Average precipitation and departure from the normal.

Districts.	Number of stations.	Average.		Departure.	
		Current month.	Percentage of normal.	Current month.	Accumulated since Jan. 1.
		Inches.		*Inches.*	*Inches.*
New England	8	5.67	147	+1.8	+1.9
Middle Atlantic	12	4.75	123	+0.9	+1.5
South Atlantic	10	5.06	113	+0.6	+1.6
Florida Peninsula*	8	5.94	202	+3.0	+7.8
East Gulf	9	7.48	134	+1.9	+6.6
West Gulf	7	4.81	141	+1.4	+3.4
Ohio Valley and Tennessee	11	4.66	107	+0.3	+0.2
Lower Lake	8	2.72	108	+0.2	+0.4
Upper Lake	10	2.33	115	+0.3	−0.6
North Dakota*	8	0.41	51	−0.4	−0.6
Upper Mississippi Valley	11	2.30	100	0.0	−1.0
Missouri Valley	11	1.53	84	−0.3	−0.6
Northern Slope	7	0.88	100	0.0	−0.1
Middle Slope	6	1.34	100	0.0	+0.2
Southern Slope*	6	1.47	137	+0.4	+2.2
Southern Plateau*	13	1.31	144	+0.4	−0.5
Middle Plateau*	8	1.43	108	+0.1	−0.1
Northern Plateau*	12	1.36	93	−0.1	−1.8
North Pacific	7	4.76	92	−0.4	−4.6
Middle Pacific	5	5.47	138	+1.5	−0.3
South Pacific	4	3.84	171	+1.6	+0.3

*Regular Weather Bureau and selected voluntary stations.

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	82	+ 7	Missouri Valley	77	+ 5
Middle Atlantic	79	+ 7	Northern Slope	72	+ 5
South Atlantic	81	+ 6	Middle Slope	74	+14
Florida Peninsula	80	+ 6	Southern Slope	72	+17
East Gulf	84	+ 11	Southern Plateau	40	+ 4
West Gulf	78	+ 6	Middle Plateau	62	+ 6
Ohio Valley and Tennessee	79	+ 8	Northern Plateau	68	+ 2
Lower Lake	83	+ 7	North Pacific	75	0
Upper Lake	82	+ 3	Middle Pacific	78	+ 4
North Dakota	76	− 2	South Pacific	74	+ 3
Upper Mississippi Valley	78	+ 5			

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 2149 thunderstorms were received during the current month as against 2035 in 1902 and 802 during the preceding month.

The dates on which the number of reports of thunderstorms for the whole country was most numerous were: 7th, 341; 20th, 230; 19th, 193.

Reports were most numerous from: Ohio, 127; Missouri, 119; Illinois, 112; Tennessee and Texas, 111.

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: 9th to 17th.

In Canada: Thunderstorms were reported at Bissett, 20th; Toronto, 20; Port Stanley, 20; Parry Sound, 18, 20. No auroras were reported.

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.
Buffalo, N. Y	1	56	w.	New York, N. Y	25	52	nw.
Do	20	51	w.	North Head, Wash	9	60	s.
Cape Henry, Va	30	54	ne.	Do	10	90	s.
Charleston, S. C	29	55	ne.	Do	30	58	s.
Chicago, Ill	23	50	sw.	Point Reyes Light, Cal	8	64	nw.
Do	24	52	sw.	Do	9	54	nw.
Columbus, Ohio	23	51	w.	Do	28	53	se.
Denver, Colo	18	51	n.	Do	30	50	s.
Detroit, Mich	24	50	sw.	Syracuse, N. Y	7	56	s.
Dodge, Kans	17	50	s.	Tatoosh Island, Wash	9	66	sw.
Indianapolis, Ind	23	50	sw.	Do	13	54	e.
Marquette, Mich	30	50	sw.	Do	28	55	s.
Mount Tamalpais, Cal	8	52	nw.	Winnemucca, Nev	30	52	sw.
New York, N. Y	1	54	w.				

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 following table:

Average cloudiness and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England	6.0	+ 0.4	Missouri Valley	5.5	− 0.1
Middle Atlantic	6.3	+ 0.8	Northern Slope	5.3	0.0
South Atlantic	6.5	+ 1.8	Middle Slope	5.2	+ 0.8
Florida Peninsula	5.5	+ 1.5	Southern Slope	4.0	− 0.2
East Gulf	7.5	+ 2.8	Southern Plateau	4.1	+ 1.1
West Gulf	6.3	+ 1.1	Middle Plateau	5.7	+ 0.8
Ohio Valley and Tennessee	7.0	+ 1.1	Northern Plateau	6.2	− 0.3
Lower Lake	6.6	+ 0.2	North Pacific	6.1	− 0.5
Upper Lake	6.5	+ 0.6	Middle Pacific	6.9	+ 1.9
North Dakota	5.6	+ 0.1	South Pacific	5.4	+ 0.9
Upper Mississippi Valley	6.0	+ 0.5			

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, March, 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.							40.7	+ 8.6										82	5.67	+ 1.8										6.0	
Eastport	76	69	74	30.11	30.20	+ .27	34.2	+ 5.5	49	12	40	4	3	28	32	32	29	84	4.98	+ 0.6	17	9,308	sw.	43	ne.	20	10	7	14	6.1	2.4
Portland, Me.	103	81	117	30.08	30.22	+ .26	39.1	+ 7.1	78	20	47	13	3	32	40	35	32	78	5.60	+ 2.3	15	7,112	nw.	38	sw.	1	11	4	16	6.1	3.6
Concord	298	70	79	29.89	30.21	+ .21	39.8	+ 8.6	77	20	49	16	2	31	42	....	....	....	5.00	+ 1.5	12	4,067	ne.	35	w.	1	8	8	15	6.5	5.2
Northfield	876	16	60	29.24	30.22	+ .22	37.6	+12.6	75	20	46	4	3	29	33	33	30	79	3.87	+ 1.0	14	6,508	s.	36	sw.	1	6	9	16	6.8	1.5
Boston	125	115	181	30.08	30.23	+ .26	44.4	+10.2	76	20	52	23	2	36	33	40	37	81	5.95	+ 1.8	14	7,968	sw.	34	w.	1	11	4	16	6.0	0.3
Nantucket	12	43	85	30.21	30.23	+ .25	42.2	+ 7.3	59	21	47	25	2	37	19	40	38	88	3.53	0.0	9	10,533	sw.	43	nw.	29	7	8	16	6.5	
Block Island	31	11	60	30.20	30.23	+ .25	42.2	+ 7.4	56	14	48	22	2	37	20	40	38	86	8.03	+ 4.0	13	12,029	sw.	45	ne.	30	11	5	15	5.6	
Narragansett	....	....	....	....	....	....	42.2	+ 8.9	61	14	50	19	2	35	30	....	....	....	8.95	+ 4.4	12	....	n.	....	....	....	13	4	14	....	
New Haven	106	117	140	30.10	30.23	+ .24	44.6	+10.0	66	20	52	23	2	37	26	41	37	78	5.09	+ 0.9	14	7,037	ne.	34	ne.	30	13	9	9	4.6	T.
Mid. Atlantic States.							43.4	+ 9.1										79	4.75	+ 0.9										6.3	
Albany	97	102	115	30.12	30.23	+ .22	43.2	+11.3	74	20	52	22	1	35	35	39	36	81	3.55	+ 0.9	13	6,258	s.	27	w.	1	6	11	14	6.6	2.6
Binghamton	875	79	90	29.25	30.21	+ .19	43.0	+12.2	74	19	51	21	2	35	33	....	....	....	3.84	+ 0.8	13	4,371	ne.	24	nw.	1	6	8	17	6.7	0.4
New York	314	108	350	29.86	30.21	+ .21	47.5	+10.6	67	14	54	28	2	40	22	43	39	78	3.65	− 0.3	11	9,311	e.	54	w.	1	8	8	15	6.2	
Harrisburg	374	94	104	29.81	30.22	+ .19	47.4	+11.2	70	14	56	26	2	39	31	42	38	73	3.76	+ 0.3	13	5,111	e.	34	nw.	1	7	6	18	6.8	T.
Philadelphia	117	168	184	30.10	30.23	+ .21	49.4	+10.3	72	20	58	30	2	41	32	44	39	75	4.38	+ 1.1	10	7,707	sw.	38	s.	23	10	7	14	5.7	T.
Scranton	805	111	119	29.33	30.21	+ .19	45.8	.....	72	19	55	24	2	37	37	40	35	72	4.40	.....	12	5,393	sw.	31	w.	1	6	7	18	7.4	T.
Atlantic City	52	39	48	30.16	30.23	+ .21	45.3	+ 7.7	61	28	51	27	2	40	22	43	41	87	5.71	+ 1.8	11	6,646	sw.	31	se.	30	11	7	13	5.4	
Cape May	17	47	51	30.21	30.24	+ .23	46.2	+ 6.7	62	27	51	30	2	41	18	44	....	....	6.25	+ 1.9	12	6,198	s.	34	ne.	30	10	8	13	6.0	
Baltimore	123	69	117	30.07	30.21	+ .18	49.6	+ 8.1	72	28	57	29	2	42	31	45	40	75	4.40	+ 0.3	13	4,938	se.	32	w.	1	11	7	13	6.0	
Washington	112	59	76	30.09	30.21	+ .17	50.0	+ 8.7	74	20	59	25	2	41	31	46	43	83	5.73	+ 1.6	12	5,144	s.	31	nw.	28	8	11	12	6.1	T.
Cape Henry	18	5	58	30.17	30.19	+ .16	51.8	+ 6.6	77	24	59	36	2	45	27	....	....	....	4.65	− 0.5	12	9,812	ne.	54	ne.	30	5	10	16	6.7	
Lynchburg	681	83	88	29.42	30.18	+ .13	52.8	+ 7.6	75	18	62	25	2	43	38	46	42	75	5.05	+ 1.4	10	3,185	ne.	20	ne.	30	10	9	12	6.0	
Norfolk	91	102	111	30.11	30.21	+ .18	54.6	+ 7.7	77	24	63	35	2	46	29	50	48	88	6.01	+ 1.4	13	7,006	ne.	37	ne.	30	11	7	13	5.8	
Richmond	144	82	90	30.05	30.21	+ .17	54.4	.....	76	20	64	31	2	45	30	....	....	....	8.14	.....	10	3,962	ne.	28	s.	23	10	6	15	6.2	
Wytheville	2,293	40	47	27.77	30.19	+ .14	49.3	.....	72	9	59	23	2	40	36	45	42	82	5.03	.....	11	3,425	e.	20	nw.	31	6	11	14	6.5	3.2
S. Atlantic States.							59.7	+ 6.8										81	5.06	+ 0.6										6.5	
Asheville	2,255	73	100	27.81	30.15	+ .09	52.4	+ 6.5	73	23	61	25	2	44	34	47	44	80	7.06	+ 2.9	15	6,050	se.	36	e.	30	3	12	16	7.2	T.
Charlotte	773	68	76	29.32	30.17	+ .12	57.4	+ 7.5	77	20	66	31	2	49	26	51	47	77	5.77	+ 1.0	12	4,986	ne.	32	ne.	29	6	10	15	6.6	
Hatteras	11	12	47	30.18	30.19	+ .15	58.2	+ 8.1	73	23	62	45	2	54	17	55	53	88	5.30	− 0.8	15	11,328	ne.	48	se.	30	3	14	14	6.8	
Kittyhawk	....	....	....	....	....	....	54.4	+ 7.0	72	*	61	39	5	48	26	....	....	....	5.53	+ 0.4	10	11,107	ne.	....	....	....	8	6	17	6.5	
Raleigh	376	93	101	29.77	30.17	+ .12	57.4	+ 9.2	79	20	67	30	2	48	29	52	48	80	7.32	+ 3.3	14	4,673	ne.	28	ne.	30	8	10	13	5.9	
Wilmington	78	82	90	30.07	30.15	+ .10	60.6	+ 6.7	77	24	69	38	2	52	26	55	52	83	3.32	− 0.6	9	6,048	ne.	34	e.	29	5	14	12	6.4	
Charleston	48	14	92	30.10	30.15	+ .09	62.6	+ 5.9	78	21	68	46	2	57	18	58	55	82	3.44	− 0.5	12	7,931	ne.	55	ne.	29	2	22	7	6.1	
Columbia	351	114	122	29.78	30.17	+ .11	61.1	+ 6.9	80	20	69	36	2	53	25	55	52	79	3.90	− 0.6	11	5,745	ne.	38	ne.	29	4	11	16	6.7	
Augusta	180	89	97	29.95	30.14	+ .08	62.0	+ 6.5	80	20	70	39	2	54	30	56	52	77	5.95	+ 0.8	15	4,568	ne.	37	ne.	29	6	12	13	6.5	
Savannah	65	79	89	30.07	30.13	+ .07	63.9	+ 5.4	81	23	70	45	2	57	20	58	56	84	5.53	+ 1.8	13	5,962	e.	43	ne.	29	2	21	8	6.4	
Jacksonville	43	101	129	30.04	30.09	+ .03	66.8	+ 4.8	80	23	74	48	2	60	23	61	59	83	2.55	− 0.9	11	7,054	ne.	36	sw.	29	4	13	14	6.4	
Florida Peninsula.							73.4	+ 4.7										80	5.76	+ 3.4										5.5	
Jupiter	28	10	48	30.04	30.07	+ .02	73.7	+ 5.9	83	24	78	62	26	69	15	68	66	79	9.27	+ 6.3	17	9,381	ne	36	se.	29	8	14	9	5.5	
Key West	22	43	50	30.02	30.03	− .02	75.4	+ 2.7	83	23	80	67	29	71	13	70	67	78	3.23	+ 2.0	12	7,706	e.	36	w.	28	10	12	9	5.2	
Tampa	34	60	67	30.03	30.07	.00	71.0	+ 5.5	84	21	79	50	26	63	24	64	62	82	4.79	+ 2.0	14	4,829	ne.	27	s.	29	6	16	9	5.8	
East Gulf States.							61.3	+ 3.5										84	7.48	+ 1.9										7.5	
Atlanta	1,174	190	216	28.90	30.14	+ .08	57.0	+ 5.5	75	10	63	32	2	51	21	53	52	88	9.07	+ 3.3	15	8,534	se.	37	ne.	29	5	3	23	7.6	
Macon	370	93	99	29.73	30.13	+ .07	60.8	.....	79	20	68	35	2	53	27	....	....	....	5.38	.....	14	4,820	e.	36	ne.	29	3	5	23	8.1	
Pensacola	56	79	96	30.03	30.09	+ .03	62.6	+ 3.1	73	11	68	45	26	58	20	....	....	....	6.36	+ 0.9	15	7,021	e.	38	se.	14	4	14	13	6.8	
Mobile	57	88	96	30.03	30.09	+ .03	62.8	+ 3.9	75	17	69	44	26	57	23	58	55	81	6.63	− 0.9	13	4,966	n.	25	n.	25	3	9	19	7.6	
Montgomery	223	100	112	29.87	30.10	+ .04	61.4	+ 4.4	82	20	68	39	2	54	27	57	55	85	5.21	− 1.3	14	5,151	e.	26	ne.	29	3	8	20	7.8	
Meridian	375	84	93	29.70	30.10	+ .05	59.8	+ 2.4	79	6	67	32	26	52	33	....	....	....	4.45	− 1.1	16	4,554	ne.	19	nw.	23	3	11	17	7.7	
Vicksburg	247	62	74	29.79	30.06	+ .02	61.1	+ 3.1	80	17	68	36	1	54	24	56	53	83	6.00	− 0.4	13	5,034	n.	23	nw.	23	3	11	17	7.3	
New Orleans	51	88	121	30.01	30.06	+ .02	64.0	+ 2.0	82	7	71	45	2	58	20	59	56	83	14.61	+ 9.3	17	6,599	ne.	29	n.	21	5	7	19	7.4	
West Gulf States.							59.0	+ 1.2										78	4.81	+ 1.4										6.3	
Shreveport	249	77	84	29.83	30.10	+ .08	59.5	+ 1.9	79	16	67	33	1	52	24	53	49	74	2.89	− 1.8	12	5,210	se.	30	se.	7	6	8	17	6.6	
Fort Smith	457	79	94	29.61	30.10	+ .09	54.8	+ 4.8	78	31	64	23	1	46	29	48	43	70	3.96	+ 0.7	13	6,283	e.	42	w.	23	5	18	8	5.6	1.5
Little Rock	357	93	100	29.74	30.12	+ .09	56.4	+ 4.2	77	17	64	27	1	49	29	50	44	69	5.09	− 0.1	11	5,725	ne.	28	s.	6	11	12	8	5.3	T.
Corpus Christi	20	48	53	30.02	30.04	+ .06	62.3	− 0.5	76	9	68	42	1	57	19	59	57	86	7.69	+ 6.0	14	7,711	n.	37	se.	18	5	10	16	6.9	
Fort Worth	670	106	114	29.39	30.12	+ .14	54.1	.....	77	31	62	25	1	46	28	....	....	....	2.03	.....	7	6,972	n.	34	nw.	9	16	2	13	4.9	
Galveston	54	106	112	29.98	30.03	+ .02	62.0	− 0.5	75	16	66	41	1	58	15	59	58	89	8.11	+ 5.2	16	9,010	n.	46	nw.	19	6	11	14	6.4	
Palestine	510	73	79	29.55	30.08	+ .08	58.6	+ 1.0	78	31	66	30	1	51	26	53	49	78	4.66	+ 0.7	13	5,685	ne.	25	s.	9	4	9	18	7.3	T.
San Antonio	701	80	91	29.32	30.04	+ .06	59.2	− 2.7	79	31	67	35	1	51	28	54	51	77	1.29	− 0.8	7	6,042	se.	37	nw.	19	3	11	17	7.0	
Taylor	583	55	63	29.46	30.08	+ .09	57.6	.....	78	31	66	30	1	50	28	....	....	....	3.11	.....	9	6,982	n.	28	nw.	7	3	12	16	7.0	T.
Ohio Val. and Tenn.							52.0	+ 7.8										79	4.66	+ 0.3										7.0	
Chattanooga	762	106	112	29.35	30.18	+ .12	56.6	+ 6.1	75	18	63	31	2	50	25	51	47	76	6.22	+ 0.3	20	4,850	ne.	24	w.	24	5	7	19	7.3	
Knoxville	1,004	10	88	29.09	30.15	+ .09	55.8	+ 8.2	78	19	64	30	2	47	30	50	48	82	6.96	+ 1.6	18	4,709	w.	32	ne.	29	7	10	14	6.1	
Memphis	397	140	154	29.71	30.14	+ .10	56.4	+ 4.8	77	17	63	29	1	50	25	52	49	82	5.59	− 0.3	10	7,078	nw.	36	w.	20	4	8	19	7.3	
Nashville	546	122	131	29.58	30.18	+ .13	54.2	+ 5.5	76	19	62	29	1	47	31	50	46	81	5.17	0.0	15	4,887	s.	29	s.	7	6	6	19	7.2	
Lexington	989	75	102	29.08	30.16	+ .11	50.4	+ 7.8	76	19	58	24	1	43	27	....	....	....	3.24	− 1.7	17	7,549	ne.	40	nw.	23	4	9	18	7.3	0.2
Louisville	525	114	136	29.59	30.18	+ .13	51.7	+ 7.3	80	18	60	26	2	43	30	47	43	78	3.18	− 0.8	12	5,775	n.	48	w.	23	5	8	18	7.0	T.
Evansville	431	72	82	29.67	30.15	+ .11	51.0	.....	77	19	58	22	1	44	32	....	....	....	4.66	.....	14	4,854	ne.	33	w.	23	3	14	14	7.1	0.6
Indianapolis	822	154	164	29.27	30.18	+ .14	47.2	+ 7.7	76	18	55	19	1	39	30	44	41	85	2.13	− 1.5	12	7,385	ne.	50	sw.	23	2	19	10	6.5	1.3
Cincinnati	628	152	157	29.49	30.18	+ .13	49.7	+ 7.5	77	19	58	24	1	42	26	46	42	79	4.97	+ 1.7	12	4,947	ne.	36	w.	23	3	10	18	7.7	T.
Columbus	824	87	100	29.28	30.17	+ .13	47.8	+ 9.7	77	19	56	23	1	39	26	43	40	80	4.13	+ 1.2	10	8,454	sw.	51	w.	23	3	11	17	7.4	T.
Pittsburg	842	116	123	29.27	30.19	+ .15	50.1	+11.4	78	20	58	25	2	42	26	44	40	75	4.29	+ 1.6	13	4,277	nw.	29	nw.	20	7	9	15	6.5	T.
Parkersburg	638	77	84	29.49	30.19	+ .14	51.7	+10.3	81	20	61	26	8	43	33	45	41	76	5.35	+ 1.7	13	4,090	s.	39	nw.	20	5	11	15	6.8	T.
Elkins	1,940	41	50	28.11	30.18	+ .13	48.6	.....	77	19	59	16	2	38	40	43	39	79	3.64	.....	13	3,215	n.	29	se.	30	2	15	14	7.0	0.6
Lower Lake Region.							42.1	+ 9.8										83	2.72	+ 0.2										6.6	
Buffalo	767	178	206	29.34	30.19	+ .17	41.4	+11.4	74	20	48	19	1	35	26	38	36	85	3.32	+ 0.8	17	10,084	sw.	56	w.	1	2	13	16	7.5	0.5
Oswego	335	76	91	29.81	30.19	+ .18	40.4	+10.0	76	20	47	18	1	34	33	38	35	86	4.82	+ 2.2	12	7,794	s.	35	nw.	25	10	4	17	6.4	3.1
Rochester	523	81	90	29.61	30.20	+ .18	42.4	+12.1	79	20	50	18	1	35	32	38	35	82	3.88	+ 1.0	14	6,538	w.	36	sw.	1	5	8	18	7.3	2.4
Syracuse	597	97	113	29.54	30.19	+ .17	42.1	.....	76	19	50	18	1	35	33	....	....	....	4.65	.....	15	8,683	nw.	56	s.	7	4	10	17	7.0	1.5
Erie	713	92	102	29.39	30.18	+ .16	42.0	+ 9.6	77	19	49	18	1	35	37	38	36	83	2.82	+ 0.1	14	7,259	w.	41	s.	7	11	6	14	6.1	0.3
Cleveland	762	190	201	29.34	30.18	+ .15	43.6	+10.1	76	19	51	22	2	36	24	40	37	82	2.10	− 0.7	16	9,711	se.	48	sw.	20	5	12	14	6.5	0.8
Sandusky	629	62	70	29.49	30.19	+ .16	42.6	+ 7.9	77	19	50	22	1	36	28	....	....	....	1.77	− 0.8	13	5,638	sw.	32	nw.	25	8	10	13	6.0	0.1
Toledo	628	123	127	29.48	30.17	+ .14	42.8	+ 8.2	76	19	51	21	1	35	36	38	35	80	1.67	− 0.4	11	7,620	ne.	42	sw.	24	6	15	10	6.0	0.3
Detroit	730	153	193	29.36	30.17	+ .14	41.4	+ 8.9	73	19	49	19	1	34	30	38	36	85	1.36	− 0.9	12	8,650	sw.	50	sw.	24	6	9	16	6.7	0.1
Upper Lake Region.							35.6	+ 9.0										82	2.33	+ 0.3										6.5	
Alpena	609	63	80	29.48	30.15	+ .12	35.8	+11.8	73	19	43	7	1	29	32	32	29	84	1.51	− 0.4	8	7,803	se.	38	s.	24	8	8	15	6.1	1.4
Escanaba	612	43	57	29.45	30.14	+ .10	31.6	+ 9.8	46	26	38	6	1	26	23	30	28	89	2.70	+ 0.9	10	5,857	n.	31	s.	24	7	8	16	6.3	1.5
Grand Haven	632	54	92	29.44	30.14	+ .11	39.2	+ 8.6	71	19	46	16	1	32	34	36	34	86	1.64	− 0.6	11	9,176	s.	49	s.	24	8	10	13	6.3	2.2
Houghton	668	66	74	29.37	30.12	+ .08	30.8	.....	56	12	38	5	6	24	34	....	....	....	3.27	.....	13	4,476	w.	35	n.	24	9	6	16	6.9	11.0
Marquette	734	79	116	29.31	30.14	+ .10	31.9	+ 8.7	56	30	37	8	1	27	22	29	25	78	2.44	+ 0.6	13	6,964	nw.	50	sw.	30	4	9	18	7.2	10.8
Port Huron	638	70	120	29.48	30.19	+ .16	39.6	+10.5	74	19	47	18	1	32	33	36	33	84	1.54	− 1.1	7	8,547	sw.	45	sw.	24	5	9	17	7.1	0.1
Sault Ste. Marie	614	40	61	29.43	30.12	+ .09	31.1	+ 9.2	50	19	37	− 1	1	25	27	28	25	80	3.01	+ 1.8	13	6,459	se.	38	w.	25	9	9	13	6.1	2.6
Chicago	823	241	274	29.25	30.16	+ .13	40.4	+ 6.3	74	18	48	13	1	33	32	37	35	85	1.67	− 0.8	11	12,622	sw.	52	sw.	24	12	5	14	5.7	0.7
Milwaukee	681	124	142	29.39	30.16	+ .13	39.6	+ 9.1	75	18	47	11	1	32	39	35	32	82	3.20	+ 0.7	12	7,873	sw.	44	sw.	24	8	10	13	6.2	2.5
Green Bay	617	49	57	29.44	30.12	+ .08	36.6	+ 9.9	72	18	44	6	1	29	39	33	29	79	3.75	+ 1.6	14	7,904	ne.	38	nw.	24	4	6	21	7.1	1.7
Duluth	702	95	116	29.33	30.12	+ .06	30.2	+ 6.2	57	30	37	− 1	1	24	32	27	23	75	1.87	+ 0.2	13	7,398	ne.	32	ne.	19	9	9	13	6.3	3.1

