Average relative humidity and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
	%			%	
New England	72	− 1	Missouri Valley	63	− 2
Middle Atlantic	67	0	Northern Slope	62	+ 4
South Atlantic	69	− 3	Middle Slope	60	+ 3
Florida Peninsula	70	− 4	Southern Slope	55	0
East Gulf	73	+ 3	Southern Plateau	33	+ 3
West Gulf	68	− 4	Middle Plateau	51	+ 6
Ohio Valley and Tennessee	69	+ 4	Northern Plateau	59	+ 2
Lower Lake	73	+ 3	North Pacific	76	0
Upper Lake	70	− 3	Middle Pacific	66	− 4
North Dakota	66	− 2	South Pacific	71	+ 3
Upper Mississippi Valley	68	0			

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 2677 thunderstorms were received during the current month as against 2404 in 1902 and 2149 during the preceding month.

The dates on which the number of reports of thunderstorms for the whole country was most numerous were: 12th, 335; 11th, 176; 19th, 166.

Reports were most numerous from: Missouri, 301; Iowa, 164; Illinois, 148; Tennessee, 147.

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

In Canada: Thunderstorms were reported at St. John, N. F., 18th; Bissett, 2d: Toronto, 30th; Port Stanley, 2d, 3d; Parry Sound, 2d, 30th; Medicine Hat, 22d; Hamilton, Bermuda, 22d, Sable Island, 24th. Auroras were reported at Quebec, 26th; Montreal, 2d; Minnedosa, 27th; Swift Current, 5th.

WIND.

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

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

Maximum wind velocities.

Stations.	Date.	Velocity.	Direction.	Stations.	Date.	Velocity.	Direction.
Amarillo, Tex	2	50	w.	Mount Tamalpais, Cal	17	51	nw.
Atlanta, Ga	3	50	nw.	Do	18	56	nw.
Block Island, R. I	4	54	nw.	Do	25	55	nw.
Do	14	55	ne.	Do	26	67	nw.
Do	15	60	ne.	New York, N. Y	4	55	nw.
Do	16	53	ne.	Do	15	52	ne.
Do	17	51	n.	Do	18	53	nw.
Buffalo, N. Y	9	51	w.	North Head, Wash	21	50	se.
Do	30	52	w.	Point Reyes Light, Cal	1	77	nw.
Cape Henry, Va	4	55	nw.	Do	2	58	nw.
Chicago, Ill	2	53	s.	Do	3	60	nw.
Do	3	51	ne.	Do	4	71	nw.
Cleveland, Ohio	3	50	nw.	Do	5	52	nw.
Columbus, Ohio	12	52	sw.	Do	9	62	nw.
El Paso, Tex	2	73	sw.	Do	10	60	nw.
Fort Smith, Ark	3	50	w.	Do	17	55	nw.
Hatteras, N. C	4	53	n.	Do	22	58	nw.
Do	14	52	w.	Do	23	52	nw.
Jacksonville, Fla	13	51	sw.	Do	25	59	nw.
Lexington, Ky	8	50	nw.	Do	26	70	nw.
Memphis, Tenn	3	56	w.	Syracuse, N. Y	2	55	s.
Do	8	64	nw.	Do	30	58	nw.
Mount Tamalpais, Cal	4	54	nw.	Tatoosh Island, Wash	3	50	sw.
Do	5	56	n.	Do	5	51	sw.
Do	9	71	nw.	Do	6	55	sw.
Do	10	56	nw.	Do	7	55	nw.
Do	13	50	nw.	Valentine, Nebr	17	55	se.
Do	14	59	nw.				

