	16	5.9	17	3.8	26	4.7	2.1
Galland, Iowa	1,472	8	2.8	17	1.0	9	1.7	1.8
Keokuk, Iowa	1,463	15	6.8	21,22	1.8	9	3.4	5.0
Hannibal, Mo.[2]	1,402	13	8.9	18	4.2	13	5.2	4.7
Grafton, Ill	1,306	23	10.2	28	6.9	20	8.1	3.3
St. Louis, Mo	1,264	30	16.0	6	7.6	21	10.7	8.4
Chester, Ill	1,189	30	13.1	7	7.0	22,23	9.2	6.1
New Madrid, Mo	1,003	34	34.9	28	17.5	1	30.3	17.4
Memphis, Tenn	843	33	33.9	28	10.8	1	26.5	23.1
Helena, Ark	767	42	43.7	28	16.9	1	34.0	26.8
Arkansas City, Ark	635	42	45.8	28	20.8	2	35.3	25.0
Greenville, Miss	595	42	40.0	28	16.6	2,3	29.6	23.4
Vicksburg, Miss	474	45	44.2	28	21.0	4	33.0	23.2
New Orleans, La	108	16	16.5	27,28	9.1	8	12.7	7.4
James River.								
Huron, S. Dak.[1]	210	9						
Missouri River.								
Bismarck, N. Dak	1,309	14	4.2	1	3.4	28	3.8	0.8
Pierre, S. Dak.[1]	1,114	14						
Sioux City, Iowa[1]	784	19						
Omaha, Nebr.[1]	669	18						
Missouri River—Cont'd.								
St. Joseph, Mo	481	10	2.2	28	0.7	1	1.3	1.5
Kansas City, Mo	388	21	12.7	23	5.6	5	7.0	7.1
Glasgow, Mo	231		6.5	25	0.4	20,21	2.4	6.1
Boonville, Mo	199	20	15.8	25	6.8	9	8.9	9.0
Hermann, Mo	103	24	12.6	4	5.0	21-23	8.1	7.6
Illinois River.								
Peoria, Ill	135	14	16.4	19,20	12.8	1	14.8	3.6
Youghiogheny River.								
Confluence, Pa	59	10	7.2	16	2.6	24-27	3.8	4.6
West Newton, Pa.[3]	15	23	16.9	28	2.9	11	6.3	14.0
Allegheny River.								
Warren, Pa[2]	177	14	10.1	5	2.8	18	5.5	7.3
Oil City, Pa	123	13	12.8	5	3.0	27	5.5	9.8
Parker, Pa.[3]	73	20	12.2	5	3.2	19	7.4	9.0
Freeport, Pa	29	20	23.5	5	3.8	23,24	10.1	19.7
Clarion River.								
Clarion, Pa	32	10	11.0	5	2.6	19	5.8	8.4
Monongahela River.								
Weston, W. Va.[4]	161	18	14.0	28	3.8	1	5.3	10.2
Fairmont, W. Va	119	25	23.8	28	2.4	11	6.6	21.4
Greensboro, Pa	81	18	26.0	28	8.3	23-25	11.2	17.7
Lock No. 4, Pa	40	28	30.1	16	8.9	11,12	13.1	21.2
Conemaugh River.								
Johnstown, Pa	64	7	11.5	28	3.0	22,23,26,27	4.3	8.5
Red Bank Creek.								
Brookville, Pa	35	8	5.2	4	1.2	10,11	2.1	4.0
Beaver River.								
Ellwood Junction, Pa.[5]	10	14	8.7	28	3.0	9-16,18	4.7	5.7

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

Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.
			Height.	Date.	Height.	Date.		
	Miles.	*Feet.*	*Feet.*		*Feet.*		*Feet.*	*Feet.*
Great Kanawha, River.								
Charleston, W. Va	58	30	23.2	18	6.3	11	10.1	16.9
Little Kanawha River.								
Glenville, W. Va	103	20	18.6	28	1.0	10	4.1	17.6
New River.								