TABLE I.—*Climatological data for Weather Bureau Stations, March, 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.							23.2	+ 1.1										76	0.35	— 0.5										5.6	
Moorhead	935	54	60	29.08	30.14	+ .06	26.0	+ 5.8	51	31	34	3	21	18	26	24	23	91	0.85	0.0	6	8,547	nw.	46	se.	29	7	9	15	6.5	6.7
Bismarck	1,674	16	29	28.30	30.16	+ .10	25.2	+ 2.6	67	29	36	— 4	20	14	39	21	14	64	0.12	— 1.0	4	8,287	n.	35	n.	19	12	9	10	5.1	1.2
Williston	1,885	14	44	28.04	30.10	+ .06	18.5	— 5.0	62	31	29	—19	20	8	49	17	12	73	0.09	— 0.4	4	7,332	n.	42	w.	21	11	10	10	5.1	1.0
Upper Miss. Valley.							42.3	+ 6.5										78	2.30	0.0										6.0	
Minneapolis	.....	99	208	.....	.....	.....	33.6	+ 6.2	60	31	40	8	1	27	28	.....	.....	.....	2.05	+ 0.5	7	8,212	nw.	38	nw.	24	8	8	15	....	4.1
St. Paul	837	102	122	29.18	30.11	+ .06	34.0	+ 6.5	60	12	40	10	1	28	23	32	29	82	2.33	+ 0.9	7	6,069	nw.	30	nw.	24	9	6	16	6.4	3.7
La Crosse	714	71	87	29.34	30.14	+ .10	38.0	+ 7.2	71	18	45	6	1	31	31	.....	.....	...	1.56	0.0	12	5,663	s.	25	nw.	24	9	8	14	5.7	1.5
Davenport	606	71	79	29.46	30.11	+ .08	42.6	+ 7.7	76	18	51	13	1	34	29	38	35	78	2.06	— 0.1	12	5,681	s.	32	w.	24	8	8	15	6.1	0.7
Des Moines	861	84	88	29.20	30.15	+ .11	40.6	+ 5.9	74	18	50	15	1	32	34	36	33	79	1.09	— 0.4	11	6,371	sw.	34	sw.	18	7	12	12	6.3	8.3
Dubuque	698	100	117	29.37	30.14	+ .10	39.6	+ 6.7	75	18	48	11	1	32	29	36	32	77	1.84	— 0.4	12	5,016	se.	26	sw.	24	7	4	20	7.2	2.6
Keokuk	614	63	78	29.46	30.13	+ .10	44.4	+ 6.8	77	18	53	15	1	36	30	40	36	79	3.03	+ 0.8	11	5,856	sw.	32	w.	24	11	11	9	5.2	0.2
Cairo	356	87	93	29.77	30.16	+ .12	52.0	+ 5.2	75	17	59	23	1	45	30	47	43	75	4.28	+ 0.5	11	6,184	ne.	29	w.	23	6	8	17	6.7	T.
Springfield, Ill.	644	82	93	29.46	30.16	+ .13	45.4	+ 6.2	76	18	54	16	1	36	30	41	37	80	1.47	— 1.2	8	7,003	s.	28	s.	18	11	7	13	5.5	0.3
Hannibal	534	75	110	29.56	30.14	+ .12	46.0	+ 6.5	77	17	55	13	1	37	31	.....	.....	...	2.37	— 0.3	10	6,578	sw.	31	nw.	24	10	8	13	5.9	T.
St. Louis	567	111	210	29.53	30.14	+ .11	49.4	+ 6.3	78	17	57	20	1	42	26	44	40	75	3.20	— 0.3	12	6,464	s.	37	sw.	19	10	8	13	5.5	0.3
Missouri Valley.							38.9	+ 3.5										77	1.53	— 0.3										5.5	
Columbia	784	11	84	29.28	30.13	+ .10	46.4	+ 5.0	79	17	56	15	1	36	40	.....	.....	...	3.46	+ 0.4	13	6,081	se.	30	w.	23	11	6	14	5.9	0.8
Kansas City	963	78	95	29.11	30.16	+ .14	45.4	+ 4.9	76	17	55	17	1	36	37	40	35	74	1.92	— 0.3	7	5,833	se.	24	nw.	20	10	10	11	5.5	3.0
Springfield, Mo	1,324	98	104	28.70	30.12	+ .10	48.0	+ 4.5	74	17	57	17	1	39	31	43	39	78	2.82	— 0.9	11	7,445	se.	33	w.	23	14	7	10	4.6	0.2
Topeka	.....	81	89	.....	.....	.....	44.0	+ 3.0	76	31	55	15	1	33	36	.....	.....	...	1.27	— 0.9	5	6,802	s.	29	s.	18	7	13	11	5.9	1.2
Lincoln	1,189	75	84	28.82	30.12	+ .10	39.1	+ 1.2	74	17	49	12	1	30	35	35	30	76	0.47	— 0.9	6	8,558	n.	32	nw.	20	10	7	14	5.7	2.1
Omaha	1,105	115	121	28.92	30.13	+ .09	39.6	+ 4.1	74	17	48	14	1	31	36	35	31	77	0.58	— 0.9	7	6,924	s.	28	nw.	23	10	7	14	6.0	2.3
Valentine	2,598	47	54	27.28	30.08	+ .05	32.3	+ 1.1	75	31	44	1	1	21	47	28	24	79	0.28	— 1.2	5	8,919	nw.	41	sw.	29	14	8	9	4.7	1.3
Sioux City	1,135	96	164	28.88	30.13	+ .08	36.0	+ 4.4	67	12	45	11	20	27	36	.....	.....	...	1.85	+ 0.6	8	9,613	nw.	41	nw.	23	8	8	15	6.2	0.3
Pierre	1,572	43	50	28.40	30.12	+ .07	31.8	+ 2.4	72	29	41	4	20	22	38	27	23	75	1.03	+ 0.2	6	6,802	se.	42	n.	19	10	9	12	5.6	5.7
Huron	1,306	56	67	28.69	31.13	+ .07	30.4	+ 2.8	65	11	40	3	20	21	38	26	23	80	1.02	+ 0.1	5	9,723	se.	47	se.	29	9	11	11	5.7	0.9
Yankton	1,233	42	49	28.78	30.14	+ .09	34.8	+ 4.8	71	12	44	10	20	26	37	.....	.....	...	2.13	+ 1.0	6	6,152	nw.	28	se.	9	14	7	10	4.9	1.8
Northern Slope.							29.7	— 2.2										72	0.88	0.0										5.3	
Havre	2,505	46	53	27.37	30.11	+ .11	19.8	— 9.2	56	10	31	—10	20	9	49	18	15	85	0.52	0.0	6	6,803	ne.	39	sw.	31	10	15	6	5.1	4.0
Miles City	2,371	42	50	27.47	30.06	+ .04	29.4	— 2.0	70	30	39	2	5	19	40	25	21	76	0.28	— 0.3	4	4,834	n.	32	nw.	21	10	12	9	5.6	2.8
Helena	4,110	88	94	25.74	30.05	+ .04	29.2	— 3.4	61	28	40	— 1	5	19	43	24	16	63	0.92	+ 0.3	8	5,545	sw.	33	w.	30	9	9	13	5.7	12.3
Kalispell	2,965	45	51	26.85	29.97	— .02	32.7	.....	58	24	41	6	5	24	32	28	22	65	0.53	.....	7	4,946	w.	32	sw.	8	11	14	6	4.6	0.2
Rapid City	3,234	46	50	26.60	30.08	+ .07	30.8	— 0.4	67	31	43	— 3	20	19	46	26	22	76	1.10	0.0	8	6,667	w.	36	se.	5	15	6	10	4.7	9.0
Cheyenne	6,088	56	64	23.94	30.06	+ .10	32.0	— 0.9	62	11	43	2	19	21	35	26	19	65	1.00	+ 0.3	8	7,186	w.	34	w.	6	7	10	14	6.3	9.5
Lander	5,372	26	36	24.57	30.05	+ .06	30.1	— 0.4	65	12	44	—13	20	16	43	24	17	64	2.25	+ 0.6	7	2,648	sw.	24	sw.	6	9	18	4	4.9	22.2
North Platte	2,821	43	52	27.11	30.11	+ .11	36.3	+ 1.2	75	12	47	5	1	26	42	31	28	80	0.12	— 0.6	3	6,778	s.	31	nw.	19	10	12	9	5.3	T.
Middle Slope.							42.2	+ 0.2										74	1.34	0.0										5.2	
Denver	5,291	79	151	24.67	30.03	+ .08	37.9	— 0.9	72	12	49	10	20	26	37	31	24	67	0.87	— 0.1	4	5,228	s.	51	n.	18	10	11	10	5.3	9.9
Pueblo	4,685	80	86	25.25	30.00	+ .08	40.2	— 0.2	75	12	55	3	1	26	46	32	23	60	1.01	+ 0.5	8	4,747	se.	36	w.	21	9	14	8	5.3	6.9
Concordia	1,398	42	47	28.61	30.12	+ .11	41.0	+ 2.0	74	17	51	7	1	31	37	36	34	82	1.21	— 0.4	11	5,925	s.	28	s.	17	13	5	13	4.9	4.0
Dodge	2,509	44	54	27.44	30.10	+ .13	39.9	— 1.7	76	31	52	— 9	1	28	43	35	31	78	0.67	— 0.3	4	9,194	se.	50	s.	17	11	8	12	5.3	0.1
Wichita	1,358	78	86	28.67	30.13	+ .14	45.5	+ 2.0	76	31	56	12	1	35	31	41	37	80	1.61	— 0.3	7	6,704	s.	29	sw.	25	10	13	8	5.1	T.
Oklahoma	1,214	79	86	28.80	30.10	+ .12	48.9	— 0.2	77	31	59	18	1	39	33	43	39	75	2.68	+ 0.6	10	8,312	s.	38	n.	22	10	9	12	5.5	1.0
Southern Slope.							47.8	— 1.6										72	1.28	+ 0.5										4.0	
Abilene	1,738	45	54	28.25	30.07	+ .11	52.3	— 1.8	83	31	62	23	1	43	29	46	42	76	2.31	+ 1.1	4	5,365	se.	25	nw.	23	3	15	13	3.6	0.8
Amarillo	3,676	43	52	26.26	30.03	+ .08	43.4	— 1.5	81	31	56	— 2	1	30	41	36	29	67	0.26	— 0.1	4	10,258	s.	32	nw.	22	16	13	2	4.3	1.0
Southern Plateau.							50.1	— 1.1										40	1.00	+ 0.1										4.1	
El Paso	3,762	10	110	26.17	29.95	+ .07	54.4	— 1.4	82	31	68	25	1	41	42	40	24	38	0.15	-- 0.2	3	8,226	nw.	42	w.	30	14	14	3	3.7	T.
Santa Fe	7,013	47	50	23.21	29.99	+ .10	39.2	— 0.3	64	31	50	4	1	29	33	30	19	49	1.32	+ 0.7	8	5,279	nw.	36	s.	17	20	7	4	3.2	1.0
Flagstaff	6,907	12	25	23.29	29.92	+ .01	35.7	— 1.5	58	12	47	10	2	25	40	31	.....	...	3.77	+ 0.9	10	.....	sw.	.....	.....	...	10	9	12	5.4	25.3
Phoenix	1,108	50	56	28.80	29.96	+ .05	59.8	— 1.1	86	29	74	36	18	46	39	47	32	42	0.42	— 0.2	5	3,279	e.	19	sw.	17	16	8	7	3.9	
Yuma	141	16	50	29.80	29.95	+ .01	63.2	— 0.8	90	28	77	38	8	49	41	49	34	38	T.	— 0.3	0	4,837	w.	30	w.	17	23	7	1	1.7	
Independence	3,910	51	58	25.91	29.91	— .03	48.1	— 1.6	71	29	59	26	7	38	31	36	16	32	0.34	— 0.1	3	6,732	s.	38	s.	13	5	10	16	6.8	0.1
Middle Plateau.							40.6	— 0.9										62	1.16	— 0.1										5.7	
Carson City	4,720	82	92	25.17	29.92	— .06	40.4	— 0.8	65	27	51	15	6	30	39	34	26	62	1.56	+ 0.2	5	6,075	sw.	37	sw.	28	10	10	11	5.3	5.2
Winnemucca	4,344	59	70	25.52	29.94	— .07	38.2	— 2.5	65	30	49	14	*	28	35	34	28	70	0.98	+ 0.1	12	6,464	ne.	52	sw.	30	8	7	16	5.9	5.3
Modena	5,479	10	38	24.55	29.95	— .01	37.6	.....	63	30	48	8	1	27	36	31	23	61	0.74	.....	7	6,836	sw.	41	sw.	5	9	12	10	5.2	3.5
Salt Lake City	4,366	105	110	25.56	29.97	— .01	42.3	+ 0.7	65	13	51	14	1	34	28	34	25	52	1.35	— 0.7	5	5,033	se.	29	nw.	18	5	9	17	6.8	9.6
Grand Junction	4,608	43	51	25.36	30.02	+ .08	41.7	— 1.1	66	31	52	7	2	31	32	35	29	63	0.73	— 0.1	8	4,192	se.	24	se.	31	7	15	9	5.4	1.5
Northern Plateau.							40.9	+ 0.4										68	1.10	— 0.5										6.2	
Baker City	3,471	53	58	26.35	29.97	— .06	36.4	+ 0.9	59	28	44	16	6	29	28	31	25	67	0.86	— 0.9	12	5,002	nw.	30	s.	11	7	6	18	6.9	3.7
Boise	2,739	61	68	27.11	29.99	— .04	43.2	— 0.7	68	30	52	18	9	34	30	37	29	60	0.83	— 1.0	10	4,571	se.	26	s.	30	8	8	15	6.5	2.9
Lewiston	757	52	61	29.16	29.99	— .04	45.0	+ 1.2	74	24	54	26	6	36	36	.....	.....	...	0.88	+ 0.1	11	2,686	e.	33	nw.	28	8	8	15	6.3	4.0
Pocatello	4,482	46	54	25.41	29.99	— .02	37.8	+ 3.5	60	29	45	9	1	30	27	33	27	68	0.86	— 1.3	12	8,338	e.	34	se.	11	7	16	8	5.7	4.9
Spokane	1,943	101	110	27.90	29.97	— .04	39.0	— 0.7	66	24	48	18	5	30	34	33	26	62	1.22	— 0.2	11	5,742	s.	36	sw.	7	9	6	16	6.4	0.5
Walla Walla	1,000	65	73	28.89	29.97	— .05	44.0	— 1.5	73	24	52	21	4	36	32	42	39	84	1.92	+ 0.1	12	4,787	s.	35	s.	10	9	15	7	5.7	6.8
N. Pac. Coast Reg.							43.0	— 2.1										75	4.76	— 0.4										6.1	
North Head	211	11	56	29.72	29.95	— .06	43.8	— 1.6	60	22	48	31	12	39	15	41	39	84	4.93	— 1.5	15	11,157	nw.	90	s.	10	10	5	16	6.4	2.3
Port Crescent	259	13	20	29.70	.....	.....	38.4	— 3.2	54	23	45	21	12	32	22	.....	.....	...	4.45	— 0.2	13	4,982	ne.	44	ne.	3	10	10	11	5.5	17.5
Seattle	123	114	151	29.85	29.97	— .02	42.5	— 2.3	66	23	50	28	13	36	30	38	33	73	6.10	+ 3.0	16	5,471	n.	34	se.	9	10	8	13	5.8	8.6
Tacoma	213	113	120	29.75	29.99	— .01	41.6	— 2.8	65	23	49	28	16	34	29	.....	.....	...	5.83	+ 1.9	15	5,534	n.	30	sw.	9	4	9	18	7.3	9.7
Tatoosh Island	86	7	57	29.83	29.92	— .04	42.4	— 1.9	56	22	47	29	12	38	13	39	36	80	4.35	— 4.8	14	13,687	e.	66	sw.	9	12	5	14	5.4	7.6
Portland, Oreg.	154	68	96	29.79	29.95	— .07	45.8	— 1.4	72	23	54	30	12	38	32	41	34	67	4.29	— 1.2	11	4,830	nw.	36	sw.	10	10	6	15	6.1	2.6
Roseburg	518	56	67	29.38	29.94	— .10	46.4	— 1.3	71	22	56	28	19	37	38	41	35	71	3.40	— 0.1	15	2,775	nw.	28	w.	28	7	8	16	6.4	0.7
Mid. Pac. Coast Reg.							51.0	— 1.4										78	5.47	+ 1.5										6.9	
Eureka	62	62	80	29.92	29.99	— .07	49.2	+ 0.5	67	27	55	34	9	43	20	45	41	76	7.42	+ 1.2	16	5,586	se.	33	nw.	8	4	11	16	6.6	
Mount Tamalpais	2,375	11	18	27.50	30.00	— .06	43.8	.....	63	22	48	31	5	39	17	40	37	82	6.77	.....	16	10,627	sw.	52	nw.	8	3	15	13	7.1	3.1
Red Bluff	332	50	56	29.63	29.99	— .05	50.0	— 4.5	70	23	58	32	9	42	31	46	42	78	4.99	+ 1.7	16	4,545	se.	31	se.	28	5	15	11	6.4	
Sacramento	69	106	117	29.92	30.00	— .03	52.2	— 2.5	69	23	59	38	18	46	23	47	43	75	4.81	+ 1.9	14	5,735	se.	38	se.	28	4	10	17	7.1	
San Francisco	155	161	167	29.86	30.04	— .02	52.2	— 1.4	64	22	57	41	16	48	17	48	45	78	6.23	+ 3.2	16	5,820	w.	33	w.	8	6	10	15	6.6	
Point Reyes Light	490	7	50	29.43	29.95	.....	51.2	+ 1.1	63	20	56	40	5	47	15	.....	.....	...	3.88	— 0.6	12	12,905	nw.	64	nw.	8	2	12	17	7.4	
S. Pac. Coast Reg.							55.5	0.0										74	3.84	+ 1.6										5.4	
Fresno	330	67	70	29.64	30.01	.00	54.8	+ 0.3	74	22	64	35	6	46	31	49	44	71	2.28	+ 1.0	15	3,529	nw.	23	s.	31	10	7	14	5.7	
Los Angeles	338	116	123	29.66	30.04	+ .02	56.2	— 0.1	75	11	65	40	6	47	30	50	44	72	6.93	+ 4.0	13	3,669	ne.	20	w.	17	9	8	14	5.8	
San Diego	87	94	102	29.92	30.02	.00	57.6	+ 1.6	72	21	64	42	18	51	25	52	47	74	1.17	— 0.4	7	4,551	nw.	31	s.	25	17	7	7	4.3	
San Luis Obispo	201	46	48	29.84	30.06	.00	53.5	— 1.7	76	21	63	35	1	44	36	48	44	77	4.98	+ 2.0	14	3,323	w.	20	s.	31	7	12	12	5.9	
West Indies.																																
Bridgetown	30	57	65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Turk	11	6	20	30.02	30.04	+ .02	77.0	.....	88	30	84	63	12	70	21	.....	.....	...	0.85	.....	12	.....	e.	.....	.....	...	24	7	0	3.5	
Havana	57	87	105	29.96	30.02	+ .01	74.2	+ 1.0	85	23	81	61	13	67	20	.....	.....	...	5.12	+ 3.3	15	8,574	e.	44	n.	15	11	16	4	4.8	
San Juan	82	48	90	29.90	30.00	— .02	75.6	.....	84	27	81	65	12	70	14	70	68	77	4.26	+ 1.9	18	8,334	e.	36	e.	23	15	16	0	3.8	

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, March, 1903.*

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Alabama.	°	°	°	*Ins.*	*Ins.*
Anniston	77	30	57.2	6.03	
Ashville	76	33	58.0	5.18	
Benton				4.97	
Bermuda	85	32	63.0	3.90	
Birmingham	79	35	60.6	5.74	
Bridgeport				7.25	
Burkeville				3.81	
Calera				6.18	
Camphill	82	33	60.0	6.08	
Citronelle	79	39	63.0	7.63	
Clanton	78	40	58.7		
Cordova	82	28	60.1	3.57	
Daphne	79	42	63.4	7.56	
Decatur	79	35	59.2	4.53	
Demopolis				4.82	
Dothan	85	42	64.2	5.72	
Eufaula	82	35	61.8	6.79	
Eutaw	85[e]	35[e]	61.0[e]	3.94	
Evergreen	82	39	63.0	4.75	
Flomaton	84	32	63.1	4.72	
Florence *a*				6.24	
Florence *b*	79	29	57.2	6.29	
Fort Deposit	83	38	60.6	4.29	
Gadsden	80	34	58.2	6.96	
Goodwater	81	32	58.6	6.87	
Greensboro	78			4.22	
Greenville				3.62	
Haleysville	78	29	57.5	4.65	
Hamilton	76[d]	27	57.3	5.99	
Helena				6.56	
Highland Home	83	35	61.5	5.29	
Letohatchie				4.30	
Livingston	79	34	59.9	3.93	
Lock No. 4	79	32	58.1	5.76	
Madison Station	77	34	58.7	4.87	
Maplegrove	78	31	56.8	8.83	
Marion	79	35	59.2	5.68	
Milstead				4.82	
Newbern	82	35	61.0	5.07	
Notasulga				4.83	
Oneonto	76	28	57.2	5.46	
Opelika	80	32	59.8	7.38	
Ozark	82	40	62.6	6.68	
Prattville	85	31	60.6	3.84	
Pushmataha	79	31	60.5	7.56	
Riverton	81	26	55.7	6.28	
Scottsboro	78	30	56.0	6.50	
Selma	80	38	60.0	4.58	
Talladega	80	31	58.8	7.04	
Tallassee				4.58	
Thomasville	80	35	60.8	7.70	
Tuscaloosa	80	33	59.0	4.51	
Tuscumbia	76	32	56.4	7.81	
Tuskegee	82	36	62.7	5.60	
Union Springs	82	38	61.6	8.35	
Uniontown	80	33	60.3	5.59	
Valleyhead	76	30	56.8	6.27	
Verbena				5.37	
Wetumpka	83	35	62.0	5.09	
Arizona.					
Agua Caliente	95	29	61.6	0.02	
Allaire Ranch				1.32	
Arizona Canal Co's Dam	84	35	59.0	0.50	
Ashfork	80	11	43.0	1.00	
Aztec	92	31	62.4	T.	
Bisbee	78	30	52.4	1.71	
Bowie	80	26	53.5	0.07	
Buckeye	88	30	56.6	0.40	
Champie Camp	91	26	58.0	0.21	
Cochise *[1]	95	28	56.4	1.05	
Congress	79	36	56.9	0.68	
Dudleyville	85	26	55.4	0.90	
Duncan	88	10	49.2	1.07	
Fort Apache	74	17	43.7	2.05	1.0
Fort Defiance	61	3	35.0	1.85	2.0
Fort Grant	77	32	54.4	2.05	
Fort Huachuca	76	31	55.4	1.47	
Jerome	70	31	50.2	0.93	
Maricopa	87	32	58.8	0.30	
Mesa	88	33	59.9	0.51	
Mesa (near)	88	30	57.5	0.59	
Mount Huachuca	79	26	53.1	2.56	
Mohawk Summit *[1]	91	50	63.8		
Natural Bridge				2.22	
Nogales	81	23	53.0	0.98	
Oracle	74	32	52.3	1.66	
Oro				1.05	
Parker	94	26	61.8	0.06	
Phoenix	89	31	58.4	0.76	
Pima	83	25	53.4	0.85	T.
Pinal Ranch				2.39	
Prescott	70	13	42.7	3.18	T.
San Simon	82	21	52.1	1.30	
Sentinel *[5]	90	50	68.1		
Showlow				2.18	2.0
Signal	90	25	57.2	0.33	
Superstition				1.11	
Taylor	73	12	44.5	0.75	
Arizona—Cont'd.					
Tonto	79	26	53.8	1.35	
Tuba	74	15	48.1	0.44	
Tucson	82	24	55.1	1.63	
Vail *[5]	82	44	63.3	0.17	
Walnut Grove				2.06	
Yarnell				1.31	
Arkansas.					
Alco	78	24	53.5	5.12	2.0
Amity	81	26	56.5	7.09	T.
Arkadelphia	80	27	57.8	5.33	
Arkansas City				5.24	
Batesville	81	24	54.2	6.04	0.2
Beebranch	78	22	54.7	5.80	2.0
Blanchard	81	30	58.4	4.44	
Brinkley	77	29	56.4	4.42	
Camden *a*				7.19	
Camden *b*		30		7.18	
Conway	80	24	55.5	5.37	1.0
Corning	79	25	51.9	4.76	
Dallas	79	22	56.4	7.12	0.5
Dardanelle				6.50	
Dodd City	78			4.45	2.5
Dutton	72[d]	14[d]	50.2[d]	6.68	2.5
Eureka Springs	78	16	50.4	3.71	
Fayetteville	77	26	50.1	4.65	T.
Forrest City	79	28	56.0	4.07	
Fulton				4.64	
Hardy	80	20	51.8	6.82	2.0
Helena *a*				5.84	
Helena *b*	81	29	58.6	6.26	
Jonesboro	80	25	55.2	5.54	
Lacrosse	77	20	51.6		1.0
Lake Village	80	32	58.8	4.71	
Lonoke	82	28	57.2	4.58	
Lutherville	77	23	52.6	4.67	2.0
Malvern	84	26	56.1	5.00	
Marianna	77	28	56.1	7.23	
Marvell	80	29	57.3	5.93	
Mossville	73	14	49.4	8.37	3.3
Mountain Home	80	25	53.2	5.12	3.0
Mount Nebo	73	18	50.4	6.12	1.0
New Gascony	80			4.60	
Newport *a*				6.17	
Newport *b*	81	28	54.6	5.12	
Newport *c*	80	26	55.0	5.51	
Oregon	78	14	49.6	4.63	2.0
Ozark	85	20	55.4	5.59	2.0
Paragould	79	26	52.3	7.03	
Perry	78	26	55.6	6.13	1.5
Pinebluff	80	30	55.3	4.98	
Pocahontas	80	22	52.6	5.83	T.
Pond	78	11	49.6	3.29	0.5
Prescott	80	31	59.7	5.28	
Princeton	82	27	57.0	5.02	
Rison	80	26	54.8		
Rosadale	81	26	57.4	6.63	T.
Russellville	78	24	55.2	4.06	T.
Silversprings	77	15	50.6	3.39	0.5
Spielerville	81	22	55.2	4.37	1.0
Stuttgart	80	28	57.1	6.24	
Texarkana	82	29	58.4		
Warren	80	29	56.8	5.51	
Washington	80	28	57.8	8.10	
Wiggs	80	24	55.4	6.02	
Winchester	80	31	56.6	5.29	
Winslow	76	14	49.8	7.30	3.0
Witts Springs	74	17	50.7	5.70	
California.					
Angiola	78	28	53.4	0.90	
Azusa	81	37	58.0	9.00	
Bagdad	86	33	62.0	2.20	
Bakersfield	80	30	54.8	0.82	
Ballast Point L. H				1.20	
Barstow	82	21	51.6	1.00	
Berkeley	65	36	50.8	7.81	
Bishop	74	16	44.5	0.35	
Boca *[1]	56	— 2	31.6	0.90	9.0
Bodie	47	—21	21.0	0.78	8.0
Bowman	62	6	34.6	17.32	88.5
Branscomb	68	25	44.3	9.53	3.5
Caliente *[1]	69	36	49.4	1.92	
Campbell	70	32	51.4	6.22	
Campo				2.30	
Cape Mendocino L. H				7.30	
Cedarville	63	9	37.8	1.05	11.0
Chico	76	28	51.0	6.23	
Cisco *[1]	42	12	30.8	10.60	76.0
Claremont	83	28	52.9	8.59	
Cloverdale	72	30	50.0	7.05	
Colusa	70	34	51.0	4.91	
Corning *[1]	75	36	50.6	5.23	
Coronado	77	44	59.4	1.25	
Crescent City	67	32	47.9	10.06	
Crescent City L. H				9.95	
Cuyamaca	61	21	39.2	6.13	
Delano *[1]	75	42	56.9	1.38	
Delta *[1]	79	28	45.0	14.74	3.6
Drytown	70	30	51.1	9.03	
California—Cont'd.					
Dunnigan *[1]	73	36	53.2	5.00	
Durham *[5]	71	33	51.3	6.19	
East Brother L. H				7.15	
Elcajon	81	34	55.6	1.33	
Elmdale	72	31	53.1	4.91	
Elsinore	83	28	54.2	6.55	
Escondido	79	25	54.0	2.78	
Fallbrook	76	34	55.0	5.19	
Folsom *[1]	75	37	53.6	9.27	
Fordyce Dam				18.37	106.0
Fort Bragg				5.37	
Fort Ross	65	32	50.0	12.87	
Foster				4.11	
Georgetown	66	25	44.6	16.60	14.0
Gilroy (near)	73	29	52.0	5.56	
Glendora				11.57	
Greenville	67	15	40.9	7.36	14.0
Hanford	77	30	54.2	1.71	
Healdsburg	72	30	50.1	7.60	
Hollister	71	30	52.5	4.30	
Humboldt L. H				8.85	
Idylwild	67	19	38.7	6.76	T.
Imperial	104	38	69.2	0.03	
Indio *[1]	90	45	64.9		
Iowa Hill *[1]	67	30	45.3	12.00	4.8
Irvine	78	36	57.6	4.98	
Jackson	68	31	48.1	11.84	T.
Jamestown	71	27	49.4	10.77	
Jolon				5.45	
Kennedy Gold Mine	64	25	44.7	16.72	
Kent	68	31	50.0	12.39	
Lakeport (near)	66	34	47.8	4.20	
Lamesa				2.10	
Laporte *[1]	58	15	34.0	16.71	69.5
Legrand	73	33	53.5	4.51	
Lemoncove	78	36	56.2	4.04	
Lick Observatory	55	26	39.8	9.89	
Lime Point L. H				5.21	
Livermore	75	31	52.9	5.65	
Lodi	72	32	52.4	10.31	
Los Gatos	68	35	51.0	10.17	
Lowe Observatory				12.90	
Manzana	77	26	50.4	3.02	
Mare Island L. H				5.27	
Merced	75	25	52.0	6.41	
Mercury	72	32	53.7	8.79	
Mills College				6.68	
Milo				5.08	
Milton (near)	69	36	52.7	8.08	
Modesto *[1]	76	38	57.2	5.16	
Mohave *[1]	75	25	49.0	0.35	
Mokelumne Hill				10.50	
Montague	72	18	42.6	1.81	
Monterio	74	28	48.5	3.08	
Monterey *[1]	67	33	55.0	5.98	
Mount St. Helena				10.61	4.0
Napa	72	35	51.1	4.99	
Needles	88	39	64.7	0.65	
Nevada City	68	24	43.2	13.80	9.5
Newcastle	75	35	51.6	10.00	
Newman	72	30	52.4	4.31	
Niles	72	36	52.8	5.82	
North Bloomfield	68	21	42.2	15.04	27.0
North San Juan	76	28	49.0	13.70	1.2
Oakland	70	38	53.2	7.42	
Ontario	78	33	55.3	7.24	
Orland	72	33	49.7	4.20	
Palermo	74	30	50.8	6.55	
Paso Robles	70	24	48.6	4.16	
Peachland	68	34	51.0	9.98	
Piedras Blancas L. H				7.16	
Pigeon Point L. H				5.85	
Pilot Creek				19.39	62.0
Pine Crest	70	35	53.4	6.83	
Placerville	66	26	46.2	11.85	
Point Ano Nuevo L. H				7.94	
Point Arena L. H				6.59	
Point Bonita L. H				6.74	
Point Conception L. H				5.31	
Point Fermin L. H				3.13	
Point George L. H				4.11	
Point Hueneme L. H				5.55	
Point Lobos	65	41	51.8	5.72	
Point Loma L. H				0.29	
Point Montara L. H				7.45	
Point Pinos L. H				6.56	
Point Sur L. H				4.34	
Porterville	78	31	54.7	1.85	
Poway				2.96	
Quincy	60	18	40.8	7.45	17.0
Redding	71	31	49.6	9.60	
Redlands	86	35	54.5	5.86	
Reedley	76	32	55.8	2.58	
Represa	80	36	54.6	8.13	
Riovista	70	32	51.8	4.35	
Riverside	80	25	54.0	5.22	
Roe Island L. H				4.74	
Rohnerville				7.21	