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, April, 1903.*

Stations.	Elevation of instruments.			Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.													Precipitation, in inches.			Wind.									
	Barometer above sea level, feet.	Thermometers above ground.	Anemometer above ground.	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hrs.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with .01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.
New England.							44.8	+ 1.8										72	3.35	+ 0.2										5.2	
Eastport	76	69	82	29.78	29.87	− .06	39.4	+ 0.8	72	29	46	17	6	33	32	36	33	81	3.33	+ 0.3	11	9,345	nw.	42	sw.	3	6	14	10	6.2	8.0
Portland, Me.	103	81	117	29.77	29.89	− .07	43.2	+ 0.2	78	29	51	22	6	35	31	39	32	68	2.51	− 0.5	7	8,005	nw.	42	se.	3	11	12	7	4.9	T.
Concord	298	70	79	29.57	29.89	− .10	44.6	+ 0.3	84	30	56	21	6	33	42	.....	.....	.....	1.62	− 1.2	8	4,966	nw.	27	e.	14	11	10	9	5.3	0.5
Northfield	876	16	60	28.96	29.92	− .07	40.8	+ 1.5	82	30	52	14	5	30	44	36	30	66	0.97	− 1.1	7	6,840	n.	38	se.	2	7	10	13	5.8	1.2
Boston	125	115	181	29.75	29.89	− .08	47.8	+ 2.7	83	29	56	26	6	40	31	42	35	65	4.43	+ 1.0	9	8,997	nw.	40	ne.	15	15	6	9	4.6	T.
Nantucket	12	43	85	29.86	29.87	− .10	45.7	+ 2.6	73	29	50	28	5	41	24	43	39	81	3.04	− 0.5	10	12,244	n.	48	n.	17	4	17	9	6.2	0.2
Block Island	26	11	60	29.87	29.90	− .08	46.8	+ 3.4	72	29	53	28	5	41	29	42	38	76	5.61	+ 2.2	10	13,556	sw.	60	ne.	15	14	8	8	4.8	
Narragansett	.....	10	38	.....	.....	.....	46.2	+ 2.0	84	29	55	26	*	38	44	.....	.....	.....	6.05	+ 2.4	9	.....	nw.	.....	.....	.....	15	6	9	.....	
New Haven	106	117	140	29.77	29.89	− .10	48.8	+ 2.7	84	29	57	25	5	40	34	43	36	65	2.61	− 0.9	9	8,420	n.	40	n.	17	16	7	7	3.6	0.1
Mid. Atlantic States.							52.5	+ 1.9										67	2.80	− 0.5										5.4	
Albany	97	102	115	29.81	29.91	− .09	48.2	+ 2.2	86	30	58	23	5	39	37	39	36	68	0.79	− 1.7	9	6,584	nw.	34	se.	2	14	6	10	4.8	1.0
Binghamton	875	79	90	28.98	29.92	− .10	45.4	− 0.1	84	30	56	21	5	35	41	.....	.....	.....	1.57	− 0.7	10	5,198	n.	30	sw.	3	10	11	9	5.4	0.3
New York	314	108	350	29.54	29.89	− .11	52.2	+ 4.1	85	30	60	28	5	45	35	45	38	64	2.88	− 0.5	9	11,308	nw.	55	nw.	4	12	6	12	5.1	T.
Harrisburg	374	94	104	29.51	29.91	− .11	51.5	+ 1.4	86	30	60	25	5	43	31	44	35	57	3.24	− 0.2	8	6,304	e.	37	sw.	3	9	6	15	5.9	
Philadelphia	117	168	184	29.77	29.90	− .11	53.2	+ 2.7	90	30	61	27	5	45	38	47	40	65	3.00	0.0	9	8,535	n.	37	sw.	3	10	7	13	5.5	0.1
Scranton	805	111	119	29.05	29.92	− .09	47.6	.....	86	30	57	23	5	38	38	41	33	59	2.55	.....	7	6,401	n.	36	se.	14	12	5	13	5.6	0.1
Atlantic City	52	39	48	29.84	29.90	− .10	49.9	+ 3.1	83	29	56	26	5	43	30	46	42	77	2.49	− 0.8	8	7,322	sw.	34	ne.	14	10	9	11	5.3	0.1
Cape May	17	47	51	29.89	29.91	− .08	50.6	+ 2.4	81	29	56	29	5	45	29	46	.....	.....	2.40	− 0.8	12	7,226	s.	36	ne.	14	13	6	11	5.1	T.
Baltimore	123	69	117	29.76	29.89	− .12	54.4	+ 1.3	91	30	63	27	5	46	40	46	37	56	3.29	− 0.1	9	6,449	nw.	31	nw.	8	13	3	14	5.6	
Washington	112	59	76	29.78	29.91	− .11	54.0	+ 1.0	89	30	64	26	5	44	41	49	44	74	4.29	+ 1.0	11	6,344	nw.	36	nw.	4	12	6	12	5.3	
Cape Henry	18	11	58	29.88	29.90	− .10	56.8	+ 2.2	90	30	64	34	5	50	31	.....	.....	.....	2.74	− 1.7	14	11,413	sw.	55	nw.	4	8	8	14	6.0	
Lynchburg	681	83	88	29.15	29.89	− .13	56.1	+ 0.2	87	30	67	29	5	46	42	48	41	64	2.53	− 0.8	10	3,800	nw.	34	nw.	8	13	6	11	5.4	
Norfolk	91	102	111	29.81	29.91	− .10	58.0	+ 1.8	86	30	66	30	5	50	34	53	49	80	4.34	+ 0.3	11	7,464	s.	37	sw.	8	12	7	11	5.2	
Richmond	144	82	90	29.77	29.92	− .10	57.8	.....	88	30	67	31	5	48	34	.....	.....	.....	4.46	.....	13	4,931	n.	33	s.	3	9	7	14	5.6	
Wytheville	2,293	40	47	27.55	29.94	− .09	50.6	.....	79	30	61	22	5	40	39	44	39	71	3.67	.....	12	4,417	w.	30	w.	8	12	7	11	5.4	T.
S. Atlantic States.							60.3	− 1.1										69	3.02	− 0.4										4.8	
Asheville	2,255	73	100	27.61	29.94	− .09	52.5	− 2.1	82	29	63	26	5	42	39	46	41	71	4.38	+ 1.3	12	7,305	n.	40	nw.	4	8	10	12	6.1	T.
Charlotte	773	68	76	29.10	29.94	− .09	58.8	− 0.9	83	29	68	32	5	49	29	51	45	67	3.28	− 0.3	13	5,746	s.	27	sw.	3	10	7	13	5.7	
Hatteras	11	12	47	29.92	29.93	− .08	60.4	+ 3.2	80	30	66	38	5	55	24	55	52	78	1.74	− 3.0	9	11,852	sw.	53	n.	4	9	9	12	5.4	