Radford, Va	155	14	6.3	17	0.8	3	2.0	5.5
Hinton, W. Va	95	14	10.5	17	3.0	27	4.7	7.5
Cheat River.								
Rowlesburg, W. Va.[2]	36	14	10.4	28	2.4	11	4.7	8.0
Ohio River.								
Pittsburg, Pa	966	22	24.0	5	4.9	27	10.2	19.1
Davis Island Dam, Pa	960	25	22.6	5	6.9	27	11.7	15.7
Beaver Dam, Pa	925	27	31.7	5, 6	9.1	24, 27	16.8	22.6
Wheeling, W. Va	875	36	34.6	6	7.8	25	17.7	26.8
Parkersburg, W. Va	785	36	35.0	7	10.0	27	21.0	25.0
Point Pleasant, W. Va	703	39	41.0	7	13.6	27	27.6	27.4
Huntington, W. Va	660	50	46.4	18	18.8	26, 27	32.5	27.6
Catlettsburg, Ky	651	50	47.1	18	18.7	27	33.4	28.4
Portsmouth, Ohio	612	50	47.7	7	20.3	27	35.4	27.4
Cincinnati, Ohio	499	50	49.4	8, 20	23.2	1	39.7	26.2
Madison, Ind	413	46	42.5	20	21.4	1	34.6	21.1
Louisville, Ky	367	28	25.1	21	9.3	1	17.5	15.8
Evansville, Ind	184	35	40.7	23	19.1	1	35.4	21.6
Paducah, Ky	47	40	42.1	26	16.3	1	35.2	25.8
Cairo, Ill	1,073	45	44.0	27	22.2	1	38.2	21.8
Muskingum River.								
Zanesville, Ohio	70	20	19.5	5	9.1	23, 25	13.0	10.4
Scioto River.								
Columbus, Ohio[5]	110	17	15.5	28	4.3	27	6.9	11.2
Miami River.								
Dayton, Ohio[6]	77	18	9.3	28	3.4	10, 11	4.6	5.9
Wabash River.								
Mount Carmel, Ill	50	15	19.6	12, 21	11.0	27	17.3	8.6
Licking River.								
Falmouth, Ky	30	25	25.2	16	3.8	11	9.6	21.4
Kentucky River.								
High Bridge, Ky	117	17	23.7	16, 18	11.2	1	15.6	12.5
Frankfort, Ky	65	31	24.7	17	8.1	11	12.4	16.6
Clinch River.								
Speers Ferry, Va	156	20	17.4	17	0.5	3	3.0	16.9
Clinton, Tenn	52	25	26.0	18	6.0	2, 3	12.3	20.0
Holston River.								
Rogersville, Tenn	103	14	17.0	17	2.5	3	4.6	14.5
French Broad River.								
Leadvale, Tenn	70	15	10.0	17	—0.2	1, 3	2.7	10.2
Hiwassee River.								
Charleston, Tenn	18	22	16.3	17	1.9	1, 2	7.0	14.4
Tennessee River.								
Knoxville, Tenn	635	29	19.9	18	2.3	2, 3	7.1	17.6
Kingston, Tenn	556	25	19.6	18	2.6	1, 2	8.7	17.0
Chattanooga, Tenn	452	33	29.5	19	4.8	1	14.8	24.7
Bridgeport, Ala	402	24	21.8	20	3.2	2	12.0	18.6
Florence, Ala	255	16	17.7	22	3.9	2	13.4	13.8
Riverton, Ala	225	25	28.7	20, 23	5.2	2	21.7	23.5
Johnsonville, Tenn	95	24	29.2	21	7.0	3	23.4	22.2
Cumberland River.								
Burnside, Ky	516	50	39.9	17	5.2	1	15.4	34.7
Carthage, Tenn	305	40	37.4	19	6.7	2	20.1	30.7
Nashville, Tenn	189	40	37.6	21	10.2	3	25.0	27.4
Clarksville, Tenn	126	42	43.0	22	12.7	3	31.4	30.3
Arkansas River.								