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.*
California—Cont'd.					
Rosewood	72	27	47.8	4.83	T.
Sacramento	72	33	52.8	5.78	
Salinas	77	32	53.8	3.02	
Salton *[1]	97	39	66.0	0.27	
San Bernardino	81	26	54.6	6.47	
San Jacinto	78	30	53.1	4.54	
San Jose	76	34	54.0	4.99	
San Leandro	71	34	52.6	6.61	
San Luis L. H				5.90	
San Mateo *[1]	73	40	53.2	6.83	
San Miguel *[1]	74	31	51.7	2.96	
San Miguel Island	65	41	53.0	3.99	
Santa Barbara	72	38	54.6	6.12	
Santa Barbara L. H				4.76	
Santa Clara				4.52	
Santa Clara College	74	32	52.7	5.74	
Santa Cruz	73	31	51.2	11.06	
Santa Cruz L. H				9.61	
Santa Maria	76	34	55.3	3.97	
Santa Monica	70	35	52.6	6.55	
Santa Paula	80	35	55.5	6.14	
Santa Rosa	70	29	49.1	6.49	
Shasta	75	30	49.7	14.03	
Sierra Madre	75	35	54.5	9.24	
Sisson	69	11	39.2	8.57	14.0
Snedden				3.45	
Sonoma				5.49	
S. E. Farallone L. H				3.26	
Stockton	67	33	51.4	7.29	
Storey	72	30	51.4	2.49	
Summerdale	60	14	37.6	11.83	43.0
Susanville	61	10	37.1	2.45	14.0
Tehama *[1]	70	36	53.0	6.34	
Tejon Ranch	76	37	53.8	1.86	
Trimmer				6.71	
Trinidad L. H				8.09	
Truckee *[1]	58	12	31.8	4.15	4.0
Tulare *b*				1.92	
Tulare *c*	80	32	55.4	1.88	
Tustin	74	44	60.9	5.73	
Ukiah	73	27	48.7	5.20	
Upland	74	32	52.2	9.45	
Upperlake	72	26	46.5	4.90	
Upper Mattole *[1]	76	31	49.2	15.65	
Vacaville *[1]	71	35	51.6	6.26	
Ventura	75	38	56.4	5.25	
Visalia	76	23	52.6	2.17	
Volcano Springs *[1]	93	45	73.1	0.00	
Wasco	77	30	53.8	0.60	
Westley	74	39	52.1	5.10	
West Saticoy				2.75	
Wheatland	69	31	50.4	6.81	
Williams *[1]	71	39	55.4	3.62	
Willits	68	30	46.8	7.56	
Willow	70	32	50.1	5.76	
Yerba Buena L. H				5.80	
Yuba City *[5]	72	35	54.2	5.87	
Zenia	68	24	43.8	9.62	3.0
Colorado.					
Alford	64	— 3	32.4	0.76	10.8
Ashcroft	53	—16	24.2	0.85	12.0
Blaine	81	—10	40.6	0.23	2.2
Boulder	68	7	37.1	1.45	13.5
Boxelder				0.90	6.0
Buenavista				0.05	1.0
Canyon	74	1	40.4	0.36	3.0
Castlerock	70	— 2	36.4	0.70	7.8
Cedaredge	67	— 2	39.0	1.67	5.0
Cheesman	64	—15	33.7	0.40	4.5
Cheyenne Wells	72	— 2	36.2	0.23	3.0
Clearview	56	—18	28.9	0.83	13.5
Colorado Springs	66	— 2	36.7	0.37	4.0
Collbran	61	—10	35.0	1.32	5.0
Durango	61	4	37.0	3.90	14.0
Fort Collins	66	—10	30.6	1.03	8.0
Fort Morgan	72	— 3	35.0	0.27	3.0
Fox	74	— 2	36.1	0.10	2.0
Fruita	67	— 3	39.4	1.27	8.8
Garnett	58	—19	29.9	0.23	
Gilman				1.35	19.5
Gleneyre	71	—11	35.8	0.44	4.0
Glenwood	60	— 7	34.0	0.48	
Greeley	69	2	34.4	0.47	7.0
Gunnison	55	—29	23.6	0.90	6.7
Hamps	71	— 1	35.8	0.21	3.0
Hoehne	74	—17	39.0	0.12	0.5
Holyoke (near)	75	— 3	34.2	0.05	1.0
Husted	68	— 9	34.4	0.43	5.7
Lake Moraine	50	—16	25.8	1.46	14.5
Lamar	80	—13	40.4	0.20	2.0
Laporte				1.32	14.5
Las Animas	76	— 8	40.4	0.35	
Lay	56	—26	26.7	1.61	16.0
Leadville (near)				0.78	10.0
Leroy	69	0	34.0	0.26	2.0
Longs Peak	53	— 8	26.7	1.85	21.0
Mancos	59	— 3	34.4	2.96	26.8
Marshall Pass				0.90	14.0
Colorado—Cont'd.					
Meeker	58	—24	31.4	0.80	7.0
Montrose				1.20	10.0
Moraine	57	—11	30.9	1.06	13.0
Pagoda		—15		0.82	8.0
Parachute	64	1	38.8	0.79	7.0
Platte Canon				0.74	12.0
Rangely	61	—14	31.5	1.25	15.8
Rockyford	77	— 2	41.2	0.18	2.0
Rogers Mesa	63	— 5	37.2	1.26	2.2
Ruby				7.70	77.0
Russell	55	—22	26.1	1.40	10.0
Saguache	62	— 5	34.0	0.24	1.0
Salida	62	—18	36.2	0.57	1.0
San Luis	56	—27	31.0	0.50	4.0
Santa Clara	65	— 9	34.8	0.54	6.5
Sugarloaf	60	— 3	32.6	1.79	20.0
Telluride	54	—13	28.8	8.61	86.2
Trinidad	72	— 6	41.6	1.14	0.5
Twinlakes				0.37	4.0
Vilas				T.	T.
Wagon Wheel	50	—35	21.8	0.52	9.0
Wallet				0.50	5.0
Waterdale	62	— 3	32.3	0.93	7.0
Westcliffe	59	—14	31.4	2.03	29.0
Whitepine	44	—20	20.6	1.96	27.5
Wray	76	— 2	37.9	0.16	1.0
Yuma				0.20	
Connecticut.					
Bridgeport	68	20	45.4	6.07	
Canton	72	13	42.1	5.31	T.
Colchester	72	—19	45.1	7.93	T.
Falls Village				4.48	T.
Gaylordsville				5.04	
Hartford	71	21	44.5	6.87	T.
Hawleyville	70	19	45.5	5.16	
New London	67	22	43.6	4.39	0.2
North Grosvenor Dale	77	18	43.1	8.14	
Norwalk	67	16	44.4	5.83	
Southington	72	19	45.2	6.60	
South Manchester				6.13	
Storrs	70	16	43.1	7.09	
Voluntown	73	13	44.1	7.69	
Wallingford				6.50	
Waterbury	75	17	46.3	6.45	
West Cornwall	71	18	44.6	4.94	0.2
West Simsbury				5.13	
Delaware.					
Delaware City				4.62	
Milford	79	24	50.2	8.21	
Millsboro	74	23	50.6	8.06	
Newark	72	24	47.7	3.94	
Seaford	76	25	51.1	5.67	
District of Columbia.					
Distributing Reservoir *[5]	70	32	51.0	6.01	
Receiving Reservoir *[5]	68	28	50.6	6.02	
West Washington	76	22	50.6	6.69	
Florida.					
Archer	85	46	68.6	5.69	
Avon Park	85	55	71.4	5.85	
Bartow	90	54	74.2	6.42	
Bonifay	83	37	65.0	4.90	
Brooksville[f]	88	49	71.0	6.03	
Carrabelle	78	44	65.6	1.16	
Clermont	90	53	72.0	4.83	
De Funiak Springs	84	37	64.6	7.04	
Deland	86	48	69.4		
Eustis	88	48	71.2	4.29	
Federal Point	86	51	68.4	3.53	
Fernandina	88	47	65.4	3.54	
Flamingo	84	57	73.7	4.20	
Fort George *[1]	76	52	65.6		
Fort Meade	89	48	71.0	8.61	
Fort Myers	82	58	71.3	7.78	
Fort Pierce	82	54	72.2	7.53	
Gainesville	86	48	69.0	6.68	
Grasmere	86	48	69.8		
Holt	81	35	63.6	4.55	
Huntington	89	50	70.0	4.98	
Hypoluxo	85	55	74.1	6.69	
Inverness	84[e]	48[e]	68.8[e]	5.72	
Jasper	80	44	67.0	3.23	
Johnstown	85[e]	45[e]	67.6[e]	1.90	
Kissimmee	85	52	70.2	5.84	
Lake City	84	44	68.0	3.28	
Macclenny	89	44	67.6	4.43	
Malabar	86	55	72.2	6.10	
Manatee	89	57	71.9	4.26	
Marco	87	54	74.4	7.80	
Marianna	83	41	65.0	4.63	
Merritt Island	82	58	71.2	5.39	
Miami	86	59	75.2	3.82	
Micanopy	90	49	69.4	4.21	
Middleburg	90	46	67.5	4.12	
Molino	84	35	64.1	7 66	
New Smyrna	83	54	67.4	5.78	
Nocatee	88	53	71.6	5.24	
Ocala	89	45	69.8	8.50	
Orange City	91	45	71.1	5.92	
Florida—Cont'd.					
Orlando	89	52	71.6	8.37	
Pinemount	85	42	67.3	5.06	
Plant City	88	50	71.6	6.61	
Quincy	80	41	64.3	5.93	
Rockwell	86	45	69.2	8.36	
St. Andrews	83	38	65.6	2.63	
St. Augustine	84	50	66.8	3.23	
St. Leo	86	49	70.6	7.59	
Stephensville	89	39	67.4	3.93	
Sumner	87	41	68.8	4.86	
Switzerland	85	47	67.6	4.06	
Tallahassee	79	44	66.0	5.21	
Tarpon Springs	91	49	71.6	6.65	
Titusville	83	50	69.4	6.68	
Waukeenah	86	40	65.9	5.09	
Wausau	86	36	66.0	5.53	
Wewahitchka	82	45	65.8	4.28	
Georgia.					
Adairsville	76	32	57.4	11.39	
Albany	82	41	60.9	3.81	
Alpharetta	76	27	57.4	9.07	T.
Americus	80	38	61.7	5.16	
Athens	73	32	57.8	9.33	
Bainbridge	79	39	63.4	4.85	
Blakely				5.54	
Bowersville	79	30	56.8	6.70	
Brent	80	31	57.4	6.00	
Butler				4.84	
Camak	79	38[f]	61.6[c]	6.64	
Canton				5.00	
Carlton				7.69	
Clayton	71	25	54.3	14.81	
Columbus	82	38	63.7	5.84	
Coney	83	36	63.4	3.54	
Covington	79	30	58.6	6.66	
Dahlonega	72	28	54.8	9.95	
Dawson	83	38	63.6	3.90	
Diamond	77	27	56.0	10.83	
Douglas	84	38	65.4	7.07	
Dublin				7.77	
Dudley	82	37	62.7	7.99	
Eastman		38		6.49	
Eatonton	78	33	59.2	5.80	
Elberton	75	32	58.3	6.26	
Experiment	76	31	58.0	7.52	
Fitzgerald	87	39	64.4	5.18	
Fleming	84	37[e]	63.8	5.67	
Fort Gaines	81	39	62.3	6.86	
Gainesville	71	31	55.4	12.17	
Gillsville	75	28	57.7	9.58	
Greensboro	79	30	59.2	4.81	
Griffin	78	31	58.3	8.12	
Harrison	83	35	62.2	6.28	
Hawkinsville	84	36	62.6	6.43	
Hephzibah	80	34	61.6		
Jesup	88	41	65.4	5.03	
Lost Mountain	75	29	57.6	8.49	
Louisville	85	37	62.6	6.11	
Lumpkin	83	36	62.2	5.66	
Marshallville	80[e]	34	61.6	4.37	
Mauzy	84	40	66.0	5.90	
Milledgeville	79	34	60.6	5.98	
Millen				3.43	
Monticello	78	31	59.7	6.56	
Morgan	82			3.44	
Naylor	82	42	66.0	5.00	
Newnan	78	30	56.6	8.02	
Oakdale				6.87	
Point Peter	78	26	58.4	6.99	
Poulan	85	35	64.1	3.44	
Putnam	84	37	61.8	4.07	
Quitman	84	41	65.7	6.46	
Ramsey	75	27	57.8	7.42	
Resaca				7.84	
Rome	79	32	57.8	10.52	
St. Marys	82	45	65.6	3.37	
Statesboro[k]	82	39	60.6		
Stillmore	83	34	61.5	6.51	
Talbotton	81	33	60.0	7.35	
Tallapoosa	77	27	56.4	5.95	
Thomasville	80	40	65.8	5.60	
Toccoa	73	29	56.0	12.11	
Valona	84	44	65.2	4.88	
Vidalia	83	39	63.9	6.94	
Washington				5.17	
Waverly	86	44	67.0	4.88	
Waycross	83	44	67.8	4.11	
Waynesboro	80	40	61.1	4.70	
Westpoint	82	33	60.0	7.74	
Woodbury	79	31	58.4	6.25	
Idaho.					
Albion	61	0	36.8	1.10	5.0
American Falls	64	— 3	36.8	1.13	
Blackfoot	66	— 3	36.3	0.52	0.6
Blue Lakes	73	8	42.7	1.72	1.0
Burnside	46	—10	26.2	2.00	13.0
Cambridge	60	— 4	32.6	2.46	8.3
Chesterfield	52	—27	26.0	0.48	2.0

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	Ins.	Ins.
Idaho—Cont'd.					
Dickey	48	−15	25.5	0.80	8.0
Forney	66	− 6	32.6	1.19	8.0
Garnet	79	21	45.6	0.86	4.0
Grangeville	64	14	36.8	4.29	24.1
Idaho City[1]	58	8	37.5	0.81	2.0
Lake	48	−18	25.4	2.40	24.0
Lakeview	63	15	37.2	2.82	5.0
Lost River	53	−10	26.2	1.02	8.0
Moscow	60	19	34.8	1.77	4.1
Murray	59	10	34.2	2.41	13.0
Oakley	63	7	37.0	2.00	3.0
Ola	64	3	38.2	2.38	9.5
Paris	48	.....	.....	1.70	17.0
Payette	68	18	42.8	0.88	8.0
Pollock	69	21	42.6	1.82	10.0
Porthill	57	7	33.1	2.66	8.5
Priest River	62	7	34.3	2.79	10.5
Riddle	60	− 8	31.0	2.50	24.0
Roosevelt	50	− 3	25.8	3.60	31.0
St. Maries	69	17	38.4	2.09	11.0
Silver City	54	7	31.2	2.13	14.0
Soldier	47	−22	24.6	1.80	17.0
Vernon	60	−11	29.6	1.53	5.8
Weston	64	−12	34.2	0.87	.....
Illinois.					
Albion	77	20	49.4	4.26	.....
Aledo	77	12	43.4	1.86	0.8
Alexander	77	21	46.1	2.67	0.8
Antioch	75	12	40.4	2.60	1.0
Ashton	75	10	40.4	3.14	2.2
Astoria	78	24	44.6	2.81	2.0
Aurora	76	12	41.2	3.94	2.1
Beardstown	.....	.....	.....	3.41	T.
Benton	80	20	51.2	4.01	T.
Bloomington	80	13	45.5	3.24	1.5
Cambridge	76	12	41.5	2.34	2.0
Carlinville	77	16	47.1	2.18	1.0
Carrollton	76	17	47.0	3.11	
Centralia	80	19	49.8	3.45	T.
Charleston	78	18	47.6	1.77	0.5
Chester	.....	.....	.....	4.33	
Chicago Heights	.....	.....	.....	2.34	.....
Cisne	80	20	50.0	3.34	T.
Coatsburg	78	13	45.2	2.54	T.
Cobden	77	20	50.5	5.87	T.
Danville	80[d]	17[d]	46.6[d]	2.22	T.
Decatur	78	15	45.9	2.48	1.0
Dixon	78	12[g]	39.8[c]	3.07	1.7
Dwight	79	13	42.5	2.50	1.0
Effingham	78	19	49.2	3.50	1.0
Equality	79	21	53.1	7.27	0.3
Fandon	77	14	45.3	2.42	0.2
Flora	75	19	47.9	3.57	1.0
Friendgrove	75	20	49.2	4.76	0.3
Galva	75	12	41.4	2.72	1.0
Grafton	.....	.....	.....	3.44	
Greenville	79	17	47.7	3.34	1.0
Griggsville	80	15	47.0	3.20	
Halfway	80	20	50.4	4.03	
Halliday	78	21	50.2	3.98	
Henry	78	13	44.4	3.84	1.5
Hillsboro	78	17	47.4	2.22	1.0
Hoopeston	77	14	44.8	0.64	1.0
Joliet	76	13	40.9	2.22	2.0
Kishwaukee	76	9	40.0	3.84	1.5
Knoxville	76	10	42.5	2.95	1.1
Lagrange	77	13	40.4	2.51	T.
Laharpe	78	15	44.2	1.92	T.
Lanark	72	20	40.5	2.94	1.2
La Salle	75	6	45.0	2.94	.....
Loami	.....	.....	.....	1.31	T.
McLeansboro	79	21	50.4	3.72	
Martinsville	77	30[f]	53.6[e]	.....	.....
Martinton	77	14	43.8	1.28	T.
Mascoutah	76	20	46.4	2.34	1.0
Mattoon	78	18	49.6	2.01	T.
Minonk	76	13	43.0	2.80	1.0
Monmouth	78	10	42.9	2.11	0.5
Monticello	79	23	47.9	0.95	T.
Morrison	75	12	41.6	2.41	2.0
Morrisonville	77	16	46.7	2.35	0.2
Mount Carmel	.....	.....	.....	4.44	1.0
Mount Pulaski	79	15	46.0	1.42	1.0
Mount Vernon	78	19	49.7	3.15	0.4
New Burnside	80	24	53.4	6.21	T.
Olney	77	19	48.8	3.66	2.1
Ottawa	78	15	44.8	3.10	0.8
Palestine	76	20	47.4	4.47	T.
Pana	78	12	44.6	2.84	0.5
Paris	76	19	46.8	2.73	
Peoria *a*	.....	.....	.....	4.48	T.
Peoria *b*	79	16	46.7	3.66	
Philo	75	17	45.2	1.45	
Plumhill	77	19	48.6	2.98	0.5
Pontiac	76	15	44.6	2.54	0.5
Rantoul	77	14	45.0	1.40	0.4
Raum	78	20	50.9	5.90	T.
Riley	74	10	40.0	3.47	1.5
Illinois—Cont'd.					
Robinson	76	18	47.1	3.81	0.5
Rushville	77	10	45.6	2.45	T.
St. Charles	77	12	41.4	5.17	2.0
St. John	77	20	49.6	3.22	T.
Shobonier	78	18	48.0	3.47	T.
Streator	78	13	43.2	3.79	1.0
Sullivan	78	16	46.6	2.07	
Sycamore	79	11	41.9	3.10	T.
Tilden	78	19	49.0	3.06	0.5
Tiskilwa	75	12	42.0	2.71	0.1
Tuscola	78	16	45.9	1.71	T.
Urbana	76	15	44.2	1.43	0.5
Walnut	78	14	43.8	2.65	0.4
Winchester	77	18	46.2	4.45	
Winnebago	75	10	40.8	3.51	1.5
Yorkville	75	12	41.0	3.23	0.1
Zion	75	10	40.0	2.40	3.0
Indiana.					
Anderson	75	19	46.4	1.93	T.
Angola	76	16	42.1	1.81	1.1
Auburn	76[d]	17[d]	43.8[d]	1.08	
Avoca	81	15	48.4	4.32	0.5
Bloomington	76	20	48.2	4.75	T.
Bluffton	78	19	44.8	2.06	
Butlerville	76	22	48.4	5.03	T.
Cambridge City	78	20	44.6	2.86	1.0
Columbus	78	22	49.0	3.47	1.0
Connersville	78	21	46.4	4.32	
Crawfordsville	79	17	48.2	3.30	
Delphi	79	12	45.0	1.42	0.5
Edwardsville *[1]	76	27	52.2	4.07	
Elkhart	77	16	43.6	1.18	
Farmland	76	22	45.8	2.24	1.0
Fort Wayne	75	19	44.4	2.29	T.
Franklin*[1]	78	23	48.4	3.10	0.5
Greencastle	75	17	46.5	2.17	0.6
Greensburg	77	21	47.0	4.53	T.
Hammond	76	23	41.0	1.42	
Hector	77	18	44.2	1.77	T.
Holland	80	22	50.8	4.08	0.5
Huntington	76	18	44.1	1.85	1.0
Jeffersonville	77	25	50.8	3.54	
Kokomo	78	18	44.6	1.35	0.1
Lafayette	76	16	46.4	1.53	T.
Laporte	.....	.....	.....	1.71	0.5
Logansport	80	18	45.2	1.20	
Madison *a*	80	23	51.0	4.58	T.
Madison *b*	.....	.....	.....	4.20	.....
Marengo	79	21	50.2	4.69	0.2
Marion	79	19	45.6	1.97	1.0
Markle	77	18	44.2	1.70	T.
Mauzy	76	20	46.2	3.29	1.0
Moores Hill	75	21	48.9	4.50	
Mount Vernon	78	24	49.4	4.47	T.
Northfield	75	16	44.6	1.77	T.
Paoli	79	21	49.6	3.95	1.0
Prairie Creek	75[c]	19	48.3	5.04	
Princeton	78	22	49.0	4.40	2.5
Rensselaer	75	15	44.5	1.30	T.
Richmond	79	21	47.6	3.06	T.
Rockville	76	17	47.4	2.24	T.
Salem	80	20	49.0	4.59	1.5
Scottsburg	78	24	50.2	6.71	T.
Seymour	77	23	49.2	4.00	0.5
South Bend	76	15	42.5	1.86	1.5
Syracuse	77	14	43.6	1.69	1.5
Terre Haute	75	20	46.4	2.72	T.
Topeka	75	22	44.8	1.92	
Valparaiso	77	15	41.6	1.82	
Veedersburg	76[d]	12[d]	48.0[d]	0.87	
Vevay	77	23	50.6	3.85	
Vincennes	79	21	49.6	4.49	1.0
Washington	78	22	47.1	4.65	1.0
Winamac	78	23	45.2	1.15	
Worthington	78	21	49.1	4.38	2.0
Indian Territory.					
Ardmore	82	21	52.8	2.41	2.7
Chickasha	81	18	49.7	2.97	
Durant	79	23	54.8	3.17	0.7
Fairland	78	18	50.2	2.63	T.
Goodwater	80	25	57.0	6.01	
Hartshorne[k]	82	20	55.2	4.71	
Healdton	78	20	51.2	2.08	1.0
Holdenville	78	20	53.2	2.79	
Marlow	80	20	49.8	1.42	
Muskogee	78	19	52.1	4.74	1.0
Ravia	78	23	53.2	2.21	0.7
South McAlester	.....	.....	.....	5.10	0.3
Tahlequah	83	18	52.8	4.24	2.2
Tulsa	.....	.....	.....	2.49	
Wagoner	80	25	49.8	2.72	
Webbers Falls	.....	.....	.....	5.32	
Iowa.					
Afton	74	12	40.0	0.78	4.0
Albia	76	13	42.6	1.87	
Algona	67	11	36.6	0.60	1.5
Allerton	75	13	41.9	1.85	2.0
Alta	65	9	35.4	0.80	0.7
Iowa—Cont'd.					
Amana	73	11	40.7	1.44	2.0
Ames	73	13	38.4	0.61	2.4
Atlantic	73	13	38.8	1.11	3.5
Audubon	71	11	37.6	0.47	2.0
Baxter	78	6	39.4	0.90	9.0
Bedford	74	10	40.1	0.83	4.2
Belleplaine	76	11	39.2	2.10	11.8
Bonaparte	78	13	43.2	2.23	T.
Britt	71	13	36.0	0.73	1.1
Buckingham	.....	.....	.....	1.08	4.8
Burlington	79	13	44.8	2.32	.....
Carroll	71	11	38.5	0.70	1.0
Cedar Rapids	78	15	42.6	0.65	3.0
Chariton	75	13	41.3	0.86	4.8
Charles City	71	11	38.2	1.65	6.8
Clarinda	76	13	40.7	0.99	5.0
Clearlake	68	6	36.2	0.50	1.5
Clinton	78	14	41.1	2.36	2.0
College Springs	75	14	40.5	1.07	4.0
Columbus Junction	78	10	41.6	2.40	1.0
Corning	71	7	38.8	1.34	8.0
Corydon	75	12	41.9	1.97	5.0
Council Bluffs	76	7	36.3	0.50	2.6
Cumberland	.....	.....	.....	1.10	5.0
Danville	.....	.....	.....	1.55	.....
Decorah	70	7	37.1	1.58	6.5
Delaware	71	7	38.8	1.74	2.5
Denison	71	13	38.5	0.15	T.
Desoto	74	15	38.6	0.74	5.0
Dows	72	10	37.8	0.95	3.8
Earlham	74	12	39.6	1.05	6.5
Eldon	73	19	44.1	0.71	0.5
Elkader	76	10	39.4	2.07	8.0
Estherville	66	9	34.2	0.67	0.4
Fayette	72	7	36.5	1.70	5.0
Forest City	69	7	33.6	0.73	T.
Fort Madison	.....	.....	.....	2.25	.....
Galva	64	13	52.4	0.16	0.5
Gilman	.....	.....	.....	1.37	5.0
Grand Meadow	75	7	36.8	2.05	9.5
Greene	70	9	37.2	1.59	7.0
Greenfield	72	10	38.6	1.03	4.6
Grinnell	74	12	40.0	1.21	2.8
Grundy Center	72	9	38.5	1.91	11.5
Guthrie Center	73	13	38.8	0.95	4.5
Hampton	72	10	37.6	1.33	3.2
Hanlontown	70	9	36.0	0.73	0.5
Harlan	73	10	37.8	0.83	2.6
Hopeville	78[j]	16[k]	42.3[j]	1.14	.....
Humboldt	72	10	37.4	0.85	.....
Idagrove	67	10	38.4	1.96	0.6
Independence	72	10	37.4	0.80	4.6
Indianola	75	19	41.3	1.21	8.0
Iowa City	79	11	41.9	1.86	0.5
Iowa Falls	72	10	36.8	1.35	6.5
Jefferson	.....	.....	.....	1.40	3.5
Keosauqua	79	14	43.8	3.00	T.
Lacona	.....	.....	.....	2.49	7.0
Larchwood	70	8	34.6	2.11	T.
Larrabee	64	9	34.8	1.02	0.6
Leclaire	.....	.....	.....	2.61	0.2
Lemars	65	9	35.5	3.90	T.
Lenox	73	10	39.4	0.79	4.5
Leon	74	14	41.8	1.86	6.0
Logan	74	13	38.2	0.28	1.0
Maple Valley	.....	.....	.....	0.98	0.5
Maquoketa	76	11	41.0	1.83	.....
Marshalltown	74	12	40.4	1.55	8.5
Mason City	74	12	39.4	1.07	4.5
Mountayr	74	12	40.1	1.38	7.0
Mount Pleasant	82	10	44.1	1.15	T.
Mount Vernon	73	8	40.5	1.66	2.7
New Hampton	70	7	35.8	1.68	10.0
Northwood	66	9	36.3	0.95	3.0
Odebolt	77	11	38.9	0.54	0.5
Ogden	73	9	38.2	1.09	4.0
Olin	73	10	39.8	3.52	2.0
Onawa	69	13	38.4	1.08	2.0
Osage	67	8	36.0	2.02	6.5
Osceola	75	18	40.2	1.41	.....
Oskaloosa	73	12	41.2	0.90	3.5
Ottumwa	76	17	43.4	0.95	.....
Pacific Junction	73	13	39.4	0.58	2.3
Perry	72	14	39.3	0.80	3.0
Plover	68	8	35.9	0.50	1.0
Primghar	62	12	34.4	1.15	.....
Redoak	70	17	40.6	0.88	4.2
Ridgeway	70	7	38.1	2.81	10.0
Rockwell City	72	12	37.7	0.40	1.0
Ruthven	68	9	37.0	0.15	1.5
Sac City	69	10	36.8	0.57	1.0
St. Charles	74	14	41.0	1.92	7.7
Scranton	71	14	38.7	0.55	0.5
Sheldon	65	9	34.2	2.23	0.2
Sibley	63	10	30.8	2.52	0.2
Sigourney	78	11	42.6	1.35	1.0
Sioux Center	63	8	33.2	2.68	2.0
Stockport	.....	.....	.....	1.91	0.2