Kittyhawk	8	12	30	.....	.....	.....	56.9	+ 1.1	84	30	64	34	5	50	28	.....	.....	.....	4.89	+ 0.4	10	11,474	sw.	.....	.....	.....	15	4	11	.....	
Raleigh	376	93	101	29.52	29.93	− .10	58.8	0.0	87	29	68	30	5	49	32	51	45	66	5.92	+ 2.6	14	5,537	sw.	30	sw.	3	11	6	13	5.2	
Wilmington	78	82	90	29.85	29.93	− .10	61.0	− 0.5	86	30	70	35	5	52	32	54	49	72	2.05	− 0.9	12	7,122	sw.	40	w.	14	11	8	11	5.0	
Charleston	48	14	92	29.93	29.97	− .06	63.1	− 1.5	82	30	71	41	5	55	23	56	51	70	0.96	− 2.6	7	8,461	sw.	35	s.	3	10	17	3	4.3	
Columbia	351	114	122	29.58	29.97	− .06	60.8	− 2.8	85	29	71	35	5	50	29	53	48	67	3.11	+ 0.3	10	6,967	sw.	36	sw.	14	11	11	8	4.8	
Augusta	180	89	97	29.77	29.97	− .06	61.4	− 2.8	84	10	73	39	5	50	34	53	47	66	3.83	+ 0.5	10	5,475	nw.	30	nw.	4	15	11	4	3.5	
Savannah	65	79	89	29.91	29.98	− .05	63.7	− 2.4	83	30	73	45	5	55	26	55	50	69	1.53	− 1.9	4	6,793	sw.	32	w.	4	13	14	3	4.0	
Jacksonville	43	101	129	29.93	29.98	− .06	65.5	− 3.4	82	20	74	47	5	57	24	58	52	68	1.54	− 1.3	4	8,130	sw.	51	sw.	13	14	11	5	3.9	
Florida Peninsula.							71.4	− 1.7										70	0.58	− 1.5										3.5	
Jupiter	28	10	48	29.96	29.99	− .05	71.8	− 0.2	85	*	78	53	24	65	21	64	60	69	0.44	− 2.3	5	8,666	e.	33	sw.	16	14	16	0	4.0	
Key West	22	43	50	29.98	29.99	− .03	74.1	− 2.0	82	8	78	64	24	70	11	66	62	69	0.55	− 0.7	4	8,190	e.	30	nw.	14	15	12	3	3.5	
Tampa	34	60	67	29.97	30.00	− .06	68.2	− 2.9	84	10	77	48	24	59	27	60	56	71	0.74	− 1.6	3	5,224	nw.	22	w.	16	20	8	2	2.9	
East Gulf States.							63.6	− 2.4										73	1.49	− 3.1										4.4	
Atlanta	1,174	190	216	28.74	29.98	− .05	58.5	− 3.1	80	29	67	36	4	50	32	54	52	83	3.33	− 0.4	11	11,194	nw.	50	nw.	3	9	10	11	5.4	
Macon	370	93	99	29.59	29.99	− .04	60.9	.....	81	29	71	38	5	50	33	.....	.....	.....	4.47	.....	9	5,558	nw.	38	w.	13	12	4	14	5.4	
Pensacola	56	79	96	29.96	30.02	.00	65.2	− 2.5	81	20	72	47	5	59	23	.....	.....	.....	0.10	− 3.4	2	8,865	nw.	36	n.	4	20	7	3	3.1	
Mobile	57	88	96	29.95	30.01	− .01	65.0	− 1.9	83	9	74	45	5	56	29	58	53	72	0.64	− 4.1	4	6,855	s.	30	nw.	3	19	7	4	3.3	
Montgomery	223	100	112	29.75	29.98	− .05	62.5	− 2.9	84	3	73	39	5	52	33	56	52	74	3.04	− 1.8	9	5,968	se.	34	nw.	3	13	10	7	4.3	
Meridian	375	84	93	29.60	29.99	− .03	62.0	− 3.6	85	12	74	37	5	50	40	.....	.....	.....	1.35	− 3.0	5	5,508	s.	28	sw.	3	13	11	6	4.4	
Vicksburg	247	62	74	29.69	29.95	− .05	64.4	− 1.4	85	9	74	44	4	55	28	56	51	67	1.00	− 4.9	2	6,790	s.	36	nw.	13	13	11	6	4.3	
New Orleans	51	88	121	29.95	30.00	.00	67.8	− 1.2	85	12	76	48	4	59	24	60	55	71	0.97	− 4.2	1	7,221	sw.	32	n.	4	12	11	7	4.8	
West Gulf States.							65.4	− 1.7										68	1.12	− 2.7										4.5	
Shreveport	249	77	84	29.72	29.98	+ .01	65.0	− 1.4	85	8	75	43	30	55	32	56	49	62	1.41	− 3.8	3	6,661	s.	34	w.	3	15	7	8	4.4	
Fort Smith	457	79	94	29.45	29.94	− .02	61.8	− 0.4	86	2	73	36	4	51	32	52	45	61	0.36	− 4.7	6	8,691	e.	50	w.	3	10	20	0	3.8	
Little Rock	357	93	100	29.59	29.96	− .02	62.0	− 1.2	83	2	71	38	4	53	32	53	46	60	1.58	− 3.2	7	7,807	s.	39	nw.	3	17	11	2	3.5	T.
Corpus Christi	20	48	53	29.96	29.98	+ .03	69.7	− 1.6	88	19	75	52	30	64	25	64	60	77	0.84	− 0.7	3	9,180	se.	42	e.	29	7	17	6	5.4	
Fort Worth	670	106	114	29.28	29.99	+ .05	64.4	.....	90	1	76	35	30	53	34	.....	.....	.....	0.59	.....	2	9,976	s.	44	w.	3	19	9	2	2.9	
Galveston	54	106	112	29.92	29.98	+ .01	67.6	− 2.0	81	20	72	52	4	63	18	62	59	78	1.14	− 1.7	6	9,424	se.	37	se.	3	15	8	7	4.5	
Palestine	510	73	79	29.46	30.00	+ .04	64.6	− 2.1	84	8	74	40	30	55	28	56	50	66	0.80	− 3.8	3	7,467	s.	34	nw.	3	9	10	11	5.5	
San Antonio	701	80	91	29.24	29.97	+ .04	67.1	− 3.0	89	19	76	44	4	58	29	59	54	69	1.74	− 1.2	3	5,765	se.	33	nw.	3	5	15	10	6.0	
Taylor	583	55	63	29.37	29.98	+ .03	66.0	.....	86	8	76	40	30	56	32	.....	.....	.....	0.75	.....	4	8,378	s.	33	se.	28	11	14	5	4.7	
Ohio Val. and Tenn.							55.0	− 1.1										69	3.87	− 0.1										6.0	
Chattanooga	762	106	112	29.18	29.98	− .05	57.8	− 3.1	83	29	68	34	4	48	37	49	42	62	3.51	− 1.0	11	6,715	s.	43	nw.	3	11	12	7	5.0	
Knoxville	1,004	10	88	28.88	29.95	− .08	56.2	− 2.0	84	29	67	30	5	45	38	49	44	73	7.21	+ 2.3	13	6,426	sw.	45	sw.	3	13	7	10	5.0	