Wichita, Kans	832	10	1.6	1-6, 10-12	1.1	20-22	1.4	0.5
Webbers Falls, Ind. T	465	23	9.8	28	3.3	1	6.0	6.5
Fort Smith, Ark	403	22	15.2	16	3.5	3	8.9	11.7
Dardanelle, Ark	256	21	17.0	17	4.1	1	10.3	12.9
Little Rock, Ark	176	23	19.7	17	6.1	3	13.1	13.6
White River.								
Newport, Ark	150	26	26.6	20	5.4	3	16.3	21.2
Yazoo River.								
Yazoo City, Miss	80	25	24.1	28	17.2	2	21.8	6.9
Red River.								
Arthur City, Tex	638	27	19.5	16	5.6	8, 10	11.2	13.9
Fulton, Ark	515	28	30.5	20, 21	8.7	1	21.8	21.8
Shreveport, La	327	29	28.1	28	7.4	2, 3	16.2	20.7
Alexandria, La	118	33	28.9	28	12.5	3-7	20.7	16.4
Ouachita River.								
Camden, Ark	304	39	39.6	20	13.6	3	29.0	26.0
Monroe, La	122	40	37.2	28	27.0	6	32.1	10.2
Atchafalaya River.								
Melville, La	100	31	34.2	28	25.3	7	30.0	8.9
Penobscot River.								
Mattawamkeag, Me.[1]	87	.....	.....	.....	.....	.....	.....	.....
Montague, Me.[1]	60	.....	.....	.....	.....	.....	.....	.....
Kennebec River.								
Solon, Me	86	.....	1.0	2	0.3	3-7, 10, 18-21	0.5	0.7
Winslow, Me	46	.....	5.1	1, 2, 14	4.3	27	4.7	0.8
Merrimac River.								
Concord, N. H.[1]	94	.....	.....	.....	.....	.....	.....	.....
Manchester, N. H	68	.....	4.6	15	2.9	9	3.6	1.7
Connecticut River.								
Wells River, Vt.[1]	255	.....	.....	.....	.....	.....	.....	.....
White River Junction, Vt.[1]	209	.....	.....	.....	.....	.....	.....	.....
Bellows Falls, Vt	170	12	3.9	1	2.1	27	2.7	1.8
Holyoke, Mass	84	9	4.1	15	1.3	27	2.6	2.8
Hartford, Conn	50	13	11.2	20	6.0	10, 11	8.5	5.2
Housatonic River.								
Gaylordsville, Conn	50	15	13.1	21	4.8	26	6.9	8.3
Susquehanna River.								
Binghamton, N. Y	306	16	10.7	5	3.9	27	6.0	6.8
Towanda, Pa	262	16	13.5	5	2.4	27	4.7	11.1
Wilkesbarre, Pa	183	17	18.3	6	7.4	18	11.0	10.9
Harrisburg, Pa	69	17	14.6	6	3.8	22	7.1	10.8
West Branch Susquehanna.								
Lock Haven, Pa	65	12	8.0	5	1.0	21-24	2.7	7.0
Williamsport, Pa	39	20	16.0	4	3.6	27	6.5	12.4
Juniata River.								
Huntingdon, Pa.[7]	90	24	11.0	4	4.3	25-27	5.8	6.7
Shenandoah River.								
Riverton, Va	58	22	2.4	1	0.2	13-16, 25-27	0.9	2.2
Potomac River.								
Cumberland, Md	290	8	8.1	28	3.7	25	5.1	4.4
Harpers Ferry, W. Va	172	18	10.0	6	4.0	11-13, 24, 25	6.1	6.0
James River.								
Lynchburg, Va	260	18	11.2	17	2.4	27	4.1	8.8
Richmond, Va	111	12	11.9	18	0.7	27	3.0	11.2
Dan River.								
Danville, Va	55	8	9.2	17	0.3	3, 26, 27	1.7	8.9
Roanoke River.								