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	Ins.	Ins.
Iowa—Cont'd.					
Storm Lake	61	9	36.0	0.64	T.
Thurman	70	12	39.6	1.23	4.0
Tipton	75	11	41.6	1.57	2.0
Toledo	74	12	40.0	1.07	4.0
Vinton *[1]	72[c]	15	39.4	1.27	5.0
Wapello	75	17	42.6	1.38	0.5
Washington	77	9	40.6	2.25	.....
Washta	.....	.....	.....	0.90	.....
Waterloo	75	11	38.2	1.60	12.0
Waukee	.....	.....	.....	0.84	5.0
Waverly	73	9	37.3	1.59	8.5
Westbend	69	10	36.6	0.92	1.0
Westbranch	.....	.....	.....	1.99	0.8
Whitten	72	9	38.2	1.77	12.0
Wilton Junction	77	10	42.6	2.91	4.0
Winterset	74	20	42.9	0.66	.....
Woodburn	.....	.....	.....	1.19	8.5
Kansas.					
Achilles	75	— 6	37.2	0.77	6.4
Alton	78	— 6	41.2	0.59	T.
Anthony	.....	.....	.....	0.86	
Atchison	76	15	44.4	1.09	2.5
Baker	76	7	39.4	1.68	5.0
Beloit	76	1	41.6	0.33	.....
Burlington	78	13	46.0	2.03	1.0
Chanute	78	15	49.0	2.94	0.5
Clay Center	76	10	42.5	1.63	6.5
Colby	74	— 4	36.6	0.71	3.3
Columbus	78	14	47.9	5.87	0.1
Cottonwood	78	11	45.2	1.25	T.
Delphos	77	5	42.0	2.38	7.5
Dresden	73	— 8	37.5	0.62	3.0
Ellinwood	77	— 3	42.9	0.63	2.0
Emporia	77	17	45.8	1.91	0.7
Englewood	86	— 8	44.7	0.29	T.
Eureka	.....	.....	.....	2.26	T.
Eureka Ranch	78	— 6	39.8	0.57	1.5
Fall River	76	14	46.5	2.41	T.
Farnsworth	78	— 6	39.2	0.42	1.2
Forsha	76	4	44.6	1.10	
Fort Leavenworth	76	16	42.6	1.15	4.0
Fort Scott	78	15	48.2	4.77	T.
Frankfort	78	9	42.1	2.36	5.5
Fredonia	77	9	47.2	2.30	T.
Garden City	80	—10	40.1	0.70	2.0
Gove *[1]	73	1	36.9	0.21	0.8
Hanover	74	10[c]	41.4	0.60	3.0
Harrison	75	— 6	39.3	1.60	1.0
Holton	78	9	44.2	0.80	T.
Hoxie	76	— 2	36.9	0.45	3.0
Hutchinson	78	2	43.0	0.90	T.
Independence	78	15	48.2	4.95	T.
Jetmore	.....	.....	.....	0.80	T.
La Crosse	78	— 8	41.3	0.28	T.
Lakin	78	— 9	39.0	0.30	3.0
Lawrence	76	14	44.6	1.83	4.0
Lebanon	74	— 2	39.6	0.80	
Lebo	77	14	46.0	2.51	1.5
Macksville	74	— 5	39.9	0.50	0.2
McPherson	79	4	44.7	0.96	T.
Madison	79	10	45.6	2.23	1.0
Manhattan *b*	80	15	45.0	1.30	4.0
Manhattan *c*	80	15	44.6	1.31	3.0
Marion	76	20	45.0	1.35	T.
Medicine Lodge	80	2	45.8	0.92	
Minneapolis	75	5	42.7	0.55	2.5
Moran	77	13	46.8	2.39	1.0
Mounthope *[1]	77	12	45.0	0.83	
Ness City	80	— 2	42.5	0.10	
Norwich	76	7	45.2	1.05	
Olathe	75	15	45.6	2.69	6.0
Oswego	78	15	48.8	4.13	T.
Ottawa	77	13	45.0	2.48	3.5
Paola	78	14	46.6	2.50	5.0
Pittsburg	78	14	48.2	5.67	T.
Pleasanton	77	15	47.2	2.09	1.1
Pratt	77	— 3	43.4	0.38	T.
Republic	77	— 4	40.0	0.90	T.
Rome	78	12	46.4	1.65	T.
Salina	78	17	43.8	0.99	2.0
Sedan	78	14	47.6	2.13	T.
Seneca	77	12	42.8	0.91	6.0
Toronto	78	11	44.2	2.19	T.
Valley Falls	77	13	44.0	0.61	1.2
Viroqua	77	—15	39.2	0.30	3.0
Wakeeney	.....	.....	.....	0.90	0.5
Wallace	74	— 5	36.7	0.25	2.5
Walnut	76	16	47.6	5.36	0.6
Wamego *[1]	78	16	42.6	1.36	3.6
Winfield	79	12	46.0	1.61	T.
Yates Center	79	18	46.2	2.09	0.5
Kentucky.					
Alpha	82	26	55.2	6.83	
Anchorage	80	21	49.8	2.74	T.
Bardstown	80	21	52.3	3.46	
Beattyville	.....	.....	.....	5.06	
Berea	80	25	52.2	6.39	
Blandville	77	24	51.4	4.10	T.
Kentucky—Cont'd.					
Bowling Green	77	23	53.8	3.10	
Burnside	81	25	53.2	5.65	
Cadiz [d]	79	32	55.2	4.07	
Carrollton	80	24	51.0	3.22	T.
Catlettsburg	83	22	53.4	4.64	T.
Earlington	79	23	51.6	3.34	T.
Edmonton	79	23	53.2	6.67	T.
Eubank	80	21	53.6	4.74	
Falmouth	.....	.....	.....	3.47	
Fords Ferry	81	21	50.2	2.55	T.
Frankfort	76	24	51.8	3.78	
Franklin	81	25	54.1	4.90	
Greensburg	81	23	51.8	6.01	
Henderson	80	24	50.8	4.63	0.2
Highbridge	80	26	52.4	4.60	T.
Hopkinsville	78	25	52.7	4.31	
Irvington	77	25	51.0	3.69	T.
Jackson	81	24	55.6	4.24	
Leitchfield	77	22	51.0	3.78	T.
Loretto	82	19	52.2	3.69	
Manchester	82	22	54.4	4.35	
Marrowbone	81	21	54.0	5.55	
Maysville	83	22	52.4	5.03	T.
Middlesboro	76	24	54.2	6.05	
Mount Sterling	77	22	51.9	5.84	
Owensboro	79	26	52.6	3.37	T.
Owenton	78	24	50.2	4.96	
Paducah *a*	.....	.....	.....	3.42	T.
Paducah *b*	82	25	54.2	3.42	T.
Pikeville	85	20	56.2	3.99	
Princeton	79	22	53.3	3.50	T.
Richmond	85	23	52.3	3.17	
St. John	78	20	51.4	3.64	
Scott	77	22	49.9	4.21	T.
Shelby City	81	20	52.2	5.52	
Shelbyville	81	23	51.8	3.63	T.
Taylorsville	77	22	51.4	3.97	
Williamsburg	.....	.....	.....	5.08	
Williamstown	77	22	50.9	3.25	
Louisiana.					
Abbeville	82	38	64.0	8.63	
Alexandria	82	35	62.1	9.10	
Amite	.....	.....	.....	16.34	
Baton Rouge	84	40	62.8	10.79	
Burnside	82	40	64.2	8.09	
Calhoun	80	35	61.0	6.95	
Cameron	76	42	63.0	5.93	
Cheneyville	82	38	61.8	11.59	
Clinton	81	37	61.9	21.47	
Collinston	84	34	60.0	5.65	
Covington	81	37	63.6	8.09	
Donaldsonville	89	41	65.2	6.55	
Emilie	79	43	62.2	5.00	
Farmerville	79	30	56.0	8.36	
Franklin	85	42	64.8	6.13	
Grand Coteau	80	40	63.6	9.77	
Hammond	79	39	63.5	10.15	
Houma	83	41	64.4	4.40	
Jennings	82	35	60.1	10.75	
Lafayette	81	42	62.5	8.65	
Lake Charles	82	41	62.8	9.42	
Lake Providence	82	31	59.4	5.20	
Lakeside	80	44	63.0	9.04	
Lawrence	82[c]	42[b]	62.8[c]	4.62	
Leesville	.....	.....	.....	9.17	
Libertyhill	82	31	60.3	7.35	
Mansfield	81	31	57.1	5.76	
Melville	88	42	62.8	15.68	
Minden	82	31	60.0	4.84	
Monroe	83	33	60.3	6.24	
New Iberia	.....	.....	.....	7.25	
Opelousas	81	39	62.6	13.94	
Oxford	82	32	57.8	.....	
Plain Dealing	81	29	57.9	4.22	
Port Eads	79	47	61.6	6.65	
Reserve	80	42	62.6	6.00	
Ruston	81	29	58.6	7.36	
St. Francisville	81	35	61.4	12.70	
Schriever	89	39	64.1	4.02	
Sugar Experiment Station	82	45	64.7	9.08	
Sugartown	77[c]	39	61.3	13.90	
Venice	86	49	61.3	4.34	
Wallace	83	40	63.6	5.33	
Maine.					
Bar Harbor	67	7	37.8	10.05	0.5
Belfast	64	4	39.2	8.94	1.0
Cornish	75	12	39.2	6.84	4.0
Danforth	.....	.....	.....	5.05	3.0
Fairfield	70	3	39.0	6.35	1.2
Farmington	79	1	37.6	5.67	1.5
Fort Fairfield	56	—17	29.8	.....	
Gardiner	78	7	39.2	6.65	1.0
Houlton	61	— 7	34.8	5.49	5.0
Jackman	.....	.....	.....	3.30	T.
Lewiston	82	9	39.4	6.32	1.8
Mattawamkeag	.....	.....	.....	6.56	3.0
Mayfield	62	— 2	35.7	5.33	3.0
Millinocket	61	1	37.8	6.39	3.0
Maine—Cont'd.					
Montague	.....	.....	.....	5.43	0.5
North Bridgton	80	8	39.4	5.62	3.0
Orono	64	0	37.5	6.22	2.0
Patten	64	— 9	36.4	3.02	T.
Rumford Falls	76	4	37.2	4.09	1.2
Solon	.....	.....	.....	4.90	.....
South Lagrange *[1]	62	— 2	37.2	.....	.....
The Forks	.....	.....	.....	4.42	4.5
Vanburen	58	—16	27.8	4.65	3.0
Winslow	74	3	34.6	7.15	1.5
Maryland.					
Annapolis	73	.....	.....	5.60	
Bachmans Valley	66	23	46.6	9.36	
Boettcherville	85	22	49.6	3.98	1.0
Boonsboro	73	23	49.6	3.75	
Cambridge	75	27	51.2	6.94	
Chase	72	20	48.8	4.98	
Cheltenham	75	21	50.4	5.59	
Chestertown	71	25	48.6	4.71	
Chewsville	72	23	48.7	3.23	T.
Clearspring	73	24	48.4	3.20	T.
Coleman	73	27	50.3	5.05	
Collegepark	71	21	48.6	5.54	
Colora	.....	.....	.....	4.55	
Cumberland	.....	.....	.....	2.77	
Darlington	72	22	49.8	4.18	
Deerpark	74	17	45.6	3.72	5.0
Denton	66	21	47.0	4.57	
Easton	73	23	51.2	5.49	
Fallston	70	23	48.5	4.28	
Frederick	74	24	51.5	4.22	
Grantsville	75	15	44.6	4.19	0.2
Greatfalls	77	20	49.4	6.23	
Greenspring Furnace	74	21	48.7	3.00	
Hancock	77	21	50.0	3.17	
Harney	.....	.....	.....	4.85	
Jewell	74	25	50.6	6.20	
Johns Hopkins Hospital	72	.....	.....	4.30	
Laurel	73	20	49.0	5.50	T.
McDonogh	70	22	47.7	5.55	
Mount St. Marys College	69	24	47.8	4.20	T.
New Market	72	23	50.0	5.94	
Pocomoke City	76	27	52.1	6.60	
Prince Frederickton	76	24	51.1	6.30	
Princess Anne	76	24	51.4	7.45	
Queenstown	73	28	49.5	4.86	
Sharpsburg	74	23	48.8	4.87	
Solomons	75	28	49.6	5.40	
Sudlersville	77	25	51.6	6.35	
Sunnyside	79	17	46.7	6.33	2.0
Takoma Park	74	23	48.7	5.53	
Van Bibber	65	22	46.2	5.06	
Westernport	79	25	48.9	3.07	2.0
Woodstock	73	25	51.5	4.99	
Massachusetts.					
Amherst	76	19	42.9	6.40	1.0
Bedford	76	23	42.9	5.98	T.
Bluehill (summit)	73	18	43.2	7.20	0.2
Cambridge	75	21	44.3	6.09	
Chestnuthill	76	18	44.8	6.62	T.
Cohasset	.....	.....	.....	7.34	
Concord	76	18	41.9	6.05	0.6
East Templeton *[1]	70	18	39.7	5.44	2.0
Fall River	65	22	44.4	7.13	
Fitchburg *a* *[1]	72	18	40.9	5.86	2.5
Fitchburg *b*	75	17	41.9	5.14	0.8
Framingham	75	16	43.9	6.34	.....
Groton	74	17	41.3	6.55	1.5
Holyoke	.....	.....	.....	6.55	.....
Hyannis	.....	.....	.....	7.25	
Jefferson	.....	.....	.....	6.85	0.5
Lawrence	76	18	42.6	5.39	0.5
Leominster	.....	.....	.....	5.86	2.2
Lowell *a*	73	20	43.5	5.90	
Lowell *b*	77	18	43.2	.....	
Ludlow Center	.....	.....	.....	5.98	
Middleboro	69	14	42.8	7.02	
Monson	71	18	42.8	6.73	
New Bedford *a*	63	19	42.5	8.02	
Pittsfield	.....	.....	.....	4.83	2.0
Plymouth *[1]	70	21	33.1	7.94	
Princeton	.....	.....	.....	6.52	.....
Provincetown	58	28	42.4	6.41	
Salem	.....	.....	.....	6.25	
Somerset *[1]	72	18	45.8	9.27	
Sterling	.....	.....	.....	6.37	1.2
Taunton	69	14	42.7	6.79	.....
Webster	.....	.....	.....	7.23	
Westboro	77	19	45.8	6.85	T.
Weston	74	17	42.4	6.30	0.2
Williamstown	71	21	41.6	4.67	0.8
Winchendon	.....	.....	.....	6.15	3.0
Worcester *b*	73	18	43.2	5.15	T.
Michigan.					
Adrian	80	.....	.....	0.50	T.
Agricultural College	75	16	41.0	1.25	T.
Allegan	75[d]	15[d]	40.0[d]	1.06	1.0
Alma	75	15	39.5	1.57	T.

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.*
Ann Arbor	77	12	41.7	1.79	T.
Annpere	70	18	37.8	0.37	
Arbela	73	12	39.4	1.65	
Baldwin	74	12	39.2	0.33	2.0
Ball Mountain	74	15	40.2	1.43	T.
Baraga	62	3	30.4	.....	
Battlecreek	76	15	41.0	0.65	T.
Bay City	74	13	39.6	1.26	T.
Benzonia	72[d]	18[d]	38.2[d]	3.39	3.0
Berlin	75	16	39.2	1.73	1.2
Berrien Springs	77	12	42.6	2.44	1.5
Big Rapids	74	10	36.8	1.78	4.0
Birmingham	70[g]	17[g]	39.0[g]	1.70	T.
Boon	69	9	34.6	2.12	5.5
Calumet	47	5	27.4	2.84	11.0
Carsonville	75	15	40.6	1.01	
Cassopolis	75	10	40.6	2.60	0.5
Charlevoix	70	13	36.8	3.15	1.0
Chatham	53	— 3	29.2	1.82	6.0
Cheboygan	72	3	34.7	3.30	T.
Clinton	79	18	42.6	1.30	T.
Coldwater	76	16	43.8	0.60	T.
Deerpark	49	5	30.8	2.83	7.0
Detour	48	— 2	31.4	5.07	3.0
Dundee	76	19	43.8	1.32	
Eagle Harbor	48	9	29.8	1.13	1.1
East Tawas	59	10	35.6	2.41	1.0
Eloise	77	17	43.4	1.02	
Ewen	58	— 1	28.2	2.08	1.0
Fennville	75[c]	16[c]	40.8[c]	1.99	1.5
Fitchburg	75	16	41.2	1.48	T.
Flint	76	14	40.1	1.67	T.
Frankfort	62	21	36.6	0.62	1.0
Gaylord	68	0	33.2	2.40	1.5
Gladwin	74	11	38.2	1.90	1.0
Grand Marais	51	10	31.4	2.07	3.0
Grand Rapids	75	14	40.2	2.48	
Grape	77	19	41.6	1.45	T.
Grayling	73	9	35.5	1.45	4.0
Hagar	76	19	41.1	3.35	3.5
Harbor Beach	74	12	39.0	1.06	
Harrison	.....	.....	.....	1.04	T.
Harrisville	60	13	35.3	1.86	4.7
Hart	74	20	37.6	0.31	
Hastings	76	14	40.9	1.12	0.3
Hayes	75	18	38.4	1.63	
Highland Station	.....	.....	.....	1.67	3.0
Hillsdale	76	15	41.1	1.48	T.
Humboldt	56	0	29.0	0.35	3.5
Iron Mountain	61	2	34.0	3.03	0.4
Iron River	62	— 1	31.8	2.70	2.0
Ironwood	56	— 4	30.3	1.72	2.0
Ishpeming	58	2	29.7	2.85	7.5
Ivan	71	7	35.6	1.36	6.0
Jackson	76	17	43.1	1.19	T.
Jeddo	75	9	39.7	1.20	0.4
Lake City	71	— 3	41.2	1.55	2.5
Lansing	81	16	41.4	1.52	0.5
Lapeer	78	8	40.6	.....	.....
Lincoln	72[d]	12[d]	39.6[d]	.....	.....
Ludington [e]	60	15	39.6	.....	.....
Mackinac Island	58	0	32.8	4.54	0.7
Mackinaw	55	3	32.8	4.26	1.0
Mancelona	68	18	35.8	0.80	
Manistee	60[f]	25[f]	39.8[f]	3.00	1.0
Manistique	45	3	32.2	5.00	3.0
Menominee	56	5	34.4	3.23	T.
Midland	73	13	39.8	1.57	1.0
Mio	68	9	35.9	1.36	3.0
Montague	68	14	39.2	1.95	3.5
Mount Clemens	78[c]	26[c]	45.4[c]	0.85	T.
Mount Pleasant	75	12	38.3	1.50	
Muskegon	73	15	39.6	1.92	2.0
Newberry	50	10	32.8	.....	.....
Old Mission	74	12	37.4	3.99	1.0
Olivet	74	16	41.0	1.75	1.1
Omer	73	10	37.8	.....	.....
Onaway	73	10	37.0	2.32	T.
Ontonagon	52	4	29.0	2.74	6.0
Ovid	76	15	40.3	1.16	T.
Owosso	78	11	42.4	0.20	
Petoskey	74	8	35.6	3.37	1.0
Port Austin	75	15	39.4	.....	.....
Powers	58	13	34.5	.....	.....
Reed City	.....	.....	.....	0.70	2.0
Roscommon	72	8	37.9	1.90	6.0
Saginaw	78	14	40.9	1.41	0.5
St. Ignace	55	10	34.3	.....	.....
St. Johns	75	16	41.4	.....	.....
St. Joseph	75	17	37.2	2.01	T.
Slocum	.....	11	.....	0.37	.....
South Haven	77	20	40.2	2.97	2.2
Thomaston	58	— 3	28.6	2.09	2.0
Thornville	76	15	40.4	1.46	
Traverse City	77	19	38.0	3.85	1.0
Vans Harbor	50	21	36.3	3.73	5.5
Vassar	74	5	43.0	1.15	
Wasepi	75	15	41.1	1.80	1.0
Michigan—Cont'd.	°	°	°	*Ins.*	*Ins.*
Waverly	70	16	38.8	1.30	0.4
Webberville	75	11	41.4	1.72	T.
West Branch	73	9	35.6	0.55	3.4
Wetmore	49	0	28.4	0.30	3.0
Whitecloud	74[c]	10[c]	36.1[c]	1.30	1.0
Whitefish Point	44	0	29.4	3.01	1.0
Ypsilanti	77	17	42.2	2.13	T.
Minnesota.					
Ada	54	1	26.4	0.65	7.0
Albert Lea	65	13	33.8	1.74	5.0
Alexandria	56	3	28.6	1.85	T.
Angus	46	— 2	20.5	1.40	
Ashby	59	6	28.3	1.25	0.8
Beardsley	55	3	28.6	0.55	
Beaulieu	48[c]	— 6[c]	21.5[c]	0.86	9.0
Bemidji	47	— 2	25.4	1.05	7.7
Bird Island	61	7	31.4	2.89	3.0
Blooming Prairie	64	8	34.0	2.30	5.
Caledonia	69	10	35.2	1.52	6.5
Collegeville	58	5	31.9	3.44	2.9
Crookston	.....	0	22.8[c]	0.80	8.0
Currie	65[g]	9[g]	31.6[g]	.....	
Deephaven	.....	.....	.....	1.83	4.0
Detroit	46	— 8	22.6	0.95	5.5
Duluth (sub station)	54	— 5	27.1	1.84	3.4
Faribault	64	7	33.8	1.10	3.6
Farmington	57	4	33.0	1.95	4.0
Fergus Falls	54	5	28.0	0.95	3.3
Floodwood	53	—12	27.0	1.12	T.
Glencoe	66	10	31.4	1.67	2.0
Grand Meadow	66	6	34.6	3.62	10.0
Hallock	47	— 9	20.9	0.88	9.0
Lake Winnibigoshish	49	— 8	23.4	0.79	3.5
Leech	53	— 7	23.8	1.19	2.7
Long Prairie	55	1	29.2	2.15	T.
Luverne	60	10	31.6	2.21	T.
Lynd	60	7	30.7	1.58	1.5
Mapleplain	59	3	32.2	1.98	5.0
Milaca	47[c]	— 3[c]	28.6[c]	2.47	
Milan	61	6	30.3	2.46	T.
Minneapolis [1]	57	5	33.1	1.60	3.5
Montevideo	61	— 2	28.2	2.92	0.7
Morris	58	8	28.8	1.10	0.1
Mount Iron	58	—16	25.3	0.48	3.5
New London	62	2	28.7	4.34	0.5
New Richland	65	8	35.0	1.45	2.0
New Ulm	64	9	34.4	3.48	4.0
Park Rapids	49	— 3	24.3	1.24	3.7
Pine River	53	0	26.0	1.83	3.0
Pipestone	56	7	30.8	1.57	
Pleasant Mounds	65	9	34.7	0.87	2.5
Pokegama Falls	60	—10	25.0	0.72	0.8
Redwing *a*	.....	.....	.....	0.73	5.5
Redwing *b*	63	3	35.4	1.41	.....
Reeds	.....	.....	.....	1.82	5.0
Rolling Green	60	9	33.5	1.35	2.0
St. Cloud	60	— 2	30.8	2.75	T.
St. Peter	64	9	35.2	1.69	1.3
Sandy Lake Dam	52	— 8	26.1	2.48	1.7
Shakopee	59	7	34.0	2.07	3.0
Thief River Falls	48	— 3	23.2	1.45	12.0
Tower	55	— 4	26.2	1.55	7.5
Two Harbors	56	6	27.8	2.84	2.2
Wabasha	65	6	37.4	1.93	5.0
Warroad	52	—10	20.2	1.02	10.2
Willow River	62	— 9	28.0	3.09	1.4
Winnebago City	65	12	34.1	1.03	1.7
Winona	67	7	37.1	2.55	6.0
Worthington	61	8	31.8	2.98	0.8
Wyoming	.....	.....	.....	1.70	4.5
Zumbrota [1]	60*	8	35.6	.....	
Mississippi.					
Aberdeen	78	32	57.8	6.82	
Agricultural College	78	32	59.0	4.63	
Austin	80	30	57.0	5.14	
Batesville	79	30	56.4	3.42	
Bay St. Louis	76[c]	46[c]	63.6[c]	12.72	
Biloxi	78	43	63.7	8.73	
Boggan	79[c]	33[c]	61.4[c]	7.76	
Booneville	80	31	56.9	6.20	
Brookhaven	.....	37	.....	13.07	
Canton	80	34	60.8	6.17	
Cleveland	82	36	61.2	3.66	
Columbus	78	34	58.2	6.02	
Crystalsprings	82	35	60.4	6.81	
Duck Hill	86	30	59.4	3.60	
Edwards	81	35	61.4	6.23	
Fayette	82	33	61.2	9.55	
Fayette (near)	.....	.....	.....	8.72	
Greenville *a*	77	33	58.6	5.76	
Greenville *b*	80	33	57.4	5.87	
Greenwood	81	32	59.1	4.53	
Hattiesburg	81	33	63.4	8.14	
Hazlehurst	82	36	60.6	6.90	
Hernando	79	30	58.6	2.98	
Holly Springs	76	29	55.2	3.48	
Indianola	80	32	58.0	3.40	
Jackson	81	36	60.3	8.06	
Mississippi—Cont'd.	°	°	°	*Ins.*	*Ins.*
Kosciusko	81	32	58.7	4.52	
Lake	77	32	58.2	6.24	
Lake Como	82	31	61.9	7.84	
Laurel	82	34	62.6	10.14	
Leakesville	81	33	62.9	4.09	
Louisville	79	31	58.5	3.86	
Macon	79	32	59.4	3.27	
Magnolia	81	35	61.8	11.74	
Natchez	85	37	63.4	8.75	
Nittayuma	82	32	60.0	4.98	
Okolona	81	32	58.1	6.47	
Patmos	.....	.....	.....	5.08	
Pearlington	81	38	63.6	8.84	
Pittsboro	78	30	58.0	5.72	
Pontotoc	77	31	57.6	4.24	
Poplarville	80	30	62.5	8.09	
Port Gibson	85[g]	33[b]	62.0[g]	6.91	
Ripley	76	27	56.1	4.28	
Shoccoe	80	33	62.0	6.11	
Stonington	.....	.....	.....	8.59	
Suffolk	81	35	61.3	9.41	
Swartwout	78	34	63.8	9.45	
Thornton	82	34	60.9	3.61	
Tupelo	80	31	58.6	4.88	
University	79	31	58.0	4.17	
Walnutgrove	84	30	61.7	5.41	
Watervalley	79	30	55.6	3.74	
Waynesboro	79	32	61.2	6.35	
Westpoint	80	35	60.4	6.21	
Woodville	79	36	61.6	14.98	
Yazoo City	82	35	59.4	3.58	
Missouri.					
Appleton City	77	15	46.6	4.45	
Arthur	78	16	47.3	4.67	
Avalon	77	11	45.7	2.68	0.2
Bagnell	.....	.....	.....	3.85	
Bethany	75	15	43.0	1.56	6.0
Birchtree	76	15	49.9	3.20	T.
Boonville	.....	.....	.....	3.56	0.6
Brunswick	79	16	44.8	2.13	T.
Carrollton	77	15	46.4	2.12	1.0
Caruthersville	79	26	53.3	6.14	T.
Conception	75	17	42.0	0.85	3.0
Cowgill	.....	.....	.....	2.25	1.8
Darksville	78	15	46.0	2.95	
Dean	80	11	49.6	3.57	
Desoto	73[d]	12	49.1	3.71	2.0
Downing	.....	.....	.....	1.27	0.4
Edgehill	76	20	48.5	2.68	0.2
Edwards	79	15	47.6	3.64	2.0
Eightmile *[3]	.....	21	47.2	4.17	3.0
Eldon	79	14	47.7	3.90	T.
Fairport	.....	.....	.....	1.65	4.0
Fayette	78	19	47.4	3.58	T.
Fulton	79	15	46.8	3.18	T.
Galena	.....	.....	.....	4.38	T.
Gallatin *[1]	80	24	46.1	2.37	6.0
Glasgow	78	16	45.9	2.91	0.5
Gorin	.....	.....	.....	2.37	1.0
Grant City	75	15	42.4	0.91	0.3
Halfway	77	15	48.3	5.05	1.0
Harrisonville	77	15	44.3	4.93	6.0
Hazlehurst	.....	.....	.....	1.63	2.0
Hermann	.....	.....	.....	3.58	T.
Houston	76	15	48.6	4.90	0.2
Huntsville	77	16	46.5	3.17	T.
Ironton	79	18	48.6	2.97	0.2
Jackson	79	20	50.8	6.24	3.0
Jefferson City	81	16	46.5	4.49	
Joplin	78	18[c]	50.6	3.15	0.2
Kidder	76	15	43.6	1.99	3.2
Koshkonong	76	17	50.8	4.76	1.0
Lamar	78	15	49.2	8.63	T.
Lamonte	.....	.....	.....	3.48	1.5
Lebanon	76	14	48.0	4.81	
Lexington	77	16	46.3	2.51	3.0
Liberty	75	15	45.1	1.89	3.0
Louisiana	78	16	46.4	3.91	
Macon	78	14	46.4	2.10	T.
Marblehill	80	21	50.4	4.93	
Marshall	78	17	46.4	3.58	0.5
Maryville	75	13	40.2	1.47	4.0
Mexico	80	10	46.2	2.59	T.
Miami *[6]	77	17	45.6	2.40	0.5
Mineralspring	78	13	49.6	3.75	0.5
Monroe City	78	13	44.8	2.55	T.
Montreal	75[d]	12[d]	45.2[d]	3.41	1.0
Mountaingrove	74	15	48.2	4.79	T.
Mount Vernon	80	15	49.6	4.56	T.
Neosho	78	14	49.4	3.45	0.5
Nevada	.....	.....	.....	3.23	T.
New Haven	81	18	48.4	3.37	
New Madrid *b*	.....	.....	.....	4.37	
New Palestine	78	17	48.3	3.68	T.
Oakfield	80	17	48.4	3.73	1.3
Olden	74	16	49.5	3.87	T.
Oregon	76	15	42.8	1.34	3.0
Palmyra *[6]	78	16	43.7	1.72	0.2

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.*
Pine Hill				4.04	T.
Poplarbluff	79[d]	21[d]	51.2[d]	6.36	T.
Princeton	75	15	42.3	2.33	4.0
Protem	77	22	51.5	4.26	0.8
Richmond				1.58	3.0
Rockport				1.29	5.0
Rolla				4.92	1.4
St. Charles	79	17	47.6	3.13	0.8
St. Joseph				1.20	2.0
Sarcoxie				4.52	T.
Sedalia	78	15	46.8	4.25	T.
Seymour	74	13	47.7	4.42	1.5
Shelbina				2.48	
Sikeston	76	23	50.8	5.18	T.
Steffenville	78	15	47.2	2.50	T.
Sublett	77	12	41.6	3.80	T.
Trenton	74	16	43.8	2.04	3.0
Unionville	74	14	41.8	1.86	1.0
Vichy	79	12	47.2	4.98	2.0
Warrensburg	79	16	47.8	4.55	2.0
Warrenton	80	9	45.4	3.92	0.3
Wheatland				4.09	1.6
Willowsprings	76	15	48.9	3.55	T.
Windsor	78[f]	16[f]	46.3[f]	4.71	0.4
Zeitonia	79	19	49.4	4.04	0.6
Montana.					
Adel	59	−15	23.8	2.01	17.5
Augusta	62	−13	25.7	1.00	10.0
Billings	69	8	31.8	0.55	5.5
Boulder	57	− 7	26.8	0.98	7.5
Bozeman	60	0	27.6	0.67	
Butte	56	6	30.8	1.30	11.0
Canyon Ferry	61	− 5	29.1	0.78	7.4
Chinook	65	− 8	19.6	0.48	6.0
Columbia Falls	60	2	32.4	0.27	T.
Culbertson	59	−18	20.7	0.05	
Dayton	62	9	34.6	0.55	1.0
Deerlodge	60	− 4	29.4	0.10	1.0
Dillon	60	− 4	29.2	1.23	11.3
Ekalaka	62	− 5	27.2		
Fort Benton	54	− 8	20.0	0.80	8.0
Fort Logan	65	−11	26.0	0.51	
Glasgow	66	− 5	22.4	0.18	
Glendive	66	−10	23.2	0.40	4.0
Greatfalls	63	− 7	27.2	0.89	8.0
Hamilton	66	6	36.0	0.45	9.5
Kipp	56	−15	19.0	1.17	11.7
Lamedeer	68	− 4	30.4	0.70	7.0
Lewistown	66	− 6	27.6	0.55	5.5
Livingston	64	−15	25.0	0.01	0.2
Manhattan	64	− 7	30.4	0.45	4.5
McMillan	66	0	26.9	0.20	2.0
Marysville	53	− 8	24.9		
Missoula	65	10	36.6[i]	1.28	5.0
Ovando	53	−10	25.8	1.11	7.8
Parrot	63	0	30.9	0.62	6.2
Plains	64	13	34.8	0.50	4.0
Poplar	63	−15[k]	21.9[e]		
Redlodge	60	− 7	25.9	0.43	12.2
Ridgelawn	64	−17	22.4	0.22	2.2
St. Pauls	62	− 5	24.0	0.18	5.8
St. Peter	58	−11	25.8	1.00	21.5
Springbrook	66	−10	21.8	0.75	5.5
Summit	51	−14	21.2	6.85	58.0
Toston	66	− 7	25.1	0.56	5.8
Troy	70	7	35.7	3.49	4.0
Twin Bridges	61[d]	− 5[d]	29.4[d]		
Twodot	65	0	26.8	1.50	13.0
Utica	61	− 9	26.6	1.11	9.5
Wibaux[1]	76	−10	28.8		
Winston[k]	47	− 3	21.6		
Wolf Creek	62	− 6	28.3	1.76	10.2
Yale	63	−10	25.7	2.23	22.0
Nebraska.					
Agate	79	−11	30.6	0.37	4.0
Agee*[1]	70	0	30.6	0.50	
Albion	68	3	36.0	1.61	4.0
Alliance	76	− 1	35.0	T.	T.
Alma	78	− 9	39.2	0.79	3.3
Ansley	72	10	33.6	0.41	0.3
Arapahoe				0.70	4.0
Arcadia	70	8	35.8		
Ashland *a*	75	11	40.6	0.50	4.0
Ashland *b*				0.62	1.2
Ashton				1.32	3.0
Auburn	75	12	42.0	0.97	4.0
Aurora				1.11	1.0
Bartley	71	7	34.8	0.68	5.0
Beatrice	75	9	40.4	0.97	3.0
Beaver	77	− 2	38.2	0.93	3.0
Bellevue				0.72	1.0
Benedict				1.91	0.2
Benkleman*[1]	70	0	35.6	0.08	1.0
Blair	75	9	36.2	0.74	0.1
Bluehill*[1]	55	− 8	33.4	0.20	1.0
Bradshaw				1.27	3.0
Bridgeport	73	4	35.8	0.47	4.5
Brokenbow	74	0	34.9	0.35	T.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Nebraska—Cont'd.	°	°	°	*Ins.*	*Ins.*
Burchard				0.80	5.0
Burwell				0.15	
Callaway	71	2	32.4	0.10	1.0
Cedar Rapids	64	5	32.2	1.43	2.9
Central City				1.72	3.2
Chester				0.10	1.0
Cody				0.37	3.7
Columbus	66	7	36.0	1.58	2.5
Crete	74	10	39.8	0.55	1.3
Culbertson				0.58	3.7
Curtis	73	− 3	35.6	0.60	6.0
David City	71	10	37.4	0.65	1.8
Dawson	76	13	42.5	1.12	3.0
Edgar				0.48	0.7
Ericson				0.25	0.5
Ewing				0.74	
Fairbury	76	12	39.8	0.74	3.0
Fairmont	74	2	36.6	0.34	1.5
Fort Robinson	89	− 6	33.1	1.75	8.5
Franklin[c]	77	6	36.2		
Fremont	75	15	37.0	0.73	2.0
Geneva	75	12	38.4	0.38	0.4
Genoa (near)	66	0	35.7	2.17	5.0
Gering	70	1	35.4	0.48	2.5
Gordon				0.25	2.5
Gosper				0.44	1.7
Gothenburg	73	1	35.3	0.44	4.3
Grand Island	69	− 4	36.0	1.39	2.6
Greeley				0.55	
Guide Rock				1.12	1.0
Halsey				0.24	
Harvard	72	− 5	36.4	1.31	4.8
Hastings*[1]	66	4	35.7	0.45	4.2
Hayes Center				T.	
Hay Springs	72	− 4	29.0	0.92	9.3
Hebron	75	1	39.4	0.58	1.0
Hickman				0.65	2.5
Holbrook				0.81	5.0
Hooper*[1]	65	14	36.3	1.08	1.7
Imperial	76	− 6	35.6	0.30	0.9
Johnstown				0.10	
Kearney	70	− 2	37.0	1.21	2.5
Kennedy	76	− 1	34.6	0.30	3.0
Kimball	67	5	33.4	0.50	5.0
Kirkwood	75	4	34.4	0.67	0.2
Leavitt	74	14	38.3	0.90	T.
Lexington	65	3	34.6	0.83	5.0
Lockridge	73[e]	0[e]	38.6[e]	1.36	3.0
Lodgepole	70	0	34.0	0.52	0.2
Loup	70	2	34.6	1.67	4.0
Lynch	75	5	34.4	0.70	0.8
Lyons				1.25	1.2
McCook*[1]	65	7	38.8	0.25	2.5
McCool Junction				0.87	2.0
Madison	66	5	34.9	2.00	2.0
Madrid	78	− 8	35.5	0.10	T.
Marquette				1.18	3.0
Mason				0.45	
Minden *b*	70	− 2	36.0	1.17	2.4
Monroe				1.33	3.0
Nebraska City *c*	74	13	40.9	0.79	2.5
Nemaha				0.61	2.0
Norfolk	69	2	34.6	1.65	2.0
North Loup	69	1	35.9	1.10	2.0
Oakdale	66	4	33.7	1.50	0.8
Odell				0.92	5.0
O'Neill	73	6	35.0	0.59	T.
Ord				0.26	
Osceola				1.45	
Palmer				0.66	4.0
Palmyra*[1]	76	12	38.8	0.67	
Pawnee City				1.30	4.0
Plattsmouth *a*				0.84	3.0
Plattsmouth *b*	71	18	40.0	0.64	2.0
Purdum	75	− 3	33.4	0.09	
Ravenna *a*	68	− 3	35.5	1.50	3.5
Redcloud	73	− 2	39.0	0.33	1.5
Rulo				0.69	2.5
St. Paul	68	− 4	37.0	1.70	5.5
Salem*[1]	72	16	42.8	0.75	2.5
Santee	74	9	35.8	1.10	0.8
Seneca*[1]	70	12	33.6		
Seward	74	8	37.8	1.17	3.0
Smithfield				0.50	3.0
Spragg				0.04	0.1
Springview	75	2	32.8	0.44	
Stanton	68	5	35.8	1.87	T.
Strang*[1]	72	6	40.1	0.93	3.0
Stratton				0.45	2.0
Superior	75	− 4	35.6	0.20	
Syracuse				1.00	2.0
Tablerock				1.33	5.0
Tecumseh *b*	70	10	40.7	1.80	1.8
Tecumseh *c*				1.12	3.5
Tekamah	75	13	39.8	1.08	3.2
Turlington	74	11	40.6	0.76	4.2
University Farm	75	11	40.0	0.57	2.1
Wakefield	68	9	36.4	2.04	0.5