Memphis	397	140	154	29.56	29.98	− .02	61.6	− 0.5	81	2	70	42	4	53	31	55	51	72	2.69	− 2.8	8	9,234	nw.	64	nw.	8	9	10	11	5.6	
Nashville	546	122	134	29.40	29.99	− .02	57.6	− 2.2	82	29	68	33	4	48	36	50	45	69	4.00	− 0.8	11	6,829	nw.	37	sw.	3	10	9	11	5.3	
Lexington	989	75	102	28.86	29.93	− .09	53.4	− 2.5	80	29	62	25	5	44	37	.....	.....	.....	3.29	− 0.4	17	9,426	s.	50	nw.	8	5	12	13	6.4	T.
Louisville	525	114	136	29.36	29.96	− .05	56.0	− 0.4	84	29	66	29	5	46	38	48	43	66	4.82	+ 0.4	15	6,977	s.	46	w.	3	8	10	12	6.1	T.
Evansville	431	72	82	29.44	29.91	− .09	55.9	.....	80	29	65	31	4	47	37	.....	.....	.....	3.17	.....	13	6,367	s.	42	sw.	3	7	9	14	6.3	T.
Indianapolis	822	154	164	29.04	29.93	− .07	52.3	− 0.6	79	29	61	26	4	44	40	47	42	74	3.72	0.0	14	9,019	s.	42	s.	2	9	10	11	5.9	T.
Cincinnati	628	152	160	29.25	29.93	− .08	53.6	− 1.0	80	29	63	28	5	44	38	47	41	68	3.49	+ 0.3	15	5,578	sw.	42	sw.	3	7	8	15	6.5	T.
Columbus	824	173	190	29.04	29.91	− .11	51.2	0.0	80	29	60	26	4	42	41	45	40	69	2.47	− 0.7	14	9,441	sw.	52	sw.	12	7	7	16	6.7	T.
Pittsburg	842	116	123	29.02	29.92	− .10	51.6	+ 0.4	83	30	61	24	5	42	40	45	38	61	2.82	0.0	12	4,272	ne.	30	nw.	30	9	8	13	5.8	T.
Parkersburg	638	77	84	29.25	29.93	− .10	53.2	− 0.6	83	30	63	25	5	43	42	47	41	69	4.59	+ 1.6	15	4,654	n.	42	nw.	12	7	5	18	6.9	T.
Elkins	1,940	41	50	27.87	29.93	− .10	48.3	.....	84	30	61	14	5	36	46	42	38	74	3.38	.....	14	3,448	nw.	32	w.	30	7	9	14	6.6	1.2
Lower Lake Region.							46.2	+ 1.5										73	3.92	+ 1.6										5.2	
Buffalo	767	178	206	29.09	29.93	− .08	44.4	+ 2.7	72	30	52	21	5	37	38	40	36	76	4.48	+ 2.0	15	10,226	sw.	52	w.	30	8	9	13	5.8	1.0
Oswego	335	76	91	29.55	29.92	− .09	43.2	+ 0.9	85	30	50	21	4	36	47	39	33	70	3.25	+ 1.2	10	7,982	w.	34	w.	30	15	5	10	4.4	0.6
Rochester	523	81	102	29.36	29.94	− .07	45.4	+ 1.9	85	30	54	23	4	37	50	41	36	74	2.81	+ 0.3	11	6,786	nw.	37	nw.	30	11	8	11	5.3	0.3
Syracuse	597	97	113	29.28	29.93	− .08	44.5	.....	84	30	53	20	5	36	46	.....	.....	.....	2.34	.....	10	9,499	nw.	58	nw.	30	11	7	12	5.6	0.2
Erie	713	92	102	29.15	29.92	− .10	45.5	+ 1.4	80	30	53	20	5	38	44	41	36	73	3.81	+ 1.3	15	7,466	w.	42	s.	13	11	6	13	5.9	0.4
Cleveland	762	190	201	29.10	29.91	− .11	47.2	+ 1.5	80	29	55	22	5	40	40	43	38	74	3.85	+ 1.6	15	11,432	n.	50	nw.	3	11	9	10	5.1	0.6
Sandusky	629	62	70	29.24	29.92	− .10	48.4	+ 1.4	81	29	56	26	5	41	39	.....	.....	.....	3.96	+ 1.5	14	7,077	ne.	36	w.	30	14	9	7	4.2	0.3
Toledo	628	120	127	29.24	29.92	− .09	48.2	+ 0.7	80	29	57	22	4	39	40	42	36	68	3.67	+ 1.4	10	8,563	ne.	36	w.	9	12	8	10	5.1	1.4
Detroit	730	153	193	29.13	29.92	− .10	46.9	+ 1.2	79	29	55	22	4	38	36	41	37	75	5.51	+ 3.3	13	9,893	ne.	41	sw.	30	13	7	10	5.0	4.9
Upper Lake Region.							42.2	+ 2.0										70	2.70	+ 0.4										5.8	
Alpena	609	63	80	29.29	29.96	− .06	40.2	+ 3.1	76	28	48	19	5	33	34	36	30	70	2.00	− 0.2	10	8,711	se.	38	nw.	2	10	4	16	6.2	T.
Escanaba	612	43	57	29.30	29.98	− .04	38.4	+ 2.6	60	26	45	18	4	32	25	35	31	79	1.69	− 0.4	10	8,432	n.	34	n.	15	12	3	15	5.6	3.8
Grand Haven	632	54	92	29.23	29.92	− .09	45.0	+ 1.4	69	29	53	22	5	37	30	40	36	74	4.92	+ 2.4	11	10,469	ne.	38	n.	2	9	7	14	6.1	T.
Houghton	668	66	74	29.24	29.97	− .05	39.3	.....	76	27	47	21	4	32	40	.....	.....	.....	3.70	.....	10	5,626	e.	29	n.	2	12	5	13	5.6	14.2
Marquette	734	79	116	29.18	30.00	− .02	38.5	+ 1.3	71	27	43	23	4	34	36	33	26	64	3.60	+ 1.6	13	8,027	nw.	36	nw.	30	9	6	15	6.3	12.0
Port Huron	638	70	120	29.25	29.95	− .07	44.1	+ 2.4	80	29	52	20	5	36	42	39	34	73	2.19	+ 0.1	14	10,144	ne.	43	n.	3	13	7	10	5.0	3.2
Sault Ste. Marie	614	40	61	29.27	29.95	− .08	39.4	+ 1.7	68	28	47	14	4	32	31	33	25	61	1.19	− 0.4	10	7,195	nw.	33	nw.	9	12	9	9	5.0	1.8
Chicago	823	241	274	29.03	29.93	− .07	47.2	+ 1.6	78	29	54	28	3	40	36	42	38	75	3.77	+ 0.7	13	15,289	ne.	53	s.	2	10	7	13	5.7	3.2
Milwaukee	681	124	142	29.19	29.94	− .05	45.6	+ 2.9	70	28	53	26	4	38	31	39	35	74	2.68	− 0.2	12	10,792	n.	42	n.	14	8	8	14	6.2	2.3
Green Bay	617	49	86	29.27	29.94	− .07	43.7	+ 0.7	68	27	52	21	4	35	31	38	32	69	2.79	+ 0.2	12	11,303	ne.	46	ne.	13	8	7	15	6.3	0.2
Duluth	702	95	116	29.20	29.98	− .03	40.0	+ 2.1	73	27	46	22	3	34	26	35	28	64	2.16	− 0.3	11	8,332	ne.	38	sw.	27	11	8	11	5.5	6.8