Clarksville, Va	196	12	14.6	19	4.5	27	6.9	10.1
Weldon, N. C	129	30	40.2	20	11.4	4	21.0	28.8
Cape Fear River.								
Fayetteville, N. C	112	38	33.5	18	6.6	4	18.8	26.9
Edisto River.								
Edisto, S. C	75	6	5.8	15-17	4.1	6-8	4.9	1.7
Pedee River.								
Cheraw, S. C	149	27	31.6	9	4.0	4	16.6	27.6
Black River.								
Kingstree, S. C	52	12	10.6	16-19	6.8	5-7	8.6	3.8
Lynch Creek.								
Effingham, S. C	35	12	16.6	15	7.4	7	11.3	9.2
Santee River.								
St. Stephens, S. C	97	12	14.6	18	7.4	1	10.4	7.2
Congaree River.								
Columbia, S. C	37	15	20.5	9	1.6	5	7.8	18.9
Wateree River.								
Camden, S. C	45	24	29.4	9	6.6	4	17.5	22.8
Waccamaw River.								
Conway, S. C	40	7	6.7	24-26, 28	3.8	7	5.4	2.9
Savannah River.								
Calhoun Falls, S. C	347	15	12.3	8	3.3	26	5.7	9.0
Augusta, Ga	268	32	33.2	9	9.6	3	18.6	23.6
Broad River.								
Carlton, Ga	30	11	17.6	8	3.0	2	6.1	14.6
Flint River.								
Albany, Ga	80	20	25.0	17	4.5	1	12.6	20.5
Chattahoochee River.								
Oakdale, Ga	305	18	25.6	18	2.7	21	8.5	22.9
Westpoint, Ga	239	20	21.9	9	3.4	3	9.0	18.5
Eufaula, Ala	90	40	42.6	10	5.0	2, 3	19.1	37.6
Ocmulgee River.								
Macon, Ga	125	18	21.2	9	4.0	2, 3	10.5	17.2
Oconee River.								
Dublin, Ga	79	30	24.0	12	3.4	3, 4	12.7	20.6
Coosa River.								
Rome, Ga	271	30	28.7	18	2.8	1, 2	13.3	25.9
Gadsden, Ga	144	18	22.0	19	3.5	2	15.5	18.5
Alabama River.								
Montgomery, Ala	265	35	48.6	13	5.4	1, 2	30.4	43.2
Selma, Ala	212	35	50.6	15	6.8	3	33.9	43.8
Tombigbee River.								
Columbus, Miss	303	33	23.9	12	7.7	3	17.1	16.2
Demopolis, Ala	155	35	60.7	22	18.7	1	47.2	42.0
Black Warrior River.								
Tuscaloosa, Ala	90	43	56.6	17	12.5	2	38.7	44.1
Brazos River.								
Kopperl, Tex	369	21	8.0	26	—1.0	11-13	0.4	9.0
Waco, Tex	301	24	22.0	27	3.4	11	6.2	18.6
Booth, Tex	76	39	28.3	28	4.5	1	14.2	23.8
Red River of the North.								
Moorhead, Minn.[1]	418	26	.....	.....	.....	.....	.....	.....
Columbia River.								
Umatilla, Oreg	270	25	3.7	1	—0.6	23-28	0.6	4.3
The Dalles, Oreg	166	40	6.6	1	1.4	20-22	2.9	5.2
Willamette River.								
Albany, Oreg	118	20	13.9	1	5.2	21	7.6	8.7
Portland, Oreg	12	15	11.3	1	2.4	21	5.5	8.9
Sacramento River.								
Red Bluff, Cal	265	23	6.2	28	4.2	15-18	4.8	2.0
Sacramento, Cal	64	29	23.0	4	18.7	27, 28	21.1	4.3

(1) Frozen. (2) Frozen for 9 days. (3) Frozen for 8 days. (4) Frozen for 7 days. (5) Frozen for 10 days. (6) Frozen for 11 days. (7) Frozen for 5 days. (8) Record incomplete.