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Nebraska—Cont'd.	°	°	°	*Ins.*	*Ins.*
Wallace				T.	T.
Weeping Water				0.75	2.2
Westpoint	68	13	38.2	1.01	
Wilber*[1]	74	16	39.5	0.75	0.5
Wilsonville				0.32	2.7
Winnebago	66	6	36.8	0.99	
Wisner				2.12	3.5
Wymore				0.70	
York	73	2	39.4	0.65	1.0
Nevada.					
Austin	58	10	34.0	2.40	
Battle Mountain	70	15	41.0	0.92	3.0
Belmont	55	7	31.6	1.15	9.0
Candelaria	66	19	40.6	0.23	1.5
Carson City	66	16	40.8	2.07	7.4
Dyer	67	6	40.2	0.50	
Elko	68	5	36.4	2.80	22.0
Ely	59	− 5	33.3	0.10	1.0
Eureka	62	6	33.6	3.50	42.5
Fenelon*[1]	65	0	32.2	1.00	7.0
Golconda*[1]	65	16	44.5	0.30	3.0
Hamilton	52	4	30.4	2.73	27.3
Hawthorne	70	17	43.6	T.	
Humboldt	65	18	40.6	0.10	3.5
Lee				2.14	26.0
Lewers Ranch	65	12	40.1	4.67	13.5
Lovelocks	70	16	46.6		
Martins	70	10	42.8	1.47	5.5
Mill City	70	23	42.0		
Monitor Mill	59	− 2	31.9	0.80	8.8
Morey	62	1	34.8	3.00	24.0
Palisade	66	3	36.0	0.91	7.0
Palmetto	67	5	37.4	2.88	17.5
Potts	60	− 8	32.2	0.72	15.2
Reno State University	64	18	40.5	0.53	
Rioville	90	25	59.2	0.38	0.0
Silverpeak	72	17	43.5		1.0
Sodaville	71	18	43.7	0.10	1.0
Tecoma	68	− 3	32.1	0.54	5.1
Toano*[5]	59	0	32.4	0.50	4.0
Wabuska	70	12	41.0	1.01	1.5
Wadsworth	69	14	42.8	1.22	8.2
Wood	63	5	33.6	1.70	24.0
New Hampshire.					
Alstead	70	16	39.8	6.13	4.0
Berlin Mills	77	− 3	36.8	3.59	
Bethlehem	70	7	37.4	5.41	9.0
Brookline*[1]	76	14	41.1	5.88	2.5
Chatham	70	2	36.4	2.95	3.0
Concord	76	12	40.1	5.15	3.0
Durham	78	17	41.4	6.63	1.0
Franklin Falls	74	14	38.8	5.60	3.0
Grafton	75	6	37.6	4.55	2.0
Hanover	75	12	40.4	4.90	1.8
Keene	79	14	41.0	4.67	2.0
Littleton	68	6	33.7	4.95	9.0
Manchester				5.82	3.3
Nashua	78	18	41.4	5.29	1.0
Newton	78	15	41.2	5.99	0.5
North Stratford				2.89	7.1
Peterboro	75	12	40.4	6.48	2.5
Plymouth	73	8	38.0	5.29	0.8
Sanbornton	74	8	37.5	5.49	4.0
Stratford	73	− 2	37.0	3.98	4.5
West Stewartstown				3.71	4.0
New Jersey.					
Asbury Park	69	25	45.1	4.38	
Barnegat	74	18	47.4	8.05	
Bayonne	73	25	47.4	4.44	
Belvidere	73	22	47.7	5.07	
Bergen Point	73	24	47.3	4.77	
Beverly	75	23	48.9	4.54	
Blairstown	71	21	46.2	5.03	
Bridgeton	76	25	50.4	6.79	
Camden	74	30	50.0	4.97	
Canton				4.80	
Cape May C. H.	71	23	47.8	6.34	
Charlotteburg	72	14	45.5	5.93	
Chester	72	20	45.4	6.05	T.
Clayton	75	23	49.0	4.50	
College Farm	74	24	48.0	4.74	
Dover	72	18	45.0	5.49	
Elizabeth	73	23	48.3	5.57	
Englewood	71	25	47.5	4.05	
Flemington	74	21	49.1	4.42	
Freehold	75	24	47.3	4.93	
Friesburg	73	22	48.9	5.77	
Hanover[7]	72	19	47.0	4.24	T.
Hightstown	75	25	48.7	4.59	
Imlaystown	76	25	49.4	4.30	
Indian Mills	79	20	50.0	4.69	
Lakewood	75	22	48.2	4.69	
Lambertville	74	25	49.0	4.42	
Layton	72	14	45.0	4.27	
Moorestown	76	24	48.8	5.28	
Mount Pleasant				5.42	
Newark	43	25	47.3	4.08	
New Brunswick	75	25	49.4	4.82	T.

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
New Jersey—Cont'd.	°	°	°	*Ins.*	*Ins.*
Newton	74	20	45.8	4.92	
Oceanic	68	25	47.6	5.19	
Paterson	73	23	48.6	5.40	
Pemberton	77	23	48.6	3.60	
Perth Amboy [k]	71	35	51.6	2.75	
Phillipsburg	71	25	47.4	4.39	
Plainfield	73	21	47.0	4.08	T.
Rancocas	.....	.....	.....	4.84	
Ringwood	72	13	45.8	5.47	
Rivervale	73	16	46.2	5.14	
Salem	72	24	48.6	5.33	
Somerville	73	22	48.0	4.42	
South Orange	70	22	46.9	4.51	T.
Sussex	73	19	45.9	3.79	
Toms River	74	20	48.0	5.34	
Trenton	75	30	51.8	5.55	
Tuckerton	70	19	47.2	8.07	
Vineland	75	22	49.5	6.39	
Woodbine	71	20	47.6	8.53	
Woodstown	.....	.....	.....	4.63	
New Mexico.					
Alamagordo	83	20	52.2	0.40	T.
Albert	83	2	45.0	T.	
Albuquerque	89	12	47.2	0.38	
Alma	78	12	44.2	0.29	
Arabella	77	14	47.3	T.	
Bellranch	.....	.....	.....	0.36	
Cambray	.....	.....	.....	0.80	
Carlsbad	90	19	53.8	T.	
Cloudcroft	51	− 2	32.6	0.90	9.0
Deming	.....	.....	.....	1.00	
Dorsey	71	− 1	40.0	0.22	3.0
Eagle Rock Ranch	72	−12	38.2	0.18	1.4
Engle	78	22	47.0	0.83	
Fort Bayard	76	16	46.2	1.27	
Fort Stanton	73	9	41.4	0.17	0.1
Fort Union	75	10	40.4	0.11	T.
Fort Wingate	64	2	33.9	0.45	2.0
Fruitland	71	11	41.8	0.10	T.
Gage	.....	.....	.....	0.90	
Galisteo	65	5	43.7	0.45	
Gallinas Spring	75	− 6	42.2	0.27	
Golden	.....	.....	.....	1.04	T.
Hot Springs	72	− 8	40.2	0.08	T.
Las Vegas	72	−11	39.8	0.13	T.
Lordsburg	.....	.....	.....	0.90	
Los Lunas	79	20	46.1	0.55	
Luna	72	9	38.3	0.58	
Mesilla Park	83	17	49.6	0.37	
Mountainair	71	0	40.4	0.46	3.0
Raton	87	0	40.4	0.05	
Roswell	88	14	49.6	0.10	
San Marcial	81	12	49.8	T.	
Strauss	.....	.....	.....	0.40	
Taos	67	− 5	38.6	1.40	.....
Winsors	61	−17	32.1	1.02	.....
New York.					
Adams	.....	.....	.....	2.52	6.0
Addison	78	20	43.8	4.56	T.
Adirondack Lodge	64	0	34.4	5.72	20.1
Akron	.....	.....	.....	3.44	.....
Alden	76	18	43.0	4.80	0.5
Amsterdam	.....	.....	.....	5.41	3.4
Angelica	80	17	43.4	4.60	T.
Appleton	79	19	40.6	2.55	T.
Arcade	74	12	39.6	4.22	2.0
Athens	74	20	44.4	4.21	T.
Atlanta	76	18	41.4	5.02	T.
Auburn	79	20	42.7	4.75	T.
Avon	81	10	41.8	3.18	T.
Axton	70	− 1	35.3	4.56	12.5
Baldwinsville	75	18	42.6	5.65	1.0
Bedford	78	26	49.2	3.53	
Blue Mountain Lake	.....	.....	.....	5.75	5.5
Bolivar	76	16	42.4	4.75	0.4
Bouckville	71	10	39.7	4.70	4.5
Boyds Corner	.....	.....	.....	6.30	.....
Brockport	79	18	41.8	3.48	1.0
Caldwell	66	16	39.8	6.37	5.0
Canaan Four Corners	73	12	41.8	3.51	
Canajoharie	75	18	40.0	5.66	1.8
Carmel	72	18	44.8	5.90	
Carvers Falls	70	12	40.1	5.74	2.0
Cedarhill	75	20	43.2	3.76	T.
Chazy	69	1	37.0	3.73	0.5
Cooperstown	70	17	39.5	5.84	1.0
Cortland	75	19	44.2	5.13	
Cutchogue	65	23	44.6	7.51	
Dekalb Junction	.....	.....	.....	2.85	4.5
De Ruyter	72	15	40.2	4.90	1.2
Easton	.....	.....	.....	4.75	4.5
Elba	76	17	39.7	3.57	3.5
Elmira	80	22	44.9	4.25	
Fayetteville	78	18	42.8	4.69	T.
Franklinville	74	15	42.2	4.04	0.2
Gabriels	76	9	36.5	2.99	
Gansevoort	.....	.....	.....	7.09	3.0
Glens Falls	73	16	42.2	6.49	3.5

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
New York—Cont'd.	°	°	°	*Ins.*	*Ins.*
Gloversville	73	15	39.2	7.32	3.0
Greenwich	73	19	41.8	5.86	1.0
Griffin Corners	70	14	40.8	4.23	T.
Harkness	73	1	38.4	3.33	0.8
Haskinville	.....	.....	.....	5.46	T.
Hemlock	71	20	42.0	3.89	.....
Indian Lake	67	4	35.8	4.83	4.5
Ithaca	75	21	42.1	4.62	T.
Jamestown	77	18	44.8	3.73	0.5
Keene Valley	77	0	39.3	3.79	2.5
King Ferry	.....	.....	.....	5.21	T.
Liberty	70	13	40.8	5.11	.....
Littlefalls, City Res.	74	16	39.7	5.21	0.5
Lockport	76	19	41.4	2.82	T.
Lowville	71	14	37.8	3.33	1.0
Lyndonville	.....	.....	.....	2.43	.....
Lyons	80	19	43.5	4.49	1.5
Middletown	67	21	45.2	3.35	T.
Mohonk Lake	65	21	43.0	4.60	T.
Moira	72	2	37.1	3.30	4.0
Mount Etrick	70	16	39.7	.....	.....
Newark Valley	.....	.....	.....	4.66	1.0
New Lisbon	71	12	39.0	5.77	T.
North Hammond	72	14	41.4	2.48	0.5
North Lake	.....	.....	.....	4.79	5.0
Nunda	78	18	43.4	4.17	T.
Ogdensburg	68	5	37.8	2.29	1.0
Old Chatham	.....	.....	.....	4.80	
Oneonta	74	18	42.0	5.90	T.
Oswegatchie	79	7	38.9	4.56	4.9
Otto	73	13	41.8	3.33	
Oxford	72	15	41.0	5.64	1.3
Palermo	.....	.....	.....	3.91	3.9
Penn Yan	75	21	41.4	4.43	T.
Perry City	74	14	40.8	5.34	0.7
Plattsburg	63	13	35.4	4.15	T.
Port Jervis	73	17	44.8	3.68	
Primrose	73	18	44.6	5.43	
Redhook	.....	.....	.....	5.03	
Richmondville	73	17	42.0	5.16	T.
Ridgeway	76	19	41.4	3.31	1.2
Rome	75	19	42.0	5.95	2.0
Romulus	76	19	42.5	5.44	T.
Salisbury Mills	.....	.....	.....	4.09	
Saranac Lake	76	5	38.0	4.85	4.7
Setauket	68	22	45.3	7.35	
Shortsville	78	19	42.1	3.83	0.5
Skaneateles	.....	.....	.....	5.70	.....
Southampton	63	23	43.6	6.82	
South Butler	78	17	41.6	5.16	0.8
South Canisteo	76	17	41.0	4.64	1.0
Southeast Reservoir	.....	.....	.....	5.19	
South Kortright	72	15	41.8	4.74	T.
South Schroon	72	12	37.6	5.80	6.1
Speer Falls	71	18	41.6	6.18	
Straits Corners	74[e]	17[e]	40.8[e]	4.56	T.
Ticonderoga	70	18	40.6	3.87	1.8
Volusia	75	17	41.2	2.51	1.0
Walton	73	16	41.8	5.19	0.7
Wappinger Falls	73	20	45.6	4.72	T.
Warwick	.....	.....	.....	3.34	
Watertown	74	11	40.2	3.82	3.5
Waverly	78	17	43.8	4.27	T.
Wedgwood	74	17	40.2	5.42	0.5
West Berne	78	16	40.8	5.15	
Westfield *b*	75	16	41.8	3.11	
Westfield *c*	.....	.....	.....	3.44	T.
Windham	70	17	42.5	4.47	T.
Youngstown	.....	.....	.....	2.27	
North Carolina.					
Brevard	76	19	53.9	17.10	T.
Brewers	75	21	53.1	9.91	T.
Bryson City	.....	.....	.....	8.69	
Chapelhill	79	27	56.7	10.89	
Currituck	.....	.....	.....	2.12	
Edenton	77	33	58.6	5.15	
Fayetteville	83	32	60.7	8.79	
Goldsboro	78	32	58.0	5.89	
Graham	.....	.....	.....	8.45	
Greensboro	74	27	55.0	8.12	
Henderson	75	39	57.0	10.74	
Hendersonville	73	25	52.4	10.56	T.
Henrietta	78	28	56.6	9.18	
Highlands	66	18	47.4	17.52	
Horse Cove	67	25	50.6	14.16	
Hot Springs	76	27	56.0	.....	
Jefferson	68	22	49.8	8.32	4.0
Kinston	81	34	60.0	8.05	
Lenoir	76	23	53.4	11.15	
Lexington	79	21	57.1	7.58	T.
Linville	64	17	45.1	9.55	4.0
Littleton	77	26	53.4	9.58	
Louisburg	78	30	56.9	7.42	
Lumberton	79	36	60.4	5.87	
Marion	75	25	53.2	9.26	0.5
Marshall	73[e]	23[e]	53.4[e]	7.10	
Mocksville	75	32[k]	54.6[e]	7.30	
Moncure	81	23	58.1	6.89	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
North Carolina—Cont'd.	°	°	°	*Ins.*	*Ins.*
Monroe	79	28	58.5	6.53	
Morganton	74	23	54.2	9.29	
Mountairy	73	23	53.0	7.53	
Murphy	.....	.....	.....	6.99	
Newbern	80	36	60.5	5.20	
Patterson *[1]	72	24	48.8	8.07	
Pittsboro	81	25	57.5	7.89	
Reidsville	77	26	54.8	6.56	
Rockingham	83	33	60.6	3.44	
Roxboro	76	24	54.6	8.18	
Salisbury	76	28	57.7	8.66	
Salem	76	24	54.2	6.63	
Saxon	76	20	52.6	6.75	
Selma	79	35	58.7	4.38	
Settle	75	28	55.2	9.47	
Sloan	79	35	59.8	6.21	
Soapstone Mount	77	23	54.2	7.92	
Southern Pines *a*	82	29	60.4	5.05	
Southern Pines *b*	79	31	59.8	4.95	
Southport	79	38	60.2	6.33	
Springhope	80	32	58.8	5.13	
Statesville	76	23	54.6	8.66	
Tarboro	78[e]	34[e]	59.6[e]	5.48	
Washington	80	37	60.9	5.24	
Waynesville	72	28	54.3	7.85	T.
Weldon *a*	77	32	54.9	6.26	
Weldon *b*	.....	.....	.....	6.09	
North Dakota.					
Amenia	52	2	25.6	0.50	5.0
Ashley	59	− 6	22.4	0.60	6.0
Berlin	57	− 6	23.2	1.56	15.6
Bottineau	46	−14	16.4	0.20	2.0
Buxton	49	− 6	24.6	1.17	11.7
Churchs Ferry	50	− 9	18.0	0.74	4.9
Coalharbor	80	− 7	21.8	0.35	3.5
Devils Lake	49	− 8	19.8	0.53	4.5
Dickinson [h]	68	− 6	28.8	T.	T.
Donnybrook	.....	.....	.....	0.50	5.0
Dunseith	57	−15	17.9	0.50	5.0
Edgeley	56	− 3	25.6	0.88	8.8
Elbowoods	63	− 8	20.5	.....	
Ellendale	58	− 3	27.1	0.70	7.0
Fargo	50	− 5	22.1	0.42	4.0
Forman	55	0	26.1	0.32	3.4
Fort Yates	73	− 5	27.0	0.41	4.1
Fullerton	55	− 6	23.9	1.17	11.7
Gallatin	53	−19	22.2	0.90	9.0
Glenullin	67	− 4	26.2	0.30	2.7
Grafton	51	− 1	21.6	0.80	7.0
Hamilton	50	− 5	19.6	1.58	6.2
Hannaford	55	−15	22.0	0.46	4.6
Jamestown	48	− 8	21.4	0.83	8.3
Larimore	55	− 6	20.4	0.70	6.0
McKinney	61	−24	15.5	.....	.....
Mayville	49	1	22.8	0.93	9.3
Medora	67	− 5	28.0	0.35	3.0
Melville	53	− 2	23.0	0.22	2.2
Milton	42	− 9	18.2	0.40	3.5
Minnewaukon	50	− 5	21.6	0.00	
Minot	67	− 5	22.0	0.60	6.0
Minto	53	− 3	20.6	1.19	10.3
Napoleon	62	− 7	23.6	0.55	4.5
New England	65	−10	25.8	0.20	2.0
Oakdale	63	− 2	24.3	0.45	4.0
Pembina	44	− 6	18.1	0.66	5.6
Portal	46	−17	12.0	0.70	7.0
Power	52	0	25.2	0.40	4.0
Steele	61	− 3	21.9	0.40	4.0
University	49	0	22.2	0.51	5.0
Wahpeton	56	6	29.2	0.48	3.0
Willow City	60[e]	−14[e]	18.0[e]	0.20	2.0
Woodbridge	46	−12	17.1	0.55	5.5
Ohio.					
Akron	75	22	45.4	2.69	0.8
Atwater	.....	.....	.....	4.20	T.
Bangorville	76	18	45.3	4.50	0.5
Bellefontaine	76	18	45.9	2.38	T.
Bement	.....	.....	.....	2.00	0.5
Benton Ridge	77	22	44.8	1.94	0.5
Bladensburg	78	17	45.8	3.70	
Blaine	.....	.....	.....	6.43	2.0
Bloomingburg	.....	.....	.....	5.06	T.
Bowling Green	78	21	43.6	1.97	T.
Bucyrus	76	20	45.8	2.50	T.
Cambridge	79	20	49.2	5.33	
Camp Dennison	80	19	49.5	5.63	
Canal Dover	76	21	46.6	4.44	
Canton	75	21	46.1	4.30	T.
Cardington	75	20	45.6	2.97	0.5
Cedarville	.....	.....	.....	4.10	
Centerburg	.....	.....	.....	5.11	0.5
Circleville	80	22	48.6	3.35	
Clarington	81	19	50.0	5.00	
Clarksville	77	22	49.0	4.79	T.
Cleveland *a*	76	22	44.8	2.43	0.5
Cleveland *b*	76	21	44.0	1.69	T.
Clifton	77	12	48.0	3.14	
Coalton	84	18	51.0	6.10	

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Ohio—Cont'd.	°	°	°	*Ins.*	*Ins.*
Colebrook	75	20	45.2	2.96	0.2
Coolville				4.12	T.
Coshocton				3.61	
Dayton *a*				3.15	T.
Dayton *b*	77	22	47.6	3.69	T.
Defiance	78	20	44.2	2.11	T.
Delaware	77	21	46.6	3.54	0.2
Demos	76	23	48.2	5.84	T.
Dunham				5.09	
Dunkirk				1.65	
Elyria	79	21	45.6	2.46	
Findlay	80	21	45.0	1.62	
Frankfort	79	21	49.0	4.42	
Fremont	79	24	45.2	2.05	
Garrettsville	76	19	45.5	3.67	1.2
Granville	78	21	48.2	4.15	T.
Gratiot	77	26	47.8	3.67	0.3
Green	79	20	52.1	3.45	
Greenfield	76	23	49.4	4.41	T.
Greenhill	76	17	45.7	4.48	0.1
Greenville	77	20	46.6	3.01	T.
Hanging Rock	81	19	52.7	4.14	
Hedges	76	21	44.0	2.30	
Hillhouse	78	16	42.2	1.75	T.
Hiram	74	17	44.5	3.58	2.0
Hudson	77	11	45.2	2.65	2.0
Jacksonboro	79	19	45.8	3.82	
Kenton	76	20	46.0	3.16	T.
Killbuck	77	19	46.6	3.89	T.
Lancaster	78	21	49.0	4.39	T.
Lima	76	21	45.0	1.90	T.
McConnelsville	80	21	49.4	4.85	T.
McCormick				4.89	T.
Manara	76	20	47.4	5.00	T.
Mansfield				2.69	
Marietta	79	25	50.4	5.15	
Marion	79	20	46.5	2.60	T.
Medina	77	20	45.7	2.26	T.
Milfordton	76	18	43.7	4.46	0.5
Milligan	76	20	48.8	3.47	
Millport	75	17	46.2	4.44	T.
Montpelier	75	18	42.6	1.66	T.
Napoleon	77	21	45.0	1.74	
New Alexandria	78	22	47.9	4.70	T.
New Berlin	75	20	46.0	3.51	T.
New Bremen	78	21	47.3	2.42	T.
New Lexington				4.19	T.
New Richmond	78	23	50.7	3.88	
New Waterford	76	18	46.0	5.34	
North Lewisburg	78	18	45.8	3.00	
North Royalton	76	19	44.9	2.00	1.0
Norwalk	78	23	44.8	2.62	0.5
Oberlin	78	22	45.3	2.33	T.
Ohio State University	75	22	47.0	4.28	T.
Orangeville	77	18	46.6	4.67	1.0
Ottawa	79	21	45.2	2.00	
Pataskala	77	20	47.3	5.05	0.3
Philo	78	20	49.0	4.17	T.
Plattsburg	78	19	46.6	3.69	T.
Pomeroy	81	23	52.2	4.09	
Portsmouth *a*				4.63	T.
Portsmouth *b*	85[f]	23	54.2[e]	4.62	T.
Pulse	78	20	50.2	3.57	
Redlion				2.61	
Richfield				2.61	1.0
Ripley	76	21	49.2	4.29	T.
Rittman	89	20	48.4	3.35	T.
Rockyridge	78	21	43.6	2.07	T.
Shenandoah	75	19	43.6	2.56	T.
Sidney	78	22	47.4	2.63	0.7
Somerset	79	20	50.2	1.50	T.
Springfield				3.01	T.
Strongsville				3.18	
Swanton				4.89	T.
Thurman	80	23	52.2	4.81	
Tiffin	75	23	44.4	2.58	0.2
Upper Sandusky	76	22	46.4	3.02	T.
Urbana	73	20	44.0	2.58	T.
Vickery	78	22	43.8	1.79	
Wadsworth				2.58	
Walnut				3.51	T.
Warren	79[f]	27	47.2[e]	4.03	1.6
Warsaw	77	17	46.8	4.41	0.2
Wauseon	80	20	43.4	2.51	1.0
Waverly	81	20	50.4	4.59	T.
Waynesville	77	21	47.6	5.19	
Wellington	77	22	46.2	2.62	T.
Willoughby				2.07	
Wooster	76	21	45.7	3.29	0.2
Zanesville				4.49	
Oklahoma.					
Beaver	80	−12	43.4	0.27	
Blackburn	81	12	48.4	4.38	1.0
Burnett	80	18	50.7	1.96	
Chandler	80	16	50.7	2.66	
Cleo	79	8	48.6	1.15	
Clifton	90	12	48.2	3.28	0.8
Cloud Chief	81	13	48.4	1.05	
Oklahoma—Cont'd.	°	°	°	*Ins.*	*Ins.*
Enid	77	14	47.6	2.15	
Fort Reno	82	15	48.4	4.10	
Fort Sill	76	21	49.4	2.22	0.2
Guthrie	79	17	47.6	3.23	1.0
Hennessey	80	14	48.0	2.22	
Jenkins	80	6	46.2	1.02	
Kenton	81	−13	42.0	0.10	0.5
Kingfisher	82	17	48.6	2.83	
Mangum	82	17	51.8	1.36	
Newkirk	76	15	47.6	2.38	
Norman	80[f]	18[e]	50.3[e]	2.22	1.5
Pawhuska	79	15	48.4	5.05	0.5
Perry	78	16	48.4	2.58	0.1
Sac and Fox Agency	80	24	53.4	4.26	0.2
Shawnee	82	18	52.2	2.12	
Stillwater	78	16	49.9	3.66	0.3
Taloga	84	24	48.6	2.15	
Temple	79	21	51.2	1.38	T.
Ural	82	9	46.9	2.71	0.1
Waukomis	79	16	48.4	2.03	
Weatherford	82	13	48.4	0.84	
Oregon.					
Albany *b*				2.92	
Alpha	73	23	44.8	6.82	
Arlington	74	24	44.8	0.61	1.0
Ashland	69	26	44.6	2.28	5.7
Astoria	62	30	44.7	9.48	0.8
Aurora (near)	70	24	44.3	3.06	T.
Bay City	64	27	43.2	12.28	0.3
Bend	66	15	35.8	1.02	9.0
Beulah	65	8	38.6	1.36	4.0
Blackbutte	67	24	43.2	6.30	
Blalock	75	25	46.6	0.34	0.1
Bullrun				4.87	
Cascade Locks	67	28	44.4	3.89	T.
Coquille				9.03	
Corvallis	70	24	44.4	2.68	T.
Dayville	74	17	42.4	1.16	9.0
Doraville	70	24	41.6	5.90	7.0
Drain	76	26	47.4	4.02	
Ella				0.68	T.
Eugene	67[h]	27[h]	42.6[h]	3.64	
Fairview	72	28	46.4	6.41	2.0
Falls City	68	25	41.4	9.74	
Forestgrove	64	22	42.8	5.69	
Gardiner	72	30	48.4	9.58	
Glenora	77	23	41.7	14.93	13.0
Government Camp	62[e]	3[e]	32.0[e]	3.71[e]	19.0
Grants Pass	78	22	45.8	4.72	
Grass Valley	68	15	38.3	0.57	0.5
Heppner	72	17	43.4	0.99	5.0
Hood River (near)	71	23	43.0	2.50	T.
Huntington	64	11	42.7	1.93	8.0
Jacksonville	76	22	49.0	4.64	
Joseph	58	12	34.0	1.96	15.0
Kerby	74	21	44.3	9.79	T.
Klamath Falls	67	8	37.8	1.18	1.5
Lagrande	60	13	37.9	0.79	10.0
Lakeview	62	−2	34.4	1.93	8.1
Lonerock	68	13	37.3	1.61	17.3
McKenzie Bridge	77	21	43.8	5.88	4.0
McMinnville	70	26	44.6	3.69	0.4
Monroe	69	23	44.5	4.96	T.
Mount Angel	69	26	44.3	3.41	
Nehalem				10.81	1.0
Newport	65	30	45.8	7.59	
Pendleton	75	18	42.5	1.35	4.0
Placer				4.50	0.5
Riverside				1.02	4.0
Salem	67	29	45.3	2.73	
Silverlake	70	5	37.4	1.15	7.5
Sparta	56	9	34.8	3.10	13.0
Stafford	70	24	43.6	3.84	2.0
The Dalles	70	25	45.2	0.56	1.4
Toledo	74	27	46.0	7.59	
Umatilla	76	22	46.3	0.28	T.
Vale	68	18	40.8	1.43	5.0
Wallowa	65	14	37.8	1.99	10.1
Wamic	68	15	39.3	1.03	7.0
Warm Spring	71	21	42.3	0.80	5.5
Weston	69	10	39.3	1.83	15.5
Williams	72	20	45.0	5.28	T.
Pennsylvania.					
Aleppo	78	21	49.6	4.81	
Altoona	77	20	46.0	4.38	
Athens	76	20	43.3	4.33	T.
Beaver Dam				4.34	
Bellefonte	80	22	49.4	4.16	
Brookville				5.62	
Browers				3.66	
Butler	74	20	46.6	4.38	
California	83	22	50.5	3.98	0.1
Cassandra	75	18	44.8	3.47	4.0
Centerhall	74	21	46.2	3.90	
Clarion				5.66	T.
Coatesville	74	23	48.4	3.60	
Coudersport				4.25	
Confluence				3.06	1.9
Pennsylvania—Cont'd.	°	°	°	*Ins.*	*Ins.*
Davis Island Dam				4.99	
Derry Station	79	20	48.6	4.02	0.5
Doylestown				4.98	
Dushore	69	17	41.6	3.36	T.
Dyberry	71	14	41.2	5.11	T.
East Bloomsburg				2.81	
East Mauch Chunk	75	20	46.2	5.50	
Easton	68	25	46.8	4.44	
Ellwood Junction				4.50	T.
Emporium	77	20	45.7	4.84	T.
Ephrata	70	22	47.8	3.87	
Everett	73[e]	22[e]	45.9[e]	4.07	
Forks of Neshaminy				3.88	
Franklin	78	19	48.8		
Freeport	79	21	49.6	4.95	T.
Girardville				4.72	
Grampian	76	17	45.7	4.89	T.
Greensboro				4.32	T.
Greenville	79	21	46.0	5.10	1.0
Hamburg	70	20	47.2	4.54	
Hamlinton	72	18	41.8	5.34	
Herrs Island Dam				5.12	
Huntingdon *a*				3.94	
Huntingdon *b*	77	21	48.0	4.13	
Indiana	75	19	47.8	4.40	
Irwin	80	19	49.0	5.05	T.
Johnstown	80	23	48.6	3.72	T.
Keating				4.67	T.
Kennett Square	71	19	47.4	3.89	T.
Lansdale				3.08	
Lawrenceville	80	19	42.8	4.67	
Lebanon	70	22	47.8	4.65	T.
Leroy	73	19	42.2	4.37	T.
Lewisburg	71	23	46.2	3.32	
Lockhaven *a*	80	22	48.2	3.97	
Lockhaven *b*				4.06	T.
Lock No. 4				4.72	0.2
Lycippus	79	21	48.1	3.42	
Mifflin				3.71	
Milford	71	15	45.1	4.42	T.
Oil City				5.06	0.5
Ottsville				3.98	
Parker				5.52	T.
Philadelphia	72	29	50.3	4.93	
Pocono Lake	67[c]	17[c]	40.6[c]	5.58	
Point Pleasant				4.55	
Pottsville				5.81	
Quakertown	73	23	47.8	4.02	
Reading	72	25	48.8	4.42	
Renovo *a*	78	22	46.0	4.59	
Renovo *b*				4.45	
Saegerstown	78	16	44.9	4.44	T.
St. Marys	74[d]	18[d]	42.6[d]	2.50	0.5
Saltsburg				3.97	0.4
Seisholtzville				4.74	
Selinsgrove	71	25	47.6	3.29	
Shawmont				4.16	
Smethport	75	18	43.5	4.00	T.
Smiths Corners				4.59	
Somerset	80	18	45.4	4.84	
South Bethlehem	72	26	47.6	4.87	
South Eaton	71	20	45.5	4.83	
Spring Mount				3.53	
State College	72	21	44.9	4.18	
Sunbury				4.10	
Swarthmore	73	24	48.3	4.62	
Towanda	75	21	43.9	3.83	T.
Troutrun				5.56	
Uniontown	80	28	51.2	3.84	2.0
Warren	76	18	43.7	4.09	0.3
Wellsboro	75	20	45.1	5.19	T.
Westchester	72	24	48.6	4.09	
West Newton				4.80	T
Wilkesbarre	73	21	45.8	4.33	
Williamsport	70	25	47.8	3.96	
York	73	25	48.9	4.72	T.
Rhode Island.					
Bristol	57	24	43.4	6.90	
Kingston	68	16	42.6	9.19	
Pawtucket	73	25	46.8	6.28	
Providence *a*	71	25	47.0	8.17	T.
Providence *c*	71	20	44.1	8.38	
South Carolina.					
Allendale	80	38	62.2	7.90	
Anderson	77	31	57.8	5.65	
Barksdale	74[l]	30[l]	55.2[l]	6.30	
Batesburg	82	31	60.3	11.14	
Beaufort	80	38	63.9	6.31	
Bennettsville	83	34	61.6	4.63	
Blackville	82	38	62.4	3.47	
Bowman	83	36	62.5	1.53	
Calhoun Falls				6.93	
Camden				6.44	
Cheraw *a*	79	34	60.2	5.01	
Cheraw *b*				5.40	
Clarks Hill	80	35	61.2	7.31	
Clemson College	76	26	56.6	8.21	
Conway	80	38	62.8	5.59	