TABLE I.—*Climatological data for Weather Bureau Stations, April, 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.							43.5	+ 1.5										66	1.32	— 0.7										4.7	
Moorhead	935	54	60	28.94	29.98	— .01	42.8	+ 1.5	74	27	53	20	30	32	42	38	34	76	2.56	+ 0.3	10	8,590	se.	38	se.	4	10	10	10	5.1	5.0
Bismarck	1,674	16	29	28.18	29.98	+ .01	44.0	+ 1.9	77	26	57	16	30	31	38	37	30	63	0.61	— 1.7	7	8,445	nw.	44	se.	10	19	4	7	3.9	1.6
Williston	1,875	14	44	27.92	29.92	— .04	43.8	+ 1.2	81	26	57	12	29	30	47	36	28	59	0.79	— 0.6	6	8,105	se.	48	nw.	27	11	9	10	5.1	2.4
Upper Miss. Valley.							51.7	+ 0.6										68	3.47	+ 0.4										5.9	
Minneapolis	.....	99	208	.....	.....	.....	45.1	— 2.0	73	27	54	24	4	36	31	.....	.....	.....	3.02	+ 0.2	15	11,307	n.	48	s.	27	6	11	13	....	1.5
St. Paul	837	102	122	29.02	29.94	— .05	45.7	+ 0.5	70	27	54	24	4	37	29	40	34	70	3.46	+ 1.0	16	6,691	nw.	36	nw.	2	14	3	13	5.5	1.4
La Crosse	714	71	87	29.14	29.92	— .06	48.7	+ 1.3	71	27	57	26	30	40	32	.....	.....	.....	4.81	+ 2.6	15	8,283	n.	36	w.	6	10	9	11	5.6	0.5
Davenport	606	71	79	29.24	29.88	— .10	51.7	+ 2.0	78	11	61	31	30	42	32	45	39	67	3.42	+ 0.6	13	7,065	n.	28	w.	24	10	10	10	5.7	T.
Des Moines	861	84	99	29.00	29.93	— .04	51.2	+ 0.7	78	11	62	29	30	41	41	44	38	65	1.64	— 1.2	9	7,809	n.	38	s.	5	6	13	11	6.1	0.5
Dubuque	698	100	117	29.16	29.92	— .06	49.6	+ 1.0	75	29	59	28	30	40	35	43	36	65	3.29	+ 0.5	15	7,251	n.	34	nw.	14	8	5	17	6.6	T.
Keokuk	614	63	78	29.23	29.89	— .09	53.5	+ 1.5	79	11	62	31	3	45	30	46	41	70	4.91	+ 1.7	11	7,114	n.	32	w.	24	10	13	7	5.1	6.1
Cairo	356	87	93	29.57	29.96	— .03	58.1	— 0.8	79	9	66	37	4	50	35	51	46	68	1.85	— 2.0	12	8,270	nw.	39	sw.	19	6	12	12	6.4	
Springfield, Ill.	644	82	93	29.22	29.91	— .07	53.2	— 0.2	84	2	63	29	3	43	35	46	41	70	3.99	+ 0.3	9	8,832	nw.	36	n.	3	8	12	10	5.7	1.0
Hannibal	534	75	110	29.32	29.89	— .09	54.8	+ 1.1	82	2	65	30	4	45	38	.....	.....	.....	4.96	+ 2.2	8	8,673	sw.	38	sw.	11	6	15	9	5.9	3.3
St. Louis	567	111	210	29.30	29.91	— .07	57.4	+ 1.2	85	2	67	32	3	48	30	49	43	65	2.79	— 1.0	14	8,383	s.	44	w.	30	9	8	13	6.1	T.
Missouri Valley.							51.5	+ 0.6										63	2.52	— 0.4										5.0	
Columbia	784	11	84	29.09	29.92	— .06	54.9	— 1.5	83	11	66	29	4	44	36	.....	.....	.....	4.66	+ 1.7	13	7,598	s.	35	nw.	3	7	14	9	5.7	1.5
Kansas City	963	78	95	28.90	29.94	— .02	55.6	+ 1.2	83	11	65	30	3	46	33	47	40	62	2.78	— 0.2	10	8,118	nw.	36	sw.	18	7	16	7	5.2	3.6
Springfield, Mo	1,324	98	104	28.53	29.93	— .04	55.9	— 1.6	81	1	65	31	3	46	29	49	43	69	2.85	— 1.0	9	9,781	nw.	42	sw.	10	16	7	7	4.1	0.5
Topeka	.....	81	89	.....	.....	.....	55.1	— 1.7	85	11	66	29	30	44	35	.....	.....	.....	3.08	+ 0.4	9	9,244	s.	38	s.	5	7	17	6	5.3	4.6
Lincoln	1,189	75	84	28.63	29.89	— .05	52.4	+ 1.0	81	9	64	25	30	41	40	43	36	61	3.59	+ 1.0	8	10,942	n.	44	n.	13	12	11	7	4.4	1.5
Omaha	1,105	115	121	28.73	29.91	— .04	52.8	+ 1.8	82	10	63	27	30	42	35	44	36	60	2.01	— 1.1	9	9,021	n.	38	n.	3	7	12	11	5.7	0.6
Valentine	2,598	47	54	27.17	29.89	— .05	47.2	0.0	79	9	59	19	30	35	38	39	31	61	1.81	— 1.0	5	9,664	n.	55	se.	17	15	8	7	4.2	0.3
Sioux City	1,135	96	164	28.70	29.92	— .03	49.3	+ 1.3	76	23	60	22	30	38	39	.....	.....	.....	2.39	— 0.6	9	11,525	n.	45	s.	27	9	7	14	5.9	0.5
Pierre	1,572	43	50	28.26	29.94	— .01	48.6	+ 2.3	82	26	60	23	30	37	40	40	32	62	1.65	— 0.3	9	7,602	se.	37	se.	10	10	13	7	4.9	3.7
Huron	1,306	56	67	28.54	29.95	— .01	46.0	+ 1.6	75	26	59	17	30	33	40	39	32	65	1.26	— 1.7	7	10,851	n.	42	s.	26	8	9	13	5.7	1.3
Yankton	1,233	42	49	28.56	29.89	— .06	49.0	+ 2.3	79	23	62	18	30	36	43	.....	.....	.....	1.65	— 1.4	8	7,765	nw.	35	n.	13	14	9	7	4.4	4.7
Northern Slope.							44.4	— 0.2										62	1.72	0.0										5.0	
Havre	2,505	46	53	27.28	29.92	— .01	44.0	0.0	75	22	56	17	29	32	39	37	30	64	0.95	0.0	7	6,799	sw.	42	sw.	7	11	12	7	4.9	0.2
Miles City	2,371	42	50	27.38	29.90	— .06	47.6	+ 1.0	82	26	60	20	6	35	42	43	38	72	0.56	— 0.5	5	5,600	nw.	38	se.	14	13	13	4	4.3	1.7
Helena	4,110	88	94	25.73	29.96	— .01	42.2	— 1.3	71	25	52	17	29	33	35	33	23	52	1.57	+ 0.4	12	6,435	sw.	33	sw.	6	9	9	12	5.8	9.7
Kalispell	2,965	45	51	26.87	29.95	— .01	41.1	.....	71	25	51	22	29	32	40	34	26	59	0.95	.....	9	4,162	w.	30	sw.	6	10	15	5	5.1	2.2
Rapid City	3,234	46	50	26.53	29.92	— .03	45.7	— 0.9	81	26	58	21	29	34	40	38	31	65	3.51	+ 1.2	9	6,786	nw.	34	n.	11	17	5	8	4.2	1.3
Cheyenne	6,088	56	64	23.92	29.95	+ .04	40.0	— 0.9	71	26	52	4	13	28	40	32	25	62	2.10	+ 0.7	10	8,335	nw.	48	sw.	1	7	14	9	5.6	14.3
Lander	5,372	26	36	24.55	29.93	— .01	41.4	— 0.6	72	26	54	14	13	28	41	34	25	60	2.41	— 0.3	11	3,703	sw.	32	sw.	26	11	12	7	4.9	16.9
North Platte	2,821	43	52	27.00	29.92	.00	49.7	+ 1.1	82	27	62	19	30	37	38	41	34	65	0.95	— 1.2	4	7,953	nw.	36	s.	26	14	11	5	4.8	3.0
Middle Slope.							53.8	— 0.4										60	1.74	— 0.4										4.2	
Denver	5,291	79	151	24.64	29.90	.00	48.1	+ 1.2	75	23	60	18	13	36	41	38	27	52	0.81	— 1.2	6	6,452	s.	48	nw.	18	9	13	8	4.7	8.5
Pueblo	4,685	80	86	25.21	29.89	+ .01	50.6	+ 0.1	80	23	64	19	30	37	43	39	26	47	0.36	— 1.1	6	6,371	nw.	44	nw.	9	11	12	7	4.7	0.1
Concordia	1,398	42	47	28.44	29.92	— .01	54.2	— 1.1	85	10	66	27	30	42	37	47	43	74	3.34	+ 1.0	9	7,707	s.	39	s.	5	14	9	7	4.4	0.8
Dodge	2,509	44	54	27.33	29.93	+ .03	53.6	— 0.1	86	23	68	25	30	40	40	44	36	62	1.97	+ 0.4	6	11,270	se.	48	s.	4	15	6	9	4.6	1.3
Wichita	1,358	78	86	28.50	29.94	+ .01	56.8	— 1.0	89	1	68	30	30	45	40	49	44	69	3.31	+ 0.4	9	9,088	s.	37	n.	13	18	9	3	3.8	4.3
Oklahoma	1,214	79	86	28.65	29.93	+ .01	59.8	— 1.2	87	1	71	33	30	48	39	50	41	57	0.64	— 2.0	6	11,655	s.	44	sw.	18	19	8	3	3.1	
Southern Slope.							59.8	— 0.6										55	0.70	— 1.5										4.9	
Abilene	1,738	45	54	28.15	29.95	+ .05	64.0	— 1.3	93	2	76	34	30	52	38	53	44	57	0.49	— 2.2	4	7,921	se.	42	w.	2	10	13	7	5.1	
Amarillo	3,676	43	52	26.18	29.90	+ .03	55.5	+ 0.2	85	8	69	26	30	42	49	43	33	53	0.90	— 0.8	8	12,198	s.	50	w.	2	12	12	6	4.7	0.2
Southern Plateau.							56.9	— 1.7										33	0.95	+ 0.5										2.8	
El Paso	3,762	10	110	26.40	29.82	— .01	64.6	+ 0.8	88	1	78	40	30	51	36	46	27	31	0.54	+ 0.4	1	10,326	w.	73	sw.	2	12	15	3	3.9	
Santa Fe	7,013	47	50	23.19	29.87	+ .03	47.0	+ 0.4	68	24	58	22	13	36	31	35	21	40	0.67	0.0	6	6,169	se.	39	se.	28	14	13	3	3.6	0.7
Flagstaff	6,907	12	25	23.27	29.85	+ .01	41.0	— 5.8	69	23	25	19	3	27	43	34	.....	.....	3.85	+ 2.4	7	.....	sw.	.....	.....	.....	16	8	6	3.5	4.4
Phoenix	1,108	50	56	28.71	29.86	— .01	66.3	— 0.7	94	23	81	45	3	52	42	49	32	34	0.45	+ 0.2	1	3,345	e.	24	sw.	2	26	0	4	2.2	
Yuma	141	16	50	29.71	29.86	— .03	68.4	— 1.7	97	23	83	47	15	54	43	52	34	34	T.	— 0.1	0	5,072	w.	32	nw.	1	28	1	1	0.5	
Independence	3,910	51	58	25.90	29.88	— .02	54.0	— 3.3	80	24	66	32	11	42	35	39	16	26	0.19	0.0	2	6,953	nw.	38	w.	10	19	7	4	3.2	0.4
Middle Plateau.							46.7	— 2.8										51	0.74	— 0.4										4.2	
Carson City	4,720	82	92	25.22	29.96	— .01	43.4	— 4.6	72	24	56	16	2	31	37	35	27	55	0.50	— 0.4	3	5,211	w.	34	sw.	9	19	8	3	2.8	4.5
Winnemucca	4,344	59	70	25.55	29.95	— .01	43.4	— 3.9	74	24	56	16	11	31	36	36	27	57	0.59	— 0.4	4	6,680	sw.	38	nw.	30	15	4	11	4.6	3.4
Modena	5,479	10	38	24.53	29.87	— .01	44.1	.....	76	24	58	18	13	30	44	33	19	45	0.61	.....	6	8,012	w.	43	sw.	1	16	9	5	3.4	1.4
Salt Lake City	4,366	105	110	25.54	29.91	— .01	48.2	— 1.3	80	25	59	25	12	38	35	38	25	44	1.11	— 1.1	8	5,261	se.	36	n.	4	6	17	7	5.7	0.5
Grand Junction	4,608	43	51	25.29	29.86	— .02	51.8	— 1.4	79	23	64	27	13	40	34	42	34	55	0.78	+ 0.1	6	5,048	se.	41	sw.	1	11	14	5	4.4	
Northern Plateau.							46.7	— 2.7										59	0.72	— 0.6										5.7	
Baker City	3,471	53	59	26.40	30.01	+ .01	42.4	— 2.2	75	25	52	21	11	32	34	34	24	52	0.09	— 1.1	5	5,101	se.	28	nw.	27	8	6	16	6.5	0.2
Boise	2,739	61	68	27.13	30.00	+ .02	49.0	— 1.9	79	25	60	24	5	38	33	39	28	51	0.69	— 0.5	6	4,007	nw.	24	sw.	10	10	8	12	5.6	0.7
Lewiston	757	52	61	29.20	30.01	+ .02	50.8	— 2.2	81	25	62	27	5	40	38	.....	.....	.....	0.69	— 0.3	5	3,383	e.	33	nw.	3	11	11	8	4.9	
Pocatello	4,482	46	54	25.40	29.92	— .02	43.8	— 3.0	76	25	54	20	2	33	36	37	30	60	1.54	0.0	8	6,658	sw.	35	sw.	4	8	16	6	5.2	9.4
Spokane	1,929	101	110	27.94	30.01	+ .02	44.8	— 3.2	76	25	55	26	11	34	33	37	27	57	0.40	— 1.0	6	5,653	s.	40	sw.	7	3	10	17	6.9	1.2
Walla Walla	1,000	65	73	28.95	30.03	+ .02	49.4	— 3.9	75	24	60	31	5	39	34	45	42	77	0.89	— 0.7	8	4,743	s.	30	s.	25	8	18	4	5.1	T.
N. Pac. Coast Reg.							46.8	— 1.9										76	2.58	— 1.6										6.8	
North Head	211	11	56	29.86	30.09	+ .04	46.0	— 2.0	68	28	50	33	10	42	26	43	41	84	4.15	— 1.3	23	11,778	nw.	50	se.	21	3	8	19	7.6	0.9
Port Crescent	259	13	20	29.84	.....	.....	43.2	— 1.4	59	29	50	28	10	36	24	.....	.....	.....	1.88	— 2.2	11	3,761	w.	28	w.	1	0	22	8	6.5	
Seattle	123	114	151	29.95	30.08	+ .05	47.9	— 2.0	65	28	55	35	11	41	26	42	37	71	1.56	— 1.2	16	5,437	se.	34	se.	6	6	15	9	5.9	
Tacoma	213	113	120	29.84	30.07	+ .04	46.4	— 2.5	66	29	54	32	15	39	28	.....	.....	.....	3.05	— 0.4	18	4,738	sw.	28	sw.	7	0	13	17	7.4	1.0
Tatoosh Island	86	7	57	29.94	30.03	+ .03	45.6	— 0.5	60	28	50	33	9	41	17	43	41	86	4.40	— 3.0	18	10,245	w.	55	sw.	6	6	8	16	6.5	T.
Portland, Oreg.	154	68	96	29.92	30.07	+ .01	49.8	— 1.8	73	24	58	34	1	42	30	44	38	70	2.25	— 1.0	17	4,185	nw.	30	sw.	6	4	8	18	7.0	0.2
Roseburg	518	56	67	29.53	30.09	+ .02	48.4	— 2.8	74	24	58	27	12	38	37	43	37	71	0.80	— 1.8	14	2,847	nw.	26	sw.	16	7	10	13	6.6	0.3
Mid. Pac. Coast Reg.							53.1	— 1.4										66	0.63	— 1.8										3.3	
Eureka	62	62	80	30.06	30.14	+ .03	48.7	— 1.3	64	20	54	34	11	44	18	45	40	74	1.23	— 3.0	9	7,568	n.	44	n.	4	11	10	9	4.9	T.
Mount Tamalpais	2,375	11	18	27.55	30.04	— .01	49.2	.....	70	24	56	31	10	42	26	41	34	63	0.79	.....	5	13,085	nw.	71	nw.	9	16	14	0	2.7	
Red Bluff	332	50	56	29.66	30.02	— .01	56.2	— 3.1	81	23	68	36	10	45	34	47	38	56	0.38	— 1.8	2	4,619	se.	30	n.	4	20	8	2	2.5	
Sacramento	69	106	117	29.93	30.00	— .01	56.1	— 2.1	77	24	66	40	14	46	29	49	42	65	0.46	— 1.8	5	6,557	s.	36	nw.	5	18	9	3	2.8	
San Francisco	155	161	167	29.90	30.07	+ .02	54.0	— 0.6	71	8	60	42	10	48	20	48	44	74	0.56	— 1.4	3	7,729	w.	35	w.	9	18	7	5	3.2	
Point Reyes Light	490	7	50	29.49	30.00	.....	50.4	0.0	61	21	55	41	10	46	14	.....	.....	.....	0.51	— 1.2	4	20,598	nw.	77	nw.	1	17	3	10	3.8	
S. Pac. Coast Reg.							57.4	— 1.3										71	1.83	+ 0.5										3.9	
Fresno	330	67	70	29.64	30.00	+ .01	57.5	— 3.3	85	30	70	35	11	45	38	49	40	59	0.50	— 0.8	4	3,084	nw.	20	nw.	4	21	5	4	2.6	
Los Angeles	338	116	123	29.62	29.98	— .01	58.0	— 0.9	77	3	66	45	12	50	28	52	48	77	3.77	+ 2.4	4	3,777	sw.	20	sw.	1	9	13	8	5.3	
San Diego	87	94	102	29.88	29.96	— .03	58.4	+ 0.1	73	3	64	47	12	53	24	54	50	78	1.40	+ 0.6	6	4,860	nw.	33	sw.	17	14	7	9	4.8	
San Luis Obispo	201	46	48	29.83	30.04	— .01	55.7	— 1.1	80	30	66	36	15	45	37	48	43	70	1.66	— 0.3	3	4,601	w.	23	w.	10	20	7	3	2.7	
West Indies.																															
Bridgetown	30	57	65	29.88	29.92	— .03	79.2	+ 2.0	86	25	85	72	7	74	14	73	71	76	1.38	+ 0.2	13	5,628	e.	24	e.	26	9	10	11	5.7	
Grand Turk	11	6	20	29.95	29.96	— .05	78.0	.....	89	22	85	53	17	71	30	.....	.....	.....	1.88	.....	8	.....	e.	.....	.....	.....	19	9	2	3.6	
Havana	57	87	105	29.92	29.98	— .01	73.8	— 2.3	87	14	80	59	25	67	21	.....	.....	.....	0.44	— 2.4	3	8,238	e.	44	ne.	28	19	11	0	2.8	
San Juan	82	48	90	29.85	29.93	— .05	78.0	.....	90	16	84	69	14	72	16	72	69	75	3.07	— 0.5	11	6,909	se.	29	e.	26	7	18	5	4.7	