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.*
South Carolina—Cont'd.					
Darlington	81	35	61.2	3.80	
Duewest	75	33	59.0	7.01	
Edisto				4.59	
Effingham				6.28	
Florence	80	37	61.0	8.74	
Gaffney	80	28	56.8	9.42	
Georgetown	80	42	63.8	6.00	
Gillisonville	82	37	62.8	4.08	
Greenville	78	28	54.3	7.35	
Greenwood	78	32	57.6	6.46	
Heath Springs	80	31	57.7	5.38	
Kingstree *b*				5.80	
Liberty	77	28	57.0	7.56	
Little Mountain	81	32	60.3	8.73	
Longshore	80	33	59.6	8.03	
Pinopolis *[1]	82	41	62.2	3.71	
St. Stephens				5.53	
Saluda [e]	82	32	62.4	6.80	
Santuck	80	27	57.9	8.19	
Seivern	84	31	60.4	3.19	
Smiths Mills				6.17	
Society Hill	79	36	60.8	3.37	
Spartanburg	77	27	56.2	8.68	
Statesburg	82	36	62.2	4.25	
Summerville	82	39	62.5	3.09	
Sumter	80	39	62.4	4.10	
Temperance	78[d]	37[d]	59.8[d]	7.05	
Trenton	78	35	60.6	7.57	
Trial	81	38	62.1	4.40	
Winnsboro	78	33	59.2	6.56	
Winthrop College	78	30	58.4	7.38	
Yorkville	80	32	59.2	9.18	
South Dakota.					
Aberdeen	62	1	29.4	1.42	5.5
Academy	71	4	32.7	1.23	0.8
Alexandria	72	5	32.5	1.25	
Armour	68	10	32.6	2.06	0.5
Ashcroft	74	3	32.0	0.50	5.0
Bowdle	63	3	27.2	0.20	2.0
Brookings	63	5	30.6	1.87	
Canton	68	10	34.6	2.31	
Cavite	78	1	33.5	1.00	
Centerville				2.23	3.4
Chamberlain	77	4	33.1	0.58	1.2
Cherry Creek	75	−7	31.2	0.65	
Clark	64	−4	27.4	1.25	T.
Doland	63	0	29.8	1.46	2.3
Elkpoint	69	11	36.6	1.75	0.5
Fairfax	67	4	34.8	0.00	
Farmingdale				0.49	T.
Faulkton	62	−1	26.6	0.97	5.0
Flandreau	62	7	31.5	1.51	0.7
Forestburg	67	3	30.9	1.55	T.
Fort Meade	72	−7	31.8	1.70	16.0
Gannvalley	68	2	31.2	0.80	1.0
Gary	63	6	29.4	2.26	
Grand River School	73	−6	29.4	0.27	8.0
Greenwood	73	11	35.8	0.86	T.
Highmore				0.87	4.5
Hotch City	76	−3	30.2	0.36	0.3
Howard	69	3	33.2	1.21	0.1
Howell	64	−3	28.0	1.10	3.0
Interior	73	0	33.6	0.40	4.0
Ipswich	58	−5	26.0	0.40	3.0
Kimball	67	4	31.4	1.23	2.0
Leola	60			0.50	6.0
Marion	68	9	33.8	1.78	
Mellette	63	−1	28.9	0.32	T.
Menno	70	6	33.7	1.65	0.5
Millbank	60	3	29.3	1.23	
Mitchell	70	5	32.0	0.99	T.
Oelrichs	72	−12	31.9	1.25	12.5
Pedro	71	−15	31.5	0.43	
Pine Ridge	71	−9	33.6	0.20	3.0
Plankinton	67	5	35.6	0.87	1.0
Ramsey	65	4	31.6	1.25	T.
Redfield	66	1	26.0	1.44	4.5
Rosebud	74	0	33.2	0.53	2.5
Silver City				1.82	16.0
Sioux Falls	67	8	32.6	2.13	
Sisseton Agency	55	0	27.2	0.74	2.0
Spearfish	66	−1	29.7	3.98	29.5
Tyndall	73	7	34.1	0.70	
Vermilion	71	10	35.8	2.36	T.
Watertown	63	1	28.7	0.53	0.3
Waubay	56	−12	27.6	0.95	
Wentworth	66	4	31.6	1.29	
Wolsey				1.18	1.2
Tennessee.					
Andersonville	80	25	54.8	7.91	
Ashwood	77	27	54.8	5.74	
Benton	79	25	56.8	8.74	
Bluff City				4.56	
Bolivar	79	22	54.6	3.66	
Bristol	78	21	52.8	4.12	T.
Byrdstown	79	23	54.5	6.91	
Carthage	82	30	56.9	6.73	
Callettsburg				8.06	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	*Ins.*	*Ins.*
Tennessee—Cont'd.					
Charleston				8.66	
Clarksville	78	28	53.7	5.25	
Clinton				7.60	
Covington	78	28	53.6	4.73	
Decatur	78	26	56.2	12.12	
Dickson [1]	77	26	55.0	2.18	
Elizabethton	78	23	55.3	4.77	
Erasmus	75	19	52.8	6.38	T.
Florence	76	27	54.5	5.17	
Franklin	80	28	54.4	5.22	T.
Grace *[1]	80	28	58.0	7.24	
Greeneville	76	22	54.0	5.94	T.
Halls Hill				6.00	
Harriman	78	26	54.2	6.93	
Hohenwald	78	23	53.2	5.14	
Iron City	77	24	55.2	5.66	
Isabella	71	28	53.8	7.94	T.
Jackson	79	26	55.2	3.47	
Johnsonville	80	25	54.6	6.51	
Jonesboro	77	23	54.4	6.77	
Kenton	80	28	54.4	5.45	T.
Kingston				6.84	
Leadvale				5.64	
Lebanon	78	26	53.6	6.27	
Lewisburg	78	27	54.8	4.02	
Liberty	83			6.20	
Lynnville	77	30	55.8	4.26	
McKenzie	81	32	56.4	4.67	
McMinnville	78	25	55.5	6.79	T.
Maryville	78	27	56.0	8.14	
Newport	81	27	56.4	5.87	
Nunnelly	79	24	54.0	4.52	
Oakhill	76	25	55.5	7.64	
Palmetto	77	29	55.7	5.58	
Pope	81	23	55.6	4.56	
Rogersville	81	24	56.0	5.44	
Rugby	77	18	52.6	8.29	
Savannah	81	28	57.2	4.41	
Sewanee	72	25	53.0	5.75	
Silverlake	72	19	50.7	5.79	T.
Springdale	78	26	55.1	6.65	
Springville	80	25	54.4	5.12	T.
Tazewell				5.87	
Tellico Plains	79	27	57.0	7.75	T.
Tracy City	73	25	54.0	5.88	
Trenton	80	27	54.8	5.05	T.
Tullahoma	78	26	55.4	5.49	
Union City	80	26	54.8	5.34	T.
Waynesboro	78	26	55.2	3.44	
Wildersville	77	30	55.4	4.67	T.
Yukon	77	30	55.8	5.32	
Texas.					
Albany	78	25	51.8	1.97	
Alvin				7.65	
Anson				1.15	
Arthur				5.47	
Austin *a*	78	34	61.9	1.87	
Ballinger	82	24	52.8	0.80	0.7
Bastrop	79	32	60.7	3.10	
Beaumont	83	40	62.0	8.66	
Beeville	80	39	61.3	6.10	
Bigspring	89	22	55.0	0.24	T.
Blanco	74	30	53.6	1.99	
Boerne *[1]	78	32	55.8	2.21	
Bonham	79	25	55.4	6.38	T.
Booth				6.14	
Bowie	82	22	52.2	2.42	T.
Brazoria	79	42	63.4	6.81	
Brenham	78	35	59.1	3.25	
Brighton	75	43	62.7	6.11	
Brownwood	88	40	61.2	1.50	
Burnet	82	28	56.8	1.86	
Camp Eagle Pass	93	24	59.0	0.25	
Childress	80	18	50.5	0.93	
Coleman	84	25	54.2	0.95	0.7
College Station	79	34	60.2	2.06	
Colorado [f]	79	26	55.8	0.98	
Columbia	76	40	62.8	9.29	
Comanche	81	24	53.1	1.43	T.
Corsicana	83	30	58.9	3.37	
Cotulla	80	42	62.6	4.26	
Cuero	86	35	61.4	3.14	
Dallas	81	27	53.8	5.14	
Danevang	79	28	61.5	7.25	
Dublin	74	24	51.8	1.93	
Duval	76	31	58.3	1.90	
Estelle	78	27	55.2	2.91	
Fort Brown	85	38	64.9	6.46	
Fort Clark	78	29	54.3	0.90	
Fort Davis	81	15	51.2	T.	T.
Fort McIntosh	93	36	60.5	2.44	
Fort Ringgold	91	36	65.0	2.00	
Fort Stockton				0.04	
Fredericksburg	84	30	56.0	2.21	
Gainesville	79	24	53.1	2.41	0.2
Gatesville	90	31	57.5	1.96	
Georgetown	78	30	57.0	2.46	
Grapevine	77	26	54.7	1.48	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	*Ins.*	*Ins.*
Texas—Cont'd.					
Greenville	81	30	57.4	3.60	
Hale Center	85	18	50.7	T.	T.
Hallettsville	79	36	62.4	2.73	
Haskell	85	22	53.4	1.29	
Hearne	84	32	63.8	2.56	
Henrietta	77	21	52.0	2.70	1.0
Hewitt				3.05	
Hondo				2.36	
Houston	82	40	62.2	6.80	
Huntsville	79	35	58.0	5.67	
Ira	88	21	53.0	0.47	T.
Jacksonville	78	29	58.2	3.76	T.
Jasper	80	37	62.4	7.60	
Junction				0.71	T.
Kaufman	88	29	58.0	4.51	
Kent				0.05	T.
Kerrville				0.30	
Kopperl				3.43	
Lampasas	84	28	54.8	3.64	
Lapara				6.57	
Laureles Ranch				6.84	
Llano				0.60	T.
Longview	80	31	58.6	3.62	
Luling	78	32	58.8	1.55	
Mann	80	30	57.9	4.41	
Marlin	85	32	56.4	2.33	
Menardville	79	24	52.6	0.76	
Mount Blanco	83	17	49.7	T.	T.
Nacogdoches	80	34	58.7	5.05	
New Braunfels	77	35	59.4	1.38	
Panter				1.96	
Pearsall	82	38	60.6	2.75	
Port Lavaca	79	40	62.9	5.43	
Rhineland	82	21	51.0	1.46	
Rockisland	78	40	62.1	3.62	
Rockport	69	39	55.6	11.21	
Runge	82	37	61.2	3.13	
Sanderson	75	33	56.3	0.10	
San Marcos	78	34	59.1	2.60	
San Saba	62	27	55.4	1.28	T.
Sherman	70	26	52.6	3.25	T.
Sonora	89	26	55.3	0.56	T.
Sugarland	80	42	64.2	8.16	
Sulphur Springs	80	27	57.0	5.22	
Temple *a*	76	28	54.8	3.21	
Temple *b*	77	28	55.6	2.96	
Trinity	80	33	60.8	6.64	
Tyler	81	29	57.3	4.18	
Victoria	79[e]	38[e]	62.6[e]	4.17	
Waco	85	30	57.8	2.90	
Waxahachie				4.61	
Weatherford	77	25	53.4	2.17	
Wharton	78	38	62.4	5.40	
Wichita Falls				2.30	1.0
Utah.					
Aneth	71	17	44.8	1.54	
Blackrock	70	−1	38.8	2.00	16.5
Bluecreek *[1]	70	10	42.8	0.30	2.0
Castledale	74	−1	36.2	0.57	
Cisco	60	8	39.9	1.00	
Corinne	68	4	39.5	1.06	2.5
Deseret	71	−9	39.6	0.40	4.0
Emery	63	5	35.1	0.26	2.6
Farmington	65	11	40.6	1.59	12.7
Fillmore	71	4	41.1	1.19	
Fort Duchesne	62	−12	28.3	0.08	0.8
Frisco	64	14	37.7	0.68	
Garrison	72	8	40.8	0.20	2.0
Giles	67	8	37.3	0.26	
Government Creek	62	2	36.4	2.12	15.1
Green River	75	18	46.2	0.02	0.2
Grover	61	0	35.0	0.36	T.
Heber	62	−10	33.3	1.95	
Henefer	64	−14	32.7	1.93	15.2
Hite	75	18	48.6	0.64	
Huntsville				2.01	18.0
Ibapah	68	−8	36.2	1.12	0.1
Kanab	65	20	43.8	5.55	2.0
Kelton	65	1	35.2	0.40	4.0
La Sal	55	11	34.4	1.01	T.
Levan	62	2	35.2	1.33	12.4
Loa	59	0	29.4	0.41	2.0
Logan	64	−3	36.2	0.52	
Lund	66	10	39.0	1.20	3.6
Manti	62	3	35.5	1.16	9.5
Marysvale	63	0	36.8	0.66	6.6
Meadowville	48	−21	21.9	1.25	13.5
Millville				1.69	
Minersville	67	5	39.2	1.10	13.0
Moab	70	14	45.0	0.91	T.
Monticello	81	5	35.8	2.61	15.0
Morgan	71	−9	34.8	1.14	9.2
Mount Nebo	65	3	38.6	1.61	7.5
Mount Pleasant	60	11	37.4	1.40	14.0
Ogden *a*	67	7	39.6	1.38	11.0
Park City	62	0	33.0	2.60	24.5
Parowan	64	1	38.0	1.94	16.3
Pinto	59	−9	34.0	1.57	19.0

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.
Utah—Cont'd.	°	°	°	*Ins.*	*Ins.*
Plateau	56	−17	30.7	1.02	11.5
Promontory	.....	.....	.....	0.73	2.8
Provo	68	7	40.6	1.80	11.3
Ranch	58	− 5	29.6	4.31	
Richfield	68	9	40.4	0.57	3.0
St. George	80	12	48.7	0.99	
Scipio	66	0	38.2	1.59	6.0
Snowville	63	−10	35.3	0.57	
Soldier Summit	52	.....	.....	0.20	2.0
Terrace	68	4	37.9	0.75	7.5
Thistle	67	5	38.1	.....	
Tooele	70	9	40.6	1.80	
Tropic[m]	62	19	40.0	0.32	1.0
Vernal	64	− 5	33.5	1.02	6.9
Wellington	65[e]	3[e]	36.0[e]	0.76	2.5
Woodruff	50[f]	−32	19.8[e]	0.90	9.0
Vermont.					
Bellows Falls	.....	.....	.....	5.00	0.5
Burlington	70	8	40.0	3.53	1.0
Cavendish	74	13	39.8	4.28	3.9
Chelsea	65	5	35.2	5.03	8.0
Cornwall	72[f]	7[f]	41.4[f]	3.79	3.0
Enosburg Falls	74	− 4	36.9	5.08	5.0
Jacksonville	71	9	37.9	5.78	8.0
Manchester	70	17	41.0	3.54	4.6
Morrisville	76	− 5	38.0	7.58	6.9
Norwich	74	10	37.8	4.43	2.0
St. Johnsbury	75	− 1	38.8	5.13	1.5
Wells	68	12	38.8	6.45	3.0
Wells River	.....	.....	.....	4.93	
White River Junction	.....	.....	.....	4.90	0.5
Woodstock	73	9	40.9	4.33	.....
Virginia.					
Alexandria	75	32	51.2	5.45	
Ashland	76	23	53.2	5.20	
Barboursville	81	24	54.0	5.26	T.
Bedford	79	29	53.6	5.63	T.
Bigstone Gap	81	22	54.8	5.06	
Blacksburg	72	22	47.2	5.68	0.5
Bluemont	72	31	54.0	3.75	T.
Bonair	75	25	53.1	6.27	
Boykins	.....	.....	.....	5.50	
Buckingham	78	23	52.0	6.88	
Burkes Garden	68	16	46.8	6.56	
Callaville	76	26	52.0	9.85	
Charlottesville	74	24	52.9	4.51	T.
Clarksville	.....	.....	.....	7.14	
Columbia	77	16	51.1	5.00	
Dale Enterprise	74	19	49.6	4.06	0.5
Danville	.....	.....	.....	5.80	
Fredericksburg	78	20	52.0	7.31	
Hampton	75	32	53.8	5.61	
Hot Springs	73	17	48.0	5.03	
La Crosse	76	27	55.5	7.80	
Lexington	78	20	52.0	5.45	
Lincoln	74	22	49.7	3.95	
Manassas	74	23	49.6	6.28	
Marion	76[e]	19[e]	52.6[e]	4.75	
Mendota	.....	.....	.....	5.37	
Newport News	78	30	54.0	5.95	
Petersburg	77	25	53.7	8.11	T.
Quantico	69	22	50.2	.....	
Radford	.....	.....	.....	3.20	
Riverton	.....	.....	.....	3.29	
Roanoke	72	22	50.3	7.25	1.5
Rockymount	71	22	49.3	7.64	
Saxe	78	18	33.5	6.39	T.
Shenandoah	.....	.....	.....	4.05	T.
Speers Ferry	.....	.....	.....	6.18	
Spottsville	78	26	53.8	6.71	T.
Stanardsville	74	23	52.7	5.13	
Staunton	74	25	52.1	4.93	2.0
Stephens City	77	21	50.3	3.63	
Warsaw	78	20	53.1	6.56	
Westpoint	76	20	51.6	6.35	T.
Wilkerson	76	23	51.9	5.92	
Williamsburg	74	27	53.0	6.37	
Woodstock	76	21	50.6	3.65	T.
Wytheville	75	22	50.5	5.08	4.0
Washington.					
Aberdeen	70	27	43.0	6.98	3.0
Anacortes	.....	.....	.....	3.46	4.0
Ashford	.....	.....	.....	7.85	17.0
Blaine	58	21	39.2	3.58	6.5
Bremerton	65	21	40.4	7.97	13.0
Brinnon	65	24	41.4	10.72	10.2
Cedonia	57	8	33.8	1.99	7.0
Centralia	74	18	42.0	6.98	4.0
Cheney	.....	.....	.....	0.70	4.5
Clearbrook	67	16	39.8	4.88	10.0
Clearwater	65	25	41.2	8.78	
Cle Elum	62	11	35.2	1.38	T.
Colfax	67	20	40.8	1.22	
Colville	67	8	37.4	1.61	0.1
Conconully	58	− 2	31.2	1.14	3.7
Connell	.....	.....	.....	0.25	1.0
Coupeville	67	25	41.2	3.38	4.8
Crescent	64	12	35.8	1.26	4.0
Washington—Cont'd.	°	°	°	*Ins.*	*Ins.*
Dayton	72	24	42.3	2.82	9.2
East Sound	59	21	39.1	4.58	7.0
Ellensburg	68	17	39.0	0.27	T.
Grandmound	73	14	40.6	7.08	2.5
Granite Falls	.....	.....	.....	4.10	6.0
Hooper	73	22	42.6	0.85	1.0
Ilwaco	67	24	43.0	8.19	0.5
Lacenter	70	22	42.0	5.25	1.2
Lakeside	56	17	37.0	0.88	1.0
Lind	70	20	41.5	1.23	3.0
Loomis	58	11	35.2	1.70	7.0
Mayfield[m]	71	20	41.1	5.10	5.0
Mottinger Ranch	78	25	46.3	0.45	0.0
Mount Pleasant	69	25	44.5	3.58	4.0
Moxee	70	16	41.2	0.42	T.
Odessa	65	13	37.4	.....	0.5
Olga	56	25	40.8	3.50	5.5
Olympia	71	20	42.5	7.77	1.0
Pinehill	68	18	42.8	1.36	3.0
Pomeroy	73	21	42.1	1.81	7.8
Port Townsend	61	28	41.4	2.52	4.3
Pullman	66	21	38.2	2.08	7.8
Rattlesnake Mountains	63[b]	20[h]	35.3[b]	1.21	2.0
Republic	62	0	34.0	1.68	5.5
Ritzville	.....	.....	.....	0.37	2.5
Ritzville (near)	.....	.....	.....	0.89	2.0
Rosalia	64	21	37.3	1.68	4.8
Sedro-Woolley	69	21	41.6	5.28	10.0
Silvana	65	18	40.4	2.49	8.0
Snohomish	61	20	40.8	4.88	11.0
Snoqualmie	69	27	42.4	4.30	T.
Southbend	70	22	42.6	9.68	4.0
South Ellensburg	66	16	37.5	1.01	2.0
Sprague	.....	.....	.....	0.30	
Sunnyside	70	17	42.4	0.31	0.3
Trinidad	67	20	42.2	0.25	
Union	68	22	41.8	8.69	8.4
Usk	63[c]	3[c]	34.2[c]	3.22	6.5
Vancouver	75	26	44.9	4.07	2.0
Vashon	65	27	41.5	5.96	
Waterville	50	4	29.8	0.63	2.0
Wenatchee (near)	60	14	37.4	1.23	8.0
Whatcom	64	19	41.6	3.18	7.0
Wilbur	62	12	34.8	0.87	0.5
West Virginia.					
Bayard	73	18	45.2	4.20	1.0
Beckley	75	20	49.4	3.29	
Beverly	74	14	48.0	3.99	1.0
Bluefield	.....	24	51.4[e]	4.53	
Buckhannon	80	20	49.9	3.93	
Burlington	83	24	48.8	2.85	0.2
Byrne	87	19	54.0	5.08	T.
Cairo	84	18[f]	55.0[d]	3.30	T.
Camden	77	22	51.2	4.37	
Central	82	18	51.0	4.00	T.
Chapel	82	20	53.1	5.94	
Charleston *a*	87	22	58.3	.....	
Charleston *b*	.....	.....	.....	4.56	
Creston	83	19	51.1	3.79	
Cuba	82	23	53.4	4.83	T.
Dayton	80	20	50.6	6.59	T.
Echo	85	20	54.4	3.62	
Elkhorn	77	21	53.2	4.96	
Fairmont	.....	.....	.....	5.40	T.
Glenville	82	19	51.0	4.78	T.
Grafton	82	21	51.2	5.77	T.
Green Sulphur	78	18	50.7	3.65	
Harpers Ferry	.....	.....	.....	5.24	
Hinton	76	21	53.1	4.96	
Huntington	81	21	51.8	4.38	
Leonard	70	17	47.8	5.29	T.
Lewisburg	71	19	49.2	4.58	T.
Lillydale	75	18	52.0	4.49	T.
Logan	85	23	57.4	6.10	
Magnolia	77	18	49.2	3.00	
Mannington[b]	80	26	52.4	3.40	
Martinsburg	76	22	47.4	3.35	T.
Morgantown	79	23	50.8	4.28	T.
Moscow	78	22	49.1	3.40	T.
Moundsville	81	24	51.6	3.67	T.
New Martinsville	83	25	51.4	4.85	T.
Nuttallburg	82	13	53.4	5.25	T.
Oceana	79	21	53.8	5.18	
Oldfields	79	17	49.2	2.70	T.
Philippi	80	20	50.2	5.36	T.
Pickens	78	12	49.6	6.11	2.0
Point Pleasant	84	28	51.8	4.35	T.
Powellton	83	26	55.4	4.91	
Princeton	74	20	50.6	8.20	
Romney	81	23	49.3	3.27	2.0
Rowlesburg	.....	.....	.....	5.06	
Ryan	83	18	52.6	3.81	
Smithfield[g]	79	26	52.8	5.51	
Southside	81	25	54.0	4.14	
Terra Alta	76	16	45.8	4.60	1.0
Travellers Repose	72	13	45.4	5.47	1.0
Uppertract	78	21	50.3	2.96	3.0
Webster Springs	81	22	54.6	2.02	0.2
West Virginia—Cont'd.	°	°	°	*Ins.*	*Ins.*
Wellsburg	75	22	47.4	5.20	
Weston	.....	.....	.....	4.78	0.6
Wheeling *a*	.....	.....	.....	3.09	0.5
Wheeling *b*	80	26	52.8	4.89	.....
Williamson	84	22	54.4	5.11	
Wisconsin.					
Amherst	73	3	37.0	2.19	2.0
Antigo	66	2	32.9	2.31	
Appleton	68	6	36.2	3.64	3.2
Ashland	.....	.....	.....	1.98	T.
Barron	60	− 4	32.5	2.52	1.4
Beloit	72	12	40.8	2.74	T.
Brodhead	74	11	40.7	3.58	2.0
Butternut	57	− 6	30.0	3.27	5.0
Chilton	72	5	36.6	3.31	3.3
Darlington	67	8	37.3	2.14	0.2
Delavan	74	9	39.6	3.41	T.
Dodgeville	73	5	39.8	.....	4.0
Downing	64	0	33.4	2.06	1.0
Easton	74	4	37.9	2.85	4.0
Eau Claire	62	3	36.0	2.10	2.0
Florence	62	2	32.4	4.05	6.0
Fond du Lac	72	7	40.2	1.95	T.
Grand Rapids	72	1	37.3	.....	
Grand River Locks	.....	.....	.....	3.24	4.0
Grantsburg	59	− 5	30.6	2.17	2.0
Hancock	72	3	36.6	2.85	.....
Harvey	74	14	39.4	2.57	2.4
Hayward	59	− 8	30.6	0.92	6.0
Hillsboro	71	3	36.4	2.35	8.0
Koepenick	64	− 5	34.9	2.50	4.0
Lancaster	73	6	38.0	1.56	6.0
Madison	68	7	38.1	3.50	3.7
Manitowoc	62	9	36.9	2.18	2.0
Meadow Valley	73	0	36.9	1.53	2.0
Medford	65	− 4	35.4	2.35	
Menasha	.....	.....	.....	3.08	2.0
Neillsville	64	0	36.4	2.06	
New London	72	4	37.2	3.39	2.0
Oconto	70	6	37.9	3.61	2.5
Osceola	59	− 5	31.5	2.09	3.0
Oshkosh	72	5	38.8	3.10	1.0
Pine River	73	3	37.8	2.34	3.1
Portage	72	8	39.8	2.64	4.0
Port Washington	60	14	38.2	2.70	3.5
Prairie du Chien *a*	75	9	38.2	2.13	5.3
Prairie du Chien *b*	.....	.....	.....	2.32	7.0
Racine	72	11	40.0	2.71	
Sheboygan	64	9	38.5	2.36	1.0
Spooner	59	8	30.0	2.19	4.0
Stevens Point	72	0	36.8	2.43	
Tomahawk	62	12	33.2	2.55	1.5
Valley Junction	73	4	38.2	2.24	.....
Viroqua	70	8	36.7	1.52	5.0
Watertown	73	17	38.4	2.22	1.7
Waukesha	73	8	39.6	2.86	2.0
Waupaca	71	3	36.8	2.48	2.0
Wausau	61	1	36.3	2.19	
Whitehall	67	2	38.8	2.17	
Wyoming.					
Afton	52	−20	26.9	0.70	7.5
Alcova	58[l]	7	32.5[f]	0.62	10.0
Basin	72	− 4	34.0	T.	T.
Bedford	52	−19	27.5	0.54	
Border	50	−33	19.2	1.13	
Buffalo	68	0	31.0	0.49	3.5
Centennial	47	−13	23.9	1.24	10.9
Chugwater	68	−12	32.8	0.97	9.0
Daniel	48	−30	17.0	0.80	8.0
Evanston	52	−11	25.2	0.44	7.0
Fort Laramie	70	7	35.0	1.31	19.0
Fort Washakie	66	− 9	30.8	1.80	18.0
Fort Yellowstone	54	− 3	28.6	0.85	7.0
Fourbear	58	− 8	27.0	0.66	6.7
Griggs	66	1	33.4	0.46	4.6
Hyattville	70	2	34.2	0.75	7.5
Irma	66	− 1	32.8	0.10	1.0
Iron Mountain	60	− 3	32.2	0.77	
Kimball Ranch	67	4	29.6	0.09	0.8
Laramie	58	− 8	29.3	1.09	8.0
Leo	55	− 4	29.0	0.62	2.5
Lolabama Ranch	55	− 6	26.2	0.29	5.0
Lusk	63	− 3	29.6	1.10	11.0
Moorcroft	65	−16	29.4	1.25	4.0
Moore	60	4	32.9	1.12	22.2
Parkman	68[d]	− 2[d]	27.4[d]	0.28	
Pinebluff	67	3	32.4	0.40	4.0
Rawlins	53	− 2	29.8	1.42	13.2
Red Bank	63	0	31.2	2.05	
Rocksprings	60	1	30.2	0.40	4.0
Saratoga	57	− 8	30.6	2.45	23.0
South Pass City	52	−15	21.0	2.60	26.0
Thayne	47	−23	25.4	0.63	3.8
Thermopolis	68	−11	23.4	1.72	16.0
Porto Rico.					
Adjuntas	88	44	70.2	1.29	
Aguadilla	91	63[d]	76.6	4.67	
Aguirre	88	61	76.4	0.59	