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, April, 1903.*

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	Ins.	Ins.
Alabama.					
Anniston	81	32	57.7	5.51	
Ashville	82	31	59.6	4.79	
Benton				3.16	
Bermuda	86[c]	35[c]	63.5[c]	1.35	
Birmingham	84	37	62.9	2.27	
Bridgeport				4.08	
Burkeville				2.70	
Calera				0.79	
Camphill	85	33	61.0	1.84	
Citronelle	84	39	65.6	1.38	
Clanton	80	30	58.2	2.56	
Cordova	85	30	60.8	2.81	
Daphne	85	39	65.8	T.	
Decatur	87	35	61.0	3.12	
Demopolis				1.90	
Dothan	89	41	65.2	1.67	
Eufaula	83	35	61.8	1.74	
Eutaw[e]	88	39	61.8	1.16	
Evergreen	83	38	62.9	3.35	
Flomaton	86	32	62.9	0.45	
Florence *a*				2.78	
Florence *b*	82	31	59.6	2.85	
Fort Deposit	84	38	62.3	2.62	
Gadsden	85	33	58.6	3.76	
Goodwater	83	33	59.2	4.39	
Greensboro	84	41	63.2	1.31	
Greenville				3.45	
Haleysville	85	34	61.4	4.72	
Hamilton	84	33	59.8	1.97	
Helena				2.07	
Highland Home	84	39	62.8	2.20	
Letohatchie				2.55	
Livingston	85	37	60.8	1.25	
Lock No. 4	84	35	59.2	3.39	
Madison Station	83	35	60.9	3.85	
Maplegrove	84	30	57.0	4.68	
Marion	83	38	62.0	1.71	
Milstead				3.94	
Newbern	87	38	62.6	1.89	
Newburg	84	30	61.0	4.95	
Notasulga				2.75	
Oneonto	79	30	58.0	5.54	
Opelika	82	36	59.0	4.73	
Ozark	85	39	63.4	2.30	
Prattville	86	35	61.2	2.39	
Pushmataha	85	33	63.0	0.25	
Riverton	84	31	58.6	2.50	
Scottsboro	83	33	57.0	3.40	
Selma	83	38	61.5	2.50	
Talladega	86	32	61.1	2.88	
Tallassee				3.30	
Thomasville	85	37	62.5	1.70	
Tuscaloosa	85	35	60.6	1.34	
Tuscumbia	83	35	59.2	2.74	
Tuskegee	84	37	63.7	3.89	
Union Springs	83	38	62.0	3.40	
Uniontown	85	37	61.8	1.92	
Valleyhead	84	32	57.5	3.95	
Verbena				1.28	
Wetumpka	84	36	62.8	2.66	
Alaska.					
Copper Center	58	—25	24.1		
Kenai	59	—17	28.2	0.67	9.5
Killisnoo	59	19	38.6	6.15	
Sitka	63	21	39.5	4.25	4.0
Skagway	60	9	39.4	0.48	4.0
Tyoonok	56	— 1	32.2	1.01	17.2
Arizona.					
Agua Caliente	100	35	68.5	0.00	
Allaire Ranch				0.00	
Arizona Canal Co's Dam	94	40	66.1	0.39	
Ashfork	80	14	44.4	0.20	
Aztec	103	44	71.0	0.00	
Benson	90	31	61.8	0.00	
Bowie	85	28	53.2	0.00	
Buckeye	92	32	63.2	T.	
Champie Camp	100	34	63.4	0.40	
Cochise *[1]	100	40	60.7	0.00	
Congress	87	41	63.0	0.40	
Dudleyville	98	34	64.4	0.03	
Duncan	89	25	57.4	T.	
Fort Defiance	72	16	44.0	0.85	
Gilabend	99[e]	37	66.5[c]	0.14	
Greaterville[g]	80	33	55.8	0.00	
Jerome	82	35	57.1	0.90	T.
Maricopa	96	41	66.7	T.	
Mesa	95	42	66.0	0.34	
Mesa (near)	95	39	64.2	0.29	
Mohawk Summit *[1]	86	60	69.1	0.00	
Natural Bridge				0.65	
Nogales	88	35	60.0	0.00	
Oracle	83	38	60.8	0.00	
Oro				0.10	
Parker	102	38	67.9	0.33	
Phoenix	97	39	64.8	0.39	
Pinal Ranch				0.13	
Prescott	76	24	47.1	1.06	
San Simon	90	32	62.9	0.00	
Arizona—Cont'd.					
Sentinel *[5]	100	58	75.0	0.00	
Signal	99	35	63.3	0.61	
Superstition				0.07	
Taylor	82	25	51.0	0.18	
Tuba	85	30[d]	57.4	0.38	
Tucson	92	37	62.2	0.00	
Vail *[5]	83	53	66.8	0.00	
Walnut Grove				0.05	
Wilcox	89	29	56.6	0.00	
Yarnell				0.42	
Arkansas.					
Alco	83	35	59.2	2.78	T.
Amity	86	34	61.1	1.82	
Arkadelphia	85	31	62.3	1.55	
Arkansas City				2.34	
Batesville	85	32	60.0	2.07	
Beebranch	83	31	60.4	1.50	
Blanchard	85	32	63.0	1.56	
Brinkley	83	33	60.4	1.81	
Camden *a*				1.28	
Camden *b*	88	35	63.6	1.37	
Conway	84	32	61.1	1.18	
Corning	83	33	58.2	4.92	T.
Dallas	86	32	63.3	1.06	
Dardanelle				1.50	
Dutton	81	29	57.1	3.25	2.5
Eureka Springs	85	31	58.8	2.11	T.
Fayetteville	82	30	56.2	2.12	T.
Forrest City	83	33	61.0	1.79	
Fulton				1.04	
Hardy	81	30	59.0	2.81	
Helena *a*				1.74	
Helena *b*	84	33	61.2	1.45	
Jonesboro	84	35	60.6	1.50	
Lacrosse	84	32	58.4	2.27	
Lake Village	88	42	62.7	1.03	
Lonoke	85	33	61.6	2.18	
Lutherville	85	28	58.2	1.58	T.
Malvern	89	30	61.4	2.60	
Marianna	82	33	60.4	1.85	
Marvell	82	33	61.6	1.97	
Mossville	80	29	55.2	3.68	
Mountain Home	85	35	62.8	1.06	T.
Mount Nebo	79	33	59.0	1.59	
New Gascony	85	37	62.8	1.35	
Newport *a*				3.49	
Newport *b*	85	32	61.6		
Newport *c*	83	32	60.2	3.64	
Oregon	87	30	58.2	1.76	T.
Ozark	88	34	62.5	1.33	
Paragould	82	29	59.4	3.17	
Perry	85	33	62.4	1.05	
Pinebluff	91[c]	30[c]	63.7[c]	1.59	
Pocahontas	84	34[d]	59.5	3.02	
Pond	84	26	57.8	1.78	T.
Prescott	84	38	64.6	0.69	
Princeton	87	28	61.4	1.42	
Rison	89	27	59.8	1.85	
Rosadale	87	31	64.0	0.53	
Russellville	84	31	58.6	1.19	