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.
Porto Rico—Cont'd.	°	°	°	*Ins.*	*Ins.*
Arecibo	87	56	73.4	4.74	
Barros	86	51	69.8	1.55	
Bayamon	90	56	74.4	2.73	
Caguas	90	54	74.0	1.80	
Canovanas	88	67	77.3	1.34	
Cayey	86	54	70.5	0.85	
Cidra	86	50	70.1	4.80	
Coamo	92	56	75.8	T.	
Corozal	90	54	71.2	2.21	
Fajardo	86	62	76.6	2.24	
Guanica	92	56	74.4	1.77	
Hacienda Coloso	90	52	72.8	2.34	
Hacienda Josefa	.....	.....	.....	1.79	
Hacienda Perla	88	62	76.4	3.73	
Humacao	90	70	79.3	1.21	
Isabela	85	59	73.0	3.23	
Juan Diaz	89	58	76.7	0.30	
La Carmeleta	85	59	72.1	1.32	
La Isolina	90	58	72.8	5.57	
Las Marias	90	61	75.5	1.82	
Manati	93	58	75.0	3.25	
Maunabo	88	59	75.4	2.69	
Mayaguez	92	59	75.5	2.19	
Morovis	88	56	70.8	6.13	
Ponce	89	60	76.2	0.18	
Rio Piedras	.....	.....	.....	3.11	
San German	90	64	77.4	1.89	
San Lorenzo	90	53	73.1	1.99	
San Salvador	88	56	71.2	1.70	
Santa Isabel	89	58	75.8	0.76	
Utuado	89	56	72.8	1.82	
Vieques	88	64	77.5	0.87	
Yauco	86	60	74.6	3.80	
Mexico.					
Ciudad P. Diaz	87	39	60.4	0.30	
Coatzacoalcos	83	60	72.2	4.19	
Leon de Aldamas	86	42	63.5	0.49	
Vera Cruz	85	63	73.0	.....	
New Brunswick.					3.6
St. John	48	5	34.0	7.66	
Isthmus of Panama.					
Albajuela	95	64	80.8	0.39	
Bohio	.....	.....	.....	1.22	
Colon	.....	.....	.....	0.98	
Gamboa	.....	.....	.....	0.32	
La Boca	89	72	80.7	0.04	
Ontario.	°	°	°	*Ins.*	*Ins.*
Peterboro	.....	.....	.....	1.60	1.0
Late reports for February, 1903.					
Alaska.					
Coal Harbor	45	—10	29.6	7.32	20.2
Fort Egbert	37	—55	3.0	0.81	5.4
Fort Yukon	.....	.....	.....	1.09	.....
Juneau	42	7	31.2	7.29	18.0
Kenai	42	—46	18.2	2.18	35.8
Orca	.....	.....	.....	16.60	32.0
Wood Island	54	0	29.3	8.10	12.8
Arizona.					
Pinal Ranch	.....	.....	.....	1.32	0.4
California.					
Newcastle	74	26	44.9	1.95	T.
Tulare *b*	.....	.....	.....	0.65	
Ventura	78	29	53.6	1.08	
Colorado.					
Montrose	.....	.....	.....	0.95	14.0
Connecticut.					
Southington	57	—11	29.0	4.20	9.0
Idaho.					
Roosevelt[1]	43	—14	16.0	1.18	9.6
Maryland.					
Pocomoke City	68	9	41.2	3.92	
Montana.					
Fort Benton	46	—10	17.6	0.70	7.0
Nebraska.					
Tecumseh *c*	.....	.....	.....	1.07	6.1
New Jersey.					
Hanover	64	— 5	30.0	5.08	10.5
Oregon.					
Government Camp	57	4	29.2	3.30	20.0
South Dakota.					
Gary	37	—26	4.5	.....	.....
Texas.					
Anson	.....	.....	.....	3.00	
Temple *b*	76	14	43.4	4.98	T.
Vermont.					
Hartland	56	—26	22.0	3.77	21.5
West Virginia.					
Weston *a*	.....	.....	.....	6.55	6.2
Porto Rico.					
Barros	85	50	69.8	1.62	
H. Colosa	91	55	72.4	0.65	

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 "°" denotes 14 days missing.

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

CORRECTIONS.

December, 1902, Oregon, Grass Valley, make minimum and mean temperatures read 16 and 29.1 instead of —6 and 28.8, respectively.

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

Stations.	Component direction from— N.	S.	E.	W.	Resultant. Direction from—	Duration.
	Hours.	Hours.	Hours.	Hours.	°	Hours.
New England.						
Eastport, Me	20	17	16	27	n. 75 w.	11
Portland, Me	20	21	11	24	s. 86 w.	13
Concord, N. H	12	8	12	9	n. 45 e.	4
Northfield, Vt	18	37	4	10	s. 18 w.	20
Boston, Mass	21	16	17	21	n. 39 w.	6
Nantucket, Mass	18	23	17	21	s. 39 w.	6
Block Island, R. I	14	24	19	20	s. 6 w.	10
Narragansett, R. I *	11	12	7	8	s. 45 w.	1
New Haven, Conn	23	20	16	18	n. 34 w.	4
Middle Atlantic States.						
Albany, N. Y	28	23	5	18	n. 69 w.	14
Binghamton, N. Y. †	13	6	11	7	n. 30 e.	8
New York, N. Y	14	20	21	18	s. 27 e.	7
Harrisburg, Pa	17	19	25	13	s. 81 e.	12
Philadelphia, Pa	17	17	24	18	e.	6
Scranton, Pa	24	17	20	18	n. 16 e.	7
Atlantic City, N. J	16	20	19	23	s. 45 w.	6
Cape May, N. J	20	23	19	14	s. 59 e.	6
Baltimore, Md	16	20	21	14	s. 60 e.	8
Washington, D. C	17	22	21	10	s. 66 e.	12
Cape Henry, Va	12	10	12	7	n. 68 e.	5
Lynchburg, Va	25	12	23	19	n. 17 e.	14
Norfolk, Va	24	20	25	7	n. 77 e.	18
Richmond, Va	21	21	23	11	e.	12
Wytheville, Va	18	14	22	22	n.	4
South Atlantic States.						
Asheville, N. C	21	22	22	11	s. 85 e.	11
Charlotte, N. C	21	21	27	7	e.	20
Hatteras, N. C	22	19	24	10	n. 78 e.	14
Kittyhawk, N. C	12	10	13	7	n. 72 e.	6
Raleigh, N. C	24	13	28	13	n. 54 e.	19
Wilmington, N. C	21	20	25	12	n. 86 e.	13
Charleston, S. C	24	14	28	11	n. 60 e.	20
Columbia, S. C	18	16	33	8	n. 85 e.	25
Augusta, Ga	21	15	34	11	n. 75 e.	24
Savannah, Ga	16	20	28	9	s. 78 e.	19
Jacksonville, Fla	23	15	35	8	n. 73 e.	28
Florida Peninsula.						
Jupiter, Fla	19	14	37	7	n. 81 e.	30
Key West, Fla	10	12	43	5	s. 87 e.	38
Tampa, Fla	23	8	34	11	n. 57 e.	28
Eastern Gulf States.						
Atlanta, Ga	16	25	28	10	s. 63 e.	20
Macon, Ga. †	12	5	12	6	n. 41 e.	9
Pensacola, Fla. †	11	3	22	3	n. 67 e.	21
Mobile, Ala	26	22	19	6	n. 73 e.	14
Montgomery, Ala	21	12	33	9	n. 69 e.	26
Meridian, Miss †	14	5	13	5	n. 42 e.	12
Vicksburg, Miss	25	15	27	4	n. 67 e.	25
New Orleans, La	26	14	29	6	n. 62 e.	26
Western Gulf States.						
Shreveport, La	24	7	28	7	n. 51 e.	27
Fort Smith, Ark	17	8	34	15	n. 65 e.	21
Little Rock, Ark	28	12	25	12	n. 39 e.	21
Corpus Christi, Tex	32	14	23	6	n. 43 e.	25
Fort Worth, Tex	27	18	21	9	n. 53 e.	15
Galveston, Tex	30	15	23	6	n. 48 e.	23
Palestine, Tex	26	16	26	5	n. 65 e.	23
San Antonio, Tex	27	16	30	5	n. 66 e.	27
Taylor, Tex †	19	8	8	2	n. 29 e.	12
Ohio Valley and Tennessee.						
Chattanooga, Tenn	23	19	20	14	n. 56 e.	7
Knoxville, Tenn	23	16	9	25	n. 66 w.	18
Memphis, Tenn	28	15	21	12	n. 35 e.	16
Nashville, Tenn	19	24	20	11	s. 61 e.	10
Lexington, Ky. †	8	13	13	6	s. 54 e.	9
Louisville, Ky	22	21	18	14	n. 76 e.	4
Evansville, Ind. †	12	9	11	4	n. 67 e.	8
Indianapolis, Ind	21	25	17	13	s. 45 e.	6
Cincinnati, Ohio	19	14	25	16	n. 61 e.	10
Columbus, Ohio	16	21	22	17	s. 45 e.	7
Pittsburg, Pa	20	23	17	22	s. 59 w.	6
Parkersburg, W. Va	23	19	17	16	n. 14 e.	4
Elkins, W. Va	21	21	10	20	w.	10
Lower Lake Region.						
Buffalo, N. Y	9	26	15	29	s. 39 w.	22
Oswego, N. Y	16	25	16	19	s. 18 w.	10
Rochester, N. Y	10	18	16	30	s. 60 w.	16
Syracuse, N. Y	17	22	15	23	s. 58 w.	9
Erie, Pa	19	20	13	24	s. 85 w.	11
Cleveland, Ohio	16	25	19	16	s. 18 e.	10
Sandusky, Ohio †	6	14	8	10	s. 14 w.	8
Toledo, Ohio	16	21	19	18	s. 11 e.	5
Detroit, Mich	17	21	20	19	s. 14 e.	4
Upper Lake Region.						
Alpena, Mich	17	17	17	23	w.	6
Escanaba, Mich	26	22	13	13	n.	4
Grand Haven, Mich	14	25	18	16	s. 10 e.	11
Houghton, Mich. †	8	5	9	10	n. 18 w.	3
Marquette, Mich	28	18	12	19	n. 35 w.	12
Port Huron, Mich	19	22	17	15	s. 34 e.	4
Sault Ste. Marie, Mich	10	22	23	22	s. 5 e.	12
Chicago, Ill	15	26	19	18	s. 5 e.	11
Milwaukee, Wis	18	24	16	19	s. 27 w.	7
Green Bay, Wis	15	26	19	15	s. 20 w.	12
Duluth, Minn	29	8	25	17	n. 21 e.	22
North Dakota.						
Moorhead, Minn	26	16	17	19	n. 11 w.	10
Bismarck, N. Dak	31	17	17	9	n. 30 e.	16
Williston, N. Dak	21	14	19	15	n. 30 e.	8
Upper Mississippi Valley.						
Minneapolis, Minn *	12	6	10	9	n. 9 e.	6
St. Paul, Minn	22	19	16	23	n. 60 w.	8
La Crosse, Wis. †	10	18	2	3	s. 7 w.	8
Davenport, Iowa	16	20	16	20	s. 45 w.	6
Des Moines, Iowa	16	24	15	20	s. 32 w.	9
Dubuque, Iowa	15	23	19	22	s. 21 w.	8
Keokuk, Iowa	18	25	14	18	s. 30 w.	8
Cairo, Ill	24	21	23	9	n. 78 e.	14
Springfield, Ill	19	27	13	16	s. 21 w.	8
Hannibal, Mo. †	10	12	6	9	s. 56 w.	4
St. Louis, Mo	23	26	12	13	s. 18 w.	3
Missouri Valley.						
Columbia, Mo. *	7	11	14	5	s. 66 e.	10
Kansas City, Mo	18	27	21	12	s. 45 e.	13
Springfield, Mo	18	23	26	11	s. 72 e.	16
Topeka, Kans *	9	14	7	5	s. 22 e.	5
Lincoln, Nebr	22	21	16	12	n. 76 e.	4
Omaha, Nebr	24	26	9	12	s. 56 w.	4
Valentine, Nebr	23	18	16	20	n. 39 w.	6
Sioux City, Iowa †	12	12	6	8	w.	2
Pierre, S. Dak	21	18	28	9	n. 81 e.	19
Huron, S. Dak	27	19	17	12	n. 32 e.	9
Yankton, S. Dak. †	13	10	7	13	n. 63 w.	7
Northern Slope.						
Havre, Mont	16	13	23	23	n.	3
Miles City, Mont	27	17	15	15	n.	10
Helena, Mont	21	17	7	31	n. 81 w.	24
Kalispell, Mont	16	24	11	29	s. 66 w.	20
Rapid City, S. Dak	23	13	14	24	n. 45 w.	14
Cheyenne, Wyo	22	18	5	26	n. 79 w.	21
Lander, Wyo	15	29	9	24	s. 47 w.	20
North Platte, Nebr	19	24	15	17	s. 22 w.	5
Middle Slope.						
Denver, Colo	25	22	12	11	n. 18 e.	3
Pueblo, Colo	21	15	24	18	n. 45 e.	8
Concordia, Kans	19	27	19	10	s. 48 e.	12
Dodge, Kans	21	26	14	14	s.	5
Wichita, Kans	17	31	16	9	s. 27 e.	16
Oklahoma, Okla	26	25	13	4	n. 84 e.	9
Southern Slope.						
Abilene, Tex	16	26	27	9	s. 61 e.	21
Amarillo, Tex	18	30	13	12	s. 5 e.	12
Southern Plateau.						
El Paso, Tex	17	10	20	30	n. 55 w.	12
Santa Fe, N. Mex	23	20	18	15	s. 45 e.	4
Flagstaff, Ariz	12	21	11	33	s. 68 w.	24
Phoenix, Ariz	14	11	30	15	n. 79 e.	15
Yuma, Ariz	19	14	14	23	n. 61 w.	10
Independence, Cal	12	32	9	21	s. 31 w.	23
Middle Plateau.						
Carson City, Nev	14	27	9	28	s. 56 w.	23
Winnemucca, Nev	20	18	19	21	n. 45 w.	3
Modena, Utah	10	24	11	35	s. 60 w.	28
Salt Lake City, Utah	11	31	28	11	s. 40 e.	26
Grand Junction, Colo	15	19	25	18	s. 60 e.	8
Northern Plateau.						
Baker City, Oreg	17	31	14	22	s. 30 w.	16
Boise, Idaho	10	21	25	22	s. 15 e.	11
Lewiston, Idaho †	4	12	15	8	s. 41 e.	11
Pocatello, Idaho	2	18	43	11	s. 63 e.	36
Spokane, Wash	15	25	18	16	s. 11 e.	10
Walla Walla, Wash	8	40	13	10	s. 5 e.	32
North Pacific Coast Region.						
North Head, Wash	25	14	20	19	n. 5 e.	11
Port Crescent, Wash. *	9	4	14	11	n. 31 e.	6
Seattle, Wash	27	15	20	13	n. 30 e.	14
Tacoma, Wash	27	19	13	14	n. 7 w.	8
Tatoosh Island, Wash	12	12	31	17	e.	14
Portland, Oreg	22	14	14	28	n. 60 w.	16
Roseburg, Oreg	23	18	20	15	n. 45 e.	7
Middle Pacific Coast Region.						
Eureka, Cal	14	28	15	17	s. 8 w.	14
Mount Tamalpais, Cal	7	31	11	30	s. 39 w.	31
Red Bluff, Cal	13	34	22	10	s. 30 e.	24
Sacramento, Cal	14	30	23	9	s. 41 e.	21
San Francisco, Cal	12	21	13	24	s. 51 w.	14
Point Reyes Light, Cal *	7	14	4	14	s. 55 w.	12
South Pacific Coast Region.						
Fresno, Cal	15	16	20	26	s. 80 w.	6
Los Angeles, Cal	18	9	23	26	n. 18 w.	10
San Diego, Cal	32	11	14	20	n. 16 w.	22
San Luis Obispo, Cal	18	20	4	21	s. 83 w.	17
West Indies.						
Basseterre, St. Kitts, W. I	.....	.....	.....	.....	.....	.....
Bridgetown, Barbados	.....	.....	.....	.....	.....	.....
Grand Turk, W. I. †	7	4	24	0	n. 83 e.	24
Hamilton, Bermuda	20	17	35	1	n. 85 e.	34
Havana, Cuba †	1	6	27	1	s. 79 e.	26
Puerto Principe, Cuba	.....	.....	.....	.....	.....	.....
San Juan, Porto Rico	10	16	41	6	s. 80 e.	36

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

TABLE IV.—*Thunderstorms and auroras, March, 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.			2	1	2	3	1	3						2						8	3							2				27	10	T.
		A.																																0	0	A.
Arizona	56	T.				1																				7	13	2					1	24	5	T.
		A.																																0	0	A.
Arkansas	57	T.		1		3	5	13	18	2	12	4								2	14	4												78	11	T.
		A.																																0	0	A.
California	167	T.					1			1					11	1		2							2	7	3	1		1	4	4	3	41	13	T.
		A.																																0	0	A.
Colorado	81	T.									1						2	1		1							1				1	7	1	15	8	T.
		A.																																0	0	A.
Connecticut	21	T.																							1					3		1		5	3	T.
		A.																																0	0	A.
Delaware	5	T.								2														3										5	2	T.
		A.																																0	0	A.
Dist. of Columbia	4	T.																					1											1	1	T.
		A.																																0	0	A.
Florida	47	T.				3	2				1			1	1	7	8	7	2	1	2	4	9	17	10	4	5			2	3			89	19	T.
		A.																																0	0	A.
Georgia	55	T.				1	4	2	7	5	5	4					1	1			1	7	9	5	1						6			59	15	T.
		A.																																0	0	A.
Idaho	34	T.				1	1									1	1	1										1		9	3	7		25	9	T.
		A.																																0	0	A.
Illinois	92	T.				1		2	47	4								3	8	6	29	11		1										112	10	T.
		A.																																0	0	A.
Indiana	58	T.						2	22	7		1							4		2	12						1		1	1			53	10	T.
		A.																																0	0	A.
Indian Territory	11	T.						3			3									2	4													12	4	T.
		A.																																0	0	A.
Iowa	149	T.			3		1	11	11						1	1	1	30	12	21	10												1	103	12	T.
		A.																																0	0	A.
Kansas	77	T.	1					10	11		2						2	5	3	21	10									1	1			67	11	T.
		A.																														1		1	1	A.
Kentucky	41	T.						3	20	8		1						4			1	11	1											49	8	T.
		A.								1																								1	1	A.
Louisiana	46	T.		2	12	5	3	1	6	5	5	6	1		3	3					12	9	3						10	5				91	17	T.
		A.																																0	0	A.
Maine	19	T.																																0	0	T.
		A.																																0	0	A.
Maryland	48	T.							1	2	1	1					1					4	13	3	5							1		32	10	T.
		A.																									1		1	1	1			4	4	A.
Massachusetts	48	T.																								1								1	1	T.
		A.																																0	0	A.
Michigan	106	T.							25						1	1		4	6	33	19	13	1		1									104	10	T.
		A.																																0	0	A.
Minnesota	67	T.							1									2	9	18	3												3	36	6	T.
		A.																	1															1	1	A.
Mississippi	44	T.			2	1	3	4	8	10	8	10	1			3					3	2							3	2	2			62	15	T.
		A.																																0	0	A.
Missouri	95	T.						22	47	2	3							5	2	2	32	3		1										119	10	T.
		A.																																0	0	A.
Montana	40	T.																												4		4	1	9	3	T.
		A.																				1												1	1	A.
Nebraska	142	T.															4	12	6	27	3							2					6	60	7	T.
		A.																																0	0	A.
Nevada	40	T.																												1	2			3	2	T.
		A.																																0	0	A.
New Hampshire	19	T.																																0	0	T.
		A.																																0	0	A.
New Jersey	51	T.		1						2	2												11	2	2	4								24	7	T.
		A.																																0	0	A.
New Mexico	31	T.																									1					2		3	2	T.
		A.																																0	0	A.
New York	99	T.						1					1									3	1		1	3				5		2		17	8	T.
		A.																															1	1	1	A.
North Carolina	56	T.					5	6	6	10	6	3	1		1							12	18	8	5						1	1		83	14	T.
		A.																																0	0	A.
North Dakota	48	T.																															1	1	1	T.
		A.																														1		1	1	A.
Ohio	128	T.					1	1	51	1											1	70	1									1		127	8	T.
		A.																																0	0	A.
Oklahoma	23	T.						5	5		6								1	8	5													30	6	T.
		A.								1																								1	1	A.
Oregon	74	T.				1																				1			1	4	1	4		12	6	T.
		A.																																0	0	A.
Pennsylvania	91	T.							4								1					4	3			1						1		14	6	T.
		A.																													1			1	1	A.
Rhode Island	7	T.																							1	1								2	2	T.
		A.																																0	0	A.
South Carolina	46	T.			1		3		5	6	2	1										6	16	14	2	1								57	11	T.
		A.																																0	0	A.
South Dakota	56	T.															1	7	7	10	2						1	1			3	1	6	39	10	T.
		A.																																0	0	A.
Tennessee	56	T.					11	17	23	14	5	9	1					3			1	14	8	1		1	2	1						111	15	T.
		A.																																0	0	A.
Texas	95	T.			5	2		2	7	7	14	15								1	24	15	3					1	12					111	13	T.
		A.																																0	0	A.
Utah	47	T.					5	1										4	1							1	1				6	6	2	27	9	T.
		A.																																0	0	A.
Vermont	16	T.																								1								1	1	T.
		A.																																0	0	A.
Virginia	50	T.								11	4											5	20	10	8	1					1	4	1	65	10	T.
		A.																																0	0	A.
Washington	64	T.														1					1									8	3	6		19	5	T.
		A.																																0	0	A.
West Virginia	43	T.							7	5		5	4									12	10	3	1					1				48	9	T.
		A.																																0	0	A.
Wisconsin	60	T.						2	8		1							8	11	22	14	1												67	8	T.
		A.																																0	0	A.
Wyoming	31	T.										1							1												1	1	5	9	5	T.
		A.							1			1																						2	2	A.
Sums	2,893	T.	1	4	25	20	47	111	341	107	81	61	9	1	18	20	22	99	73	178	193	230	131	68	40	34	27	10	26	49	39	53	31	2149		T.
		A.	0	0	0	0	0	0	1	2	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	1	1	2	2	1	14		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 March, 1903, at all stations furnished with self-registering gages.*

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
	1	2	3	4	5	6	7														
Albany, N. Y	23			1.19														*			
Alpena, Mich	18			0.42														*			
Asheville, N. C	22-23			3.64														0.46			
Atlanta, Ga	20-21	9:22 p. m.	1:50 a. m.	1.66	9:35 p. m.	9:55 p. m.	0.10	0.06	0.29	0.41	0.53	0.55									
Atlantic City, N. J	21-23			2.09														0.41			
Augusta, Ga	21	7:42 p. m.	9:28 p. m.	1.51	8:05 p. m.	8:35 p. m.	0.11	0.09	0.26	0.55	0.82	1.07	1.11	1.14	1.18						
Baltimore, Md	22-23			0.94														0.27			
Binghamton, N. Y	22-23			0.96														0.24			
Bismarck, N. Dak	4			0.06														*			
Block Island, R. I	22-23			1.61														0.63			
Boise, Idaho	14-15			0.22														0.13			
Boston, Mass	30-31			1.51														0.47			
Buffalo, N. Y	20			0.42														0.21			
Cairo, Ill	6			1.09														0.41			
Charleston, S. C	29			1.16														0.18			
Charlotte, N. C	21-22			1.37														0.59			
Chattanooga, Tenn	7-8			1.43														0.71			
Chicago, Ill	6-7			0.76														*			
Cincinnati, Ohio	7			1.01														0.67			
Cleveland, Ohio	8			0.50														0.17			
Columbia, Mo	7			1.60														0.62			
Columbia, S. C	29-30			2.08														0.43			
Columbus, Ohio	7			1.43														0.87			
Corpus Christi, Tex	10	8:05 a. m.	6:00 p. m.	4.66	8:41 a. m.	9:25 a. m.	0.02	0.18	0.29	0.32	0.44	0.82	1.32	1.68	1.99	2.07	2.09				
					10:24 a. m.	11:15 a. m.	2.23	0.15	0.33	0.44	0.56	0.77	1.02	1.17	1.27	1.42	1.52	1.56	1.64		
Davenport, Iowa	6-7			1.10														*			
Denver, Colo	18			0.69														*			
Des Moines, Iowa	22-23			0.68														*			
Detroit, Mich	6-7			0.26														0.19			
Dodge, Kans	17-18			0.43														*			
Dubuque, Iowa	18			0.35														0.34			
Duluth, Minn	17-18			0.80														*			
Eastport, Me	22-23			0.81														0.28			
Elkins, W. Va	20-21			1.11														0.30			
Erie, Pa	7-8			0.94														*			
Escanaba, Mich	17-18			0.96														0.41			
Evansville, Ind	7-8	11:10 p. m.	9:18 a. m.	1.65	11:50 p. m.	12:30 a. m.	0.06	0.15	0.19	0.34	0.57	0.74	0.94	1.06	1.14	1.16	1.18	1.22			
Fort Smith, Ark	4			0.64														0.26			
Fort Worth, Tex	9			1.04														0.26			
Galveston, Tex	2-3	D. N.	12:40 p. m.	1.70	9:55 a. m.	10:55 a. m.	0.12	0.05	0.22	0.72	0.95	1.05	1.08	1.14	1.18	1.22	1.27	1.40			
Do	10	10:20 a. m.	8:30 p. m.	3.98	11:20 a. m.	11:45 a. m.	0.02	0.05	0.15	0.26	0.35	0.54	0.56								
					12:01 p. m.	12:30 p. m.	0.59	0.08	0.16	0.23	0.44	0.61	0.73	0.78	0.79	0.84					
					1:00 p. m.	1:30 p. m.	1.49	0.25	0.56	0.95	1.08	1.23	1.30	1.32							
Grand Haven, Mich	18			0.31									0.31								
Grand Junction, Colo	30			0.11														0.09			
Green Bay, Wis	18-19			1.87														*			
Harrisburg, Pa	22-23			1.96														0.42			
Hatteras, N. C	7	9:30 p. m.	11:55 p. m.	0.90	11:20 p. m.	11:35 p. m.	0.37	0.12	0.29	0.44	0.50	0.52									
Huron, S. Dak	18			0.74														0.20			
Indianapolis, Ind	10			0.49														0.21			
Jacksonville, Fla	22-23			1.03														0.29			
Jupiter, Fla	18-19	7:25 p. m.	2:10 p. m.	2.49	12:30 p. m.	1:00 p. m.	1.65	0.08	0.19	0.37	0.57	0.73	0.77	0.81							
Do	24-25	10:55 p. m.	1:05 a. m.	1.04	12:10 a. m.	12:55 a. m.	0.14	0.08	0.18	0.31	0.38	0.45	0.58	0.69	0.83	0.90	0.91				
Do	29	12:52 p. m.	1:35 p. m.	0.89	12:58 p. m.	1:20 p. m.	0.01	0.10	0.40	0.70	0.80	0.85	0.87								
Kalispell, Mont	28-29			0.31														0.18			
Kansas City, Mo	19			0.87														0.48			
Key West, Fla	27	2:45 p. m.	4:55 p. m.	1.04	3:02 p. m.	4:00 p. m.	0.02	0.08	0.12	0.16	0.17	0.25	0.42	0.66	0.74	0.79	0.87	0.95			
Knoxville, Tenn	7-8			1.72														0.38			
La Crosse, Wis	16-17			0.46														0.22			
Lewiston, Idaho	28			0.21														0.21			
Lexington, Ky	30 31			0.95														*			
Lincoln, Nebr	26-27			0.19														*			
Little Rock, Ark	9-10			2.66														0.49			
Los Angeles, Cal	24-25	8:45 a. m.	8:44 a. m.	3.35	8:45 p. m.	9:10 p. m.	1.21	0.06	0.18	0.25	0.38	0.44	0.45	0.49	0.54	0.55	0.56	0.57			
Louisville, Ky	7-8			0.94														0.39			
Lynchburg, Va	22-23			1.91														0.36			
Macon, Ga	21			0.85									0.80								
Memphis, Tenn	5			0.88														0.66			
Meridian, Miss	8			0.60														0.42			
Milwaukee, Wis	19-20			1.15														0.40			
Montgomery, Ala	10-11			0.57														0.45			
Nantucket, Mass	22-23			1.47														0.35			
Nashville, Tenn	8			1.10														0.41			
New Haven, Conn	30-31			0.79														0.24			
New Orleans, La	14	12:45 p. m.	11:00 p. m.	8.33	1:33 p. m.	2:23 p. m.	0.24	0.11	0.28	0.37	0.38	0.39	0.46	0.78	1.13	1.38	1.55				
					2:23 p. m.	3:13 p. m.		1.68	1.78	2.07	2.14	2.38	2.60	2.92	3.21	3.37	3.45				
					3:13 p. m.	4:03 p. m.		3.63	3.79	3.99	4.23	4.31	4.38	4.52	4.65	4.85	5.16				
					4:03 p. m.	4:53 p. m.		5.48	5.67	5.96	6.19	6.22	6.35	6.35	6.35	6.40	6.45				
					4:53 p. m.	5:17 p. m.		6.45	6.52	6.66	6.89	6.95									
New York, N. Y	23-24			0.77														0.27			
Norfolk, Va	21	2:55 p. m.	6:00 p. m.	0.84	3:07 p. m.	3:40 p. m.	0.03	0.08	0.17	0.21	0.26	0.44	0.61	0.64	0.69	0.77	0.78				
Northfield, Vt	23			1.25														0.13			
North Head, Wash	9-11			2.04														0.16			
Oklahoma, Okla	18-19			1.82														0.62			
Omaha, Nebr	18-19			0.20														0.12			
Palestine, Tex	7	6:50 p. m.	8:15 p. m.	1.52	7:17 p. m.	7:55 p. m.	0.01	0.08	0.15	0.36	0.68	1.01	1.23	1.34	1.38	1.40					
Parkersburg, W. Va	7-8	7:59 p. m.	7:46 a. m.	1.63	7:59 p. m.	8:30 p. m.	0.00	0.22	0.43	0.71	0.86	0.93	0.99	1.01	1.04						
Pensacola, Fla	21			1.08														0.62			
Philadelphia, Pa	8-9			0.83														0.32			
Pittsburg, Pa	10			0.70														0.48			
Pocatello, Idaho																					
Portland, Me	10-11			1.38														0.34			
Portland, Oreg	10-11			1.74														0.39			
Pueblo, Colo	9			0.11														0.09			
Raleigh, N. C	22-23	D. N.	11:15 a. m.	2.43	2:15 a. m.	3:20 a. m.	0.40	0.08	0.14	0.20	0.27	0.52	0.81	0.87	0.88	0.92	1.08	1.25	1.44		
Richmond, Va	21	4:07 p. m.	7:10 p. m.	1.56	6:15 p. m.	6:52 p. m.	0.20	0.28	0.60	0.72	0.80	0.91	1.10	1.30	1.34	1.35					
Rochester, N. Y	23			1.17														*			
Sacramento, Cal	29-30			0.75														0.39			
St. Louis, Mo	3-4			1.02														0.25			
St. Paul, Minn	18			0.58														0.41			
Salt Lake City, Utah	5-6			0.50														*			

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

Stations.	Date.	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
	1	2	3	4	5	6	7														
San Antonio, Tex	19			0.82														0.54			
San Diego, Cal	4-5			0.58														0.10			
Sandusky, Ohio	20			0.26														0.25			
San Francisco, Cal	28			1.11														0.40			
Savannah, Ga	29	D. N.	9:20 p. m.	3.34	12:15 p. m.	1:05 p. m.	1.81	0.05	0.13	0.21	0.30	0.34	0.37	0.43	0.54	0.67	0.75	0.82	0.93		
Scranton, Pa	22-23			2.07														0.69			
Seattle, Wash	9-11			3.82														0.21			
Shreveport, La	19-20			0.95														0.45			
Spokane, Wash	28			0.34														*			
Springfield, Ill	19-20			0.81														0.19			
Springfield, Mo	19-20			1.16														*			
Tampa, Fla	23	D. N.	7.30 a. m.	1.05	1:45 a. m.	2:05 a. m.	0.05	0.10	0.33	0.55	0.61	0.64	0.67								
Taylor, Tex.	19	9:07 a. m.	D. N.	2.50	9:15 a. m.	11:00 a. m.	0.01	0.16	0.43	0.61	0.67	0.68	0.70	0.72	0.82	0.88	0.93	1.14	1.64	1.93	
Toledo, Ohio	7			0.20														0.19			
Topeka, Kan	18-19			0.58														*			
Valentine, Nebr	18-19			0.21														*			
Vicksburg, Miss	8	D. N.	5:15 a. m.	1.79	12:53 a. m.	1:25 a. m.	0.01	0.22	0.41	0.61	0.72	0.84	0.95	1.01	1.03						
Washington, D. C	21-22	5:20 p. m.	11:00 a. m.	1.44	7:30 p. m.	7:45 p. m.	0.10	0.16	0.32	0.36	0.36	0.37	0.40	0.42	0.43						
Wilmington, N. C	29-30			1.98														0.58			
Yankton, S. Dak	16			0.75														*			
Bridgetown, Barbados	10	3:54 p. m.	4:40 p. m.	1.15	3:58 p. m.	4:25 p. m.	T.	0.26	0.64	0.90	1.00	1.09	1.13								
Do	23-24	8:55 p. m.	3:55 a. m.	1.60	11:50 p. m.	12:35 a. m.	0.53	0.15	0.37	0.46	0.57	0.61	0.69	0.75	0.86	0.96	0.97				
Havana, Cuba	16	3:40 p. m.	4:35 p. m.	0.80	3:50 p. m.	4:00 p. m.	0.02	0.39	0.58	0.59	0.61	0.66	0.74	0.77							
Do	21	3:46 p. m.	5:05 p. m.	0.71	4:05 p. m.	4:35 p. m.	T.	0.05	0.21	0.39	0.55	0.63	0.67	0.70							
Do	28	8:35 p. m.	11:10 p. m.	1.17	9:49 p. m.	10:25 p. m.	0.01	0.29	0.42	0.59	0.68	0.84	0.90	1.03	1.06						
San Juan, Porto Rico	21	10:01 a. m.	11:10 a. m.	0.95	10:10 a. m.	11:05 a. m.	T.	0.13	0.23	0.48	0.53	0.59	0.62	0.65	0.66	0.78	0.84	0.95			

* Self-register not working.

TABLE VI.—*Data furnished by the Canadian Meteorological Service, March, 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	29.96	30.10	+.22	27.4	— 0.3	34.9	19.9	3.10	—1.66	4.6
Sydney, C. B. I	30.20	30.24	+.36	31.1	+ 4.9	39.0	23.1	4.02	—0.91	8.0
Halifax, N. S	30.12	30.23	+.29	36.0	+ 7.0	43.5	28.5	7.29	+1.83	8.2
Grand Manan, N. B	30.13	30.18	+.25	35.8	+ 6.0	42.0	29.5	9.22	+4.94	3.5
Yarmouth, N. S	30.16	30.23	+.28	37.5	+ 6.7	44.2	30.7	7.29	+2.44	1.3
Charlottetown, P. E. I	30.17	30.21	+.31	30.5	+ 5.1	37.6	23.3	4.71	+1.50	9.3
Chatham, N. B	30.15	30.17	+.27	30.8	+ 7.8	40.0	21.7	3.49	+0.02	12.9
Father Point, Que	30.14	30.16	+.26	28.2	+ 7.9	35.5	20.9	3.74	+1.01	10.6
Quebec, Que	29.84	30.18	+.22	30.2	+ 9.0	36.7	23.8	4.48	+1.22	5.2
Montreal, Que	29.98	30.20	+.20	34.1	+10.3	40.7	27.5	3.50	—0.29	3.1
Bissett, Ont	29.57	30.21	+.20	31.4	+12.4	42.6	20.1	1.11	—0.95	2.3
Ottawa, Ont	29.91	30.25	+.24	34.4	+12.9	42.2	26.7	1.35	—1.37	0.3
Kingston, Ont	29.86	30.18	+.17	37.1	+11.5	44.0	30.3	2.76	+0.12	3.3
Toronto, Ont	29.80	30.19	+.17	39.6	+12.3	46.5	32.7	1.83	—0.81	0.5
White River, Ont	28.82	30.19	+.16	19.9	+ 7.7	33.7	6.1	1.95	+0.57	18.0
Port Stanley, Ont	29.53	30.19	+.16	37.7	+10.5	44.4	31.1	2.81	—0.07	1.2
Saugeen, Ont	29.44	30.17	+.14	37.8	+13.1	45.4	30.1	1.62	—1.03	2.8
Parry Sound, Ont	29.44	30.15	+.13	35.6	+14.5	43.9	27.3	3.21	+0.98	8.3
Port Arthur, Ont	29.40	30.14	+.09	24.0	+ 7.2	33.5	14.5	0.95	—0.02	8.1
Winnipeg, Man	29.27	30.14	+.05	17.8	+ 5.5	27.9	7.7	1.08	+0.05	9.7
Minnedosa, Man	28.23	30.14	+.08	15.8	+ 3.3	28.3	3.4	0.62	—0.03	4.6
Qu'Appelle, Assin	27.74	30.09	+.05	14.0	— 0.9	24.6	3.3	0.42	—0.35	3.6
Medicine Hat, Assin	27.71	30.08	+.08	18.3	— 9.2	30.4	6.2	0.25	—0.51	2.5
Swift Current, Assin										
Calgary, Alberta	26.33	30.03	+.08	14.6	—11.6	26.0	3.3	1.00	+0.28	10.0
Banff, Alberta	25.24	30.03	+.09	16.5	— 3.7	29.4	3.6	4.00	+2.59	38.7
Edmonton, Alberta	27.65	30.04	+.08	16.9	— 7.3	30.0	3.7	0.90	+0.18	9.0
Prince Albert, Sask	28.44	30.07	—.01	9.0	— 3.0	22.1	— 4.0	1.55	+0.78	15.5
Battleford, Sask	28.30	30.15	+.09	8.5	— 4.6	20.7	— 3.6	0.82	+0.36	8.2
Kamloops, B. C	28.71	29.95	+.03	30.3	— 5.8	39.7	20.8	0.62	+0.05	4.6
Victoria, B. C	29.86	29.96	—.01	41.3	— 0.6	47.0	35.5	2.71	—0.41	9.4
Barkerville, B. C	25.55	29.96	+.08	20.2	— 5.9	33.1	7.3	1.95	+0.06	16.0
Hamilton, Bermuda	30.02	30.18	+.10	65.8	+ 3.6	69.6	61.9	4.06	—1.07	0.0
Dawson City, Yukon										

TABLE VII.—*Heights of rivers referred to zeros of gages, March, 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	8.3	26-28	5.6	14	7.3	2.7
Red Wing, Minn.[1]	1,914	14	8.3	25	3.7	14	6.6	4.6
Reeds Landing, Minn.	1,884	12	7.7	25	0.1	1-6	3.6	7.6
La Crosse, Wis.[2]	1,819	12	9.5	27	5.1	14	7.8	4.4
Prairie du Chien, Wis.[10]	1,759	18	12.0	30,31	6.7	18		5.3
Dubuque, Iowa.[3]	1,699	15	12.6	31	4.8	12	7.9	7.8
Leclaire, Iowa[4]	1,609	10	7.2	31	3.3	13	5.0	3.9
Davenport, Iowa[5]	1,593	15	9.1	31	5.5	8	7.2	3.6
Muscatine, Iowa	1,562	16	10.7	31	5.0	1	8.2	5.7
Galland, Iowa	1,472	8	5.5	8,31	2.4	4	4.5	3.1
Keokuk, Iowa	1,463	15	9.8	31	4.0	1	8.3	5.8
Hannibal, Mo.	1,402	13	14.5	9	7.0	6	10.2	4.5
Grafton, Ill.	1,306	23	17.5	11	10.2	1	15.2	7.3
St. Louis, Mo	1,264	30	25.8	11	15.6	1	21.9	10.2
Chester, Ill	1,189	30	22.3	12	12.0	1	18.9	10.3
New Madrid, Mo.	1,003	34	39.5	16-18	33.4	31	36.8	6.1
Memphis, Tenn	843	33	40.1	20	34.0	1	37.0	6.1
Helena, Ark	767	42	51.0	25-27	43.8	1	47.5	7.2
Arkansas City, Ark	635	42	53.0	27,28	46.1	1	50.2	6.9
Greenville, Miss	595	42	49.1	27	40.2	1	45.1	8.9
Vicksburg, Miss	474	45	51.8	27,28	44.3	1	48.6	7.5
New Orleans, La	108	16	20.3	27,29,30	16.3	1	18.9	4.0
Yellowstone River.	Miles.	Feet.	Feet.		Feet.		Feet.	Feet.
Glendive, Mont.[6]	98	17	5.0	30,31	4.1	17	4.5	0.9
James River.								
Lamoure, N. Dak.[7]		25						
Huron, S. Dak.[5]	210	9	5.0	12-14	1.8	8	3.5	3.2
Missouri River.								
Townsend, Mont.[6]	2,504	10	6.7	16-23	4.3	26,27	5.7	2.4
Fort Benton, Mont.[6]	2,285	12	6.0	17	1.6	22,24,25	2.6	4.4
Bismarck, N. Dak	1,309	14	4.3	30,31	3.2	2-4	3.9	1.1
Pierre, S. Dak.[8]	1,114	14						
Sioux City, Iowa[3]	784	19	10.2	12	6.7	30,31	7.7	3.5
Omaha, Nebr.[9]	669	18	10.8	13	7.6	2,11	8.4	3.2
Plattsmouth, Nebr			8.5	10	4.5	31	5.9	4.0
St. Joseph, Mo.	481	10	7.4	14	2.8	1	5.0	4.6
Kansas City, Mo	388	21	16.7	15	8.6	1	12.3	8.1
Glasgow, Mo	231		10.6	16	5.1	1	7.9	5.5
Boonville, Mo	199	20	14.4	16	10.1	1	12.5	4.3
Hermann, Mo.	103	24	18.0	8	10.9	31	14.5	7.1
Illinois River.								
Peoria, Ill.	135	14	19.3	12,13	15.5	1	17.6	3.8
Youghiogheny River.								
Confluence, Pa.	59	10	6.6	24	3.4	20,21	4.4	3.2
West Newton, Pa.	15	23	15.4	1,11	1.9	20	4.5	13.5

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

Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.
			Height.	Date.	Height.	Date.		
Allegheny River.	*Miles.*	*Feet.*	*Feet.*		*Feet.*		*Feet.*	*Feet.*
Warren, Pa.	177	14	9.8	1, 11	3.0	21, 31	5.9	6.8
Oil City, Pa	123	13	12.9	1	3.2	31	6.7	9.7
Parker, Pa.	73	20	15.0	1	3.5	31	7.5	11.5
Freeport, Pa	29	20	23.0	1	7.0	21, 30	12.1	16.0
Clarion River.								
Clarion, Pa.	32	10	11.3	1	2.9	30, 31	5.1	8.4
Monongahela River.								
Weston, W. Va.	161	18	12.0	23	3.0	20	4.4	9.0
Fairmont, W. Va.	119	25	19.5	1	2.5	20	5.8	17.0
Greensboro, Pa.	81	18	24.7	1	8.0	20	11.0	16.7
Lock No. 4, Pa.	40	28	32.5	1	7.7	21	13.1	24.8
Conemaugh River.								
Johnstown, Pa.	64	7	7.8	1	2.8	20–22	3.8	5.0
Red Bank Creek.								
Brookville, Pa.	35	8	3.8	1	0.5	30	1.6	3.3
Beaver River.								
Ellwood Junction, Pa.	10	14	11.0	1	3.4	31	5.0	7.6
Great Kanawha, River.								
Charleston, W. Va.	58	30	33.0	24	5.7	20	10.7	27.3
Little Kanawha River.								
Glenville, W. Va	103	20	15.6	23	—1.0	20	3.2	16.6
New River.								
Radford, Va	155	14	15.0	23	1.0	6, 7, 20, 21	2.3	14.0
Hinton, W. Va.	95	14	14.9	24	2.9	21	5.1	12.0
Cheat River.								
Rowlesburg, W. Va.	36	14	8.7	1	1.6	21	3.5	7.1
Ohio River.								
Pittsburg, Pa.	966	22	28.9	1	5.4	21	12.0	23.5
Davis Island Dam, Pa.	960	25	26.5	1	7.5	21	12.6	19.0
Beaver Dam, Pa	925	27	38.1	2	10.0	21	18.4	28.1
Wheeling, W. Va.	875	36	40.2	2	10.0	22	19.6	30.2
Parkersburg, W. Va.	785	36	39.9	3	10.6	21	22.9	29.3
Point Pleasant, W. Va.	703	39	45.0	4	15.5	21	30.5	29.5
Huntington, W. Va.	660	50	48.3	4	20.2	21, 22	35.5	28.1
Catlettsburg, Ky.	651	50	49.7	4	20.4	22	36.5	29.3
Portsmouth, Ohio	612	50	51.3	4	22.5	22	38.6	28.8
Cincinnati, Ohio	499	50	53.2	5	26.2	23	42.5	27.0
Madison, Ind	413	46	45.0	6	23.5	24	37.0	21.5
Louisville, Ky.	367	28	28.5	9	9.8	24, 25	19.6	18.7
Evansville, Ind.	184	35	42.4	11	26.7	27	36.9	15.7
Paducah, Ky.	47	40	47.6	15, 16	32.4	31	41.7	15.2
Cairo, Ill.	1,073	45	50.6	15–17	40.7	31	46.6	9.9
Muskingum River.								
Zanesville, Ohio	70	20	23.8	1	8.6	30	15.7	15.2
Scioto River.								
Columbus, Ohio	110	17	15.8	1	3.5	30, 31	6.6	12.3
Miami River.								
Dayton, Ohio	77	18	11.8	1	2.4	28–31	4.5	9.4
Wabash River.								
Mount Carmel, Ill.	50	15	22.3	12	6.6	31	17.3	15.7
Licking River.								
Falmouth, Ky.	30	25	18.5	1	3.0	28	7.4	15.5
Kentucky River.								
High Bridge, Ky.	117	17	23.4	3	12.0	20, 29, 30	15.1	11.4
Frankfort, Ky.	65	31	21.9	3	8.0	30	11.3	13.9
Hiwassee River.								
Charleston, Tenn.	18	22	23.5	1	4.5	20	9.2	19.0
Holston River.								
Rogersville, Tenn.	103	14	14.3	24	2.9	20, 21	4.6	11.4
French Broad River.								
Asheville, N. C [11]	.....	6	.....	.....	.....	.....	.....	.....
Leadvale, Tenn.	70	15	11.0	23	1.2	20	3.9	9.8
Clinch River.								
Speers Ferry, Va.	156	20	16.9	23	1.0	20	3.6	15.9
Clinton, Tenn.	52	25	22.5	25	7.5	20, 21	13.1	15.0
Tennessee River.								
Knoxville, Tenn.	635	29	24.6	24	3.9	20	8.8	20.7
Kingston, Tenn.	556	25	20.2	25	4.0	22	10.0	16.2
Chattanooga, Tenn.	452	33	31.1	2	9.0	20–22	17.8	22.1
Bridgeport, Ala.	402	24	23.4	3	7.0	21	14.3	16.4
Florence, Ala.	255	16	18.7	6, 7	7.7	23, 24	14.0	11.0
Riverton, Ala.	225	25	31.0	8	10.8	24	22.5	20.2
Johnsonville, Tenn.	95	24	33.7	11	14.5	26	25.6	19.2
Cumberland River.								
Burnside, Ky.	516	50	55.1	1	6.2	30	16.6	48.9
Carthage, Tenn.	305	40	36.3	3	9.5	30	22.0	26.8
Nashville, Tenn	189	40	40.7	9	13.8	31	27.7	26.9
Clarksville, Tenn.	126	42	49.6	11	17.0	31	34.3	32.6
Arkansas River.								
Wichita, Kans.	832	10	2.3	15	1.4	1, 2	1.9	0.9
Webbers Falls, Ind. T.	465	23	18.8	11	6.4	31	11.2	12.4
Fort Smith, Ark.	403	22	21.6	11	7.2	31	13.4	14.4
Dardanelle, Ark	256	21	20.9	12	8.9	31	14.8	12.0
Little Rock, Ark.	176	23	23.3	13	11.5	31	17.8	11.8
White River.								
Newport, Ark.	150	26	28.7	12, 13	18.5	31	23.3	10.2
Yazoo River.								
Yazoo City, Miss.	80	25	28.6	31	24.1	1	26.4	4.5
Red River.								
Arthur City, Tex.	638	27	21.0	2	9.4	31	13.8	11.6
Fulton, Ark.	515	28	31.2	14	22.0	31	28.0	9.2
Shreveport, La.	327	29	33.1	22, 23	28.8	1	31.4	4.3
Alexandria, La.	118	33	36.2	27–29	29.6	1	34.4	6.6
Ouachita River.								
Camden, Ark.	304	39	39.4	14	17.3	31	27.1	22.1
Monroe, La.	122	40	44.5	26–29	37.6	1	41.8	6.9
Atchafalaya River.								
Melville, La.	100	31	38.5	29–31	34.4	1	36.9	4.1
Penobscot River.	*Miles.*	*Feet.*	*Feet.*		*Feet.*		*Feet.*	*Feet.*
Mattawamkeag, Me. [3]	87	.....	18.7	13	15.3	19, 20	16.6	3.4
Montague, Me. [3]	60	.....	17.0	12	10.7	19	12.5	6.3
Kennebec River.								
Solon, Me	86	.....	4.0	24	1.0	31	2.5	3.0
Winslow, Me	46	.....	8.5	12	3.1	30, 31	6.0	5.4
Merrimac River.								
Franklin Junction, N. H.	110	.....	15.0	12	6.2	6–8	9.9	8.8
Concord, N. H. [5]	94	.....	8.5	13	4.4	8	6.4	4.1
Manchester, N. H.	68	.....	6.1	13	2.6	30, 31	4.1	3.5
Connecticut River.								
Wells River, Vt. [5]	255	.....	32.8	24	24.3	8	28.9	8.5
White River Junction, Vt.	209	.....	21.8	24	8.5	7, 8	14.7	13.3
Bellows Falls, Vt.	170	12	11.8	24	4.0	7	7.2	7.8
Holyoke, Mass.	84	9	9.8	12, 25	3.8	7	6.8	6.0
Hartford, Conn.	50	13	23.3	26	9.9	8	16.9	13.4
Housatonic River.								
Gaylordsville, Conn.	50	15	9.3	1	5.6	21	7.0	3.7
Susquehanna River.								
Binghamton, N. Y.	306	16	13.7	1	5.4	21	8.6	8.3
Towanda, Pa.	262	16	15.5	24	4.3	21	8.0	11.1
Wilkesbarre, Pa	183	17	22.4	25	8.3	22	13.9	14.1
Harrisburg, Pa	69	17	17.1	2	4.9	21	9.0	12.2
West Branch Susquehanna.								
Lockhaven, Pa	65	12	8.5	1	1.4	21, 22	3.3	7.1
Williamsport, Pa	39	20	17.7	1	4.4	21	8.4	13.3
Juniata River.								
Huntingdon, Pa.	90	24	10.3	23	4.0	20, 21	5.3	6.3
Shenandoah River.								
Riverton, Va	58	22	8.0	1, 23, 31	1.5	29, 30	3.3	6.5
Potomac River.								
Cumberland, Md.	290	8	8.0	1	3.3	20	4.8	4.7
Harpers Ferry, W. Va.	172	18	14.0	1	3.0	18–21	6.6	11.0
James River.								
Lynchburg, Va	260	18	12.7	24	2.0	21	4.3	10.7
Richmond, Va.	111	12	14.0	25	0.8	21	4.2	13.2
Dan River.								
Danville, Va	55	8	8.6	23	0.5	20	2.1	8.1
Roanoke River.								
Clarksville, Va	196	12	16.8	25	4.7	21	7.6	12.1
Weldon, N. C.	129	30	42.7	26	11.9	21	21.4	30.8
Cape Fear River.								
Fayetteville, N. C	112	38	50.5	25	7.2	21	20.3	43.3
Edisto River.								
Edisto, S. C	75	6	4.9	31	3.6	17	4.2	1.3
Pedee River.								
Cheraw, S. C	149	27	33.8	24	5.8	21	16.8	28.0
Black River.								
Kingstree, S. C	52	12	10.5	5	8.8	23, 24	9.5	1.7
Lynch Creek.								
Effingham, S. C.	35	12	10.6	9	7.1	13	9.0	3.5
Santee River.								
St. Stephens, S. C.	97	12	15.6	31	8.6	26, 27	9.6	7.0
Congaree River.								
Columbia, S. C.	37	15	23.9	24	2.4	20, 21	7.8	21.5
Wateree River.								
Camden, S. C.	45	24	30.4	25	8.5	21	18.5	21.9
Waccamaw River.								
Conway, S. C.	40	7	6.7	1	4.6	22	5.4	2.1
Savannah River.								
Calhoun Falls, S. C.	347	15	14.5	24	3.6	8, 11	5.6	10.9
Augusta, Ga.	268	32	30.0	25	11.6	21	17.7	18.4
Broad River.								
Carlton, Ga.	30	11	21.0	24	3.2	20	5.7	17.8
Flint River.								
Albany, Ga.	80	20	13.6	31	7.0	2	9.6	6.6
Chattahoochee River.								
Oakdale, Ga	305	18	23.4	24	4.6	19	10.3	18.8
Westpoint, Ga	239	20	15.5	26	5.0	20	8.9	10.5
Eufaula, Ala	90	40	30.0	25	7.8	22	11.4	22.2
Ocmulgee River.								
Hollingsworth Ferry, Ga	172	8	13.3	31	8.6	24–27	9.7	4.7
Macon, Ga.	125	18	19.0	25	6.4	21	10.7	12.6
Oconee River.								
Dublin, Ga	79	20	17.6	30	5.9	22	10.5	11.7
Coosa River.								
Rome, Ga.	271	30	28.6	1	5.3	20	14.2	23.3
Gadsden, Ga.	144	18	22.2	6	7.3	19, 20	15.5	14.9
Alabama River.								
Montgomery, Ala.	265	35	39.7	3	11.9	22	25.1	27.8
Selma, Ala	212	35	42.8	5	16.0	22, 23	29.4	26.8
Tombigbee River.								
Columbus, Miss	303	33	20.0	16	3.4	30	12.8	16.6
Demopolis, Ala.	155	35	54.1	1	24.2	31	46.6	29.9
Black Warrior River.								
Tuscaloosa, Ala.	90	43	54.3	1	11.6	29	29.1	42.7
Brazos River.								
Kopperl, Tex	369	21	7.0	1	0.6	30, 31	2.8	6.4
Waco, Tex.	301	24	14.5	20	5.0	19	7.9	9.5
Booth, Tex	76	39	38.7	7	12.5	31	24.4	26.2
Red River of the North.								
Moorhead, Minn. [12]	418	26	.....	.....	.....	.....	.....	.....
Columbia River.								
Umatilla, Oreg.	270	25	8.1	31	—0.5	1	1.6	8.6
The Dalles, Oreg.	166	40	11.8	31	1.5	13	3.8	10.3
Willamette River.								
Albany, Oreg	118	20	10.0	13	4.5	5–9, 23, 24	5.7	5.5
Portland, Oreg.	12	15	7.8	31	2.4	9	4.8	5.4
Sacramento River.								
Red Bluff, Cal.	265	23	19.8	29	5.2	3	9.2	14.6
Sacramento, Cal.	64	29	25.1	31	18.3	3	20.1	6.8

(1) Frozen for 13 days. (2) Frozen for 12 days. (3) Frozen for 11 days. (4) Frozen for 8 days. (5) Frozen for 7 days. (6) 16 days only. (7) No observations. (8) Frozen for 30 days. (9) Frozen for 1 day. (10) Frozen for 17 days. (11) Data incomplete. (12) Frozen for 26 days.