Silversprings	83	30	59.0	1.25	T.
Spielerville	89	34	62.2	2.04	
Stuttgart	83	32	60.0	2.20	
Texarkana	86	33	64.6	1.25	
Warren	86	31	61.7	1.70	
Washington	88	33	63.2	0.46	
Wiggs	84	27	60.6	0.68	
Winchester	87[c]	34[c]	61.3[c]		
Winslow	80	28	56.4	1.88	T.
Witts Springs	80	31	56.1		T.
California.					
Angiola	86	27	56.6	0.22	
Azusa	86	42	61.4	4.30	
Bagdad	95	40	67.4	0.00	
Bakersfield	88	30	58.4	0.49	
Ballast Point L. H				1.20	
Barstow	89	32	58.2	0.10	
Berkeley	70	37	53.4	1.11	
Bishop	83	21	50.4	0.14	
Boca *[1]	72	18	37.1	0.70	7.0
Bodie	64	— 2	30.2	0.88	9.5
Bowman	66	18	41.8	2.54	15.5
Branscomb	73	25	46.6	1.08	
Caliente *[1]	78	43	56.7	2.42	
Calistoga	80	33	55.8	0.41	
Campbell	77	32	52.4	0.81	
Campo				3.23	
Cape Mendocino L. H				1.60	
Cedarville	70	11	41.0	0.11	2.0
Chico	83	30	56.4	0.40	
Cisco *[1]	54	18	36.2	4.20	42.0
Cloverdale	84	33	55.8	0.34	
Colusa	77	36	55.8	0.08	
Corning *[1]	78	40	55.4	0.15	
Coronado	75	46	60.6	0.86	
Crescent City	65	30	48.8	3.40	T.
Crescent City L. H				3.24	
Cuyamaca	65	25	41.2	8.21	0.8
California—Cont'd.					
Delta *[1]	82	36	51.4	0.38	
Drytown	80	32	53.6	2.20	
Dunnigan *[1]	77	47	59.0	0.12	
Durham *[5]	79	33	55.6	0.38	
East Brother L. H				0.20	
Elcajon	82	36	58.2	1.29	
Elmdale	82	32	55.4	0.15	
Elmira	83	43	62.0	0.90	
Elsinore	90	35	58.4	1.71	
Escondido	80	35	56.2	3.84	
Fallbrook	82	38	57.3	4.35	
Folsom *[1]	84	40	57.4	0.89	
Fordyce Dam				3.00	24.0
Fort Bragg				T.	
Fort Ross	68	32	50.8	0.36	
Foster				2.71	
Georgetown	73	28	49.4	2.06	2.0
Gilroy (near)	81	30	54.6	0.02	
Glendora				4.31	
Greenville	79	17	44.7	1.05	1.0
Hanford	86	35	62.3	0.50	
Healdsburg	81	30	54.4	0.39	
Hollister	79	30	54.2	0.84	
Humboldt L. H				1.31	
Idylwild				6.10	6.0
Imperial	107	50	74.4	T.	
Indio *[1]	98	53	72.6	0.75	
Iowa Hill *[1]	74	33	51.0	2.66	0.8
Irvine	82	48	61.8	4.12	
Jackson	76	32	52.2	1.31	
Jamestown	79	29	52.8	1.33	
Jolon				0.99	
Kennedy Gold Mine	74	26	45.6	1.46	
Kent	77	32	55.3	0.31	
King City	82	28	54.1	0.67	
Lakeport (near)	76	35	53.7	0.20	
Lamesa				1.75	
Laporte *[1]	66	16	39.0	2.18	11.7
Legrand	88	31	57.6	0.25	
Lemoncove	88	37	60.0	1.68	
Lick Observatory	69	26	43.7	1.12	
Lime Point L. H				0.11	
Livermore	83	30	55.4	0.81	T.
Lodi	81	33	54.6	0.23	
Los Gatos	77	36	53.6	0.78	
Lowe Observatory				4.00	
Mammoth	99	47	72.9	0.00	
Manzana	83	32	54.8	3.46	3.0
Mare Island L. H				0.60	
Meadow Valley *[1]	75	17	40.0	1.88	2.0
Merced	85	31	55.8	T.	
Mercury	84	36	58.2	0.25	
Mills College				1.14	
Milo				2.29	
Milton (near)	77	36	54.4	0.79	
Modesto *[1]	85	40	62.8	1.45	
Mohave	84	24	51.4	1.00	T.
Mokelumne Hill				1.02	
Montague	81	21	47.0	0.08	T.
Mount St. Helena				0.20	
Napa	79	35	54.6	1.13	
Needles	98	47	72.4	T.	
Nevada City	76	26	47.6	1.46	1.0
Newcastle	88	29	56.4	1.24	
Newman	81	33	57.2	0.07	
Niles	78	36	55.3	0.75	
North Bloomfield	75	24	47.6	1.91	0.8
North San Juan	80	32	53.7	1.14	
Oakland	73	39	55.6	0.55	
Ogilby *[1]	102	60	77.5	0.00	
Ontario	85	39	59.8	3.43	
Orland	83	34	56.4	0.28	
Orleans	90	30	57.7	0.84	
Palermo	82	31	55.0	0.14	
Paso Robles	84	29	52.3	0.79	
Peachland *[5]	77	32	55.3	0.37	
Piedras Blancas L. H				0.74	
Pigeon Point L. H				0.30	
Pilot Creek				1.60	8.0
Pine Crest	78	42	56.7	3.12	
Placerville	72	28	48.6	2.11	
Point Ano Nuevo L. H				0.39	
Point Arena L. H				0.65	
Point Bonita L. H				0.28	
Point Conception L. H				1.25	
Point Fermin L. H				3.20	
Point George L. H				1.52	
Point Hueneme L. H				2.56	
Point Lobos	64	41	53.0	0.67	
Point Loma L. H				0.51	
Point Montara L. H				0.10	
Point Pinos L. H				0.15	
Point Sur L. H				0.38	
Porterville	87	32	58.7	1.02	
Poway				1.95	
Quincy	74	24	45.1	0.52	T.
Redding	78	35	55.8	1.09	
Redlands	86	36	57.4	3.88	

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
California—Cont'd.	°	°	°	*Ins.*	*Ins.*
Reedley	83	35	58.2	1.26	
Represa	86	32	61.6	1.04	
Riovista	79	34	56.0	0.65	
Riverside	82	36	57.9	2.49	
Roe Island L. H.	.....	.....	.....	0.25	
Rohnerville *[5]	66	29	50.2	1.05	
Rosewood	80	29	53.1	0.51	
Sacramento	80	37	56.4	0.55	
Salinas	78	32	54.0	0.17	
Salton *[1]	108	45	72.6	1.33	
San Bernardino	89	36	58.0	3.10	
San Jacinto	84	37	57.0	4.99	
San Jose	82	34	56.2	0.84	
San Leandro	76	32	54.3	0.74	
San Luis L. H.	.....	.....	.....	1.33	
San Mateo *[1]	77	44	55.8	1.15	
San Miguel *[1]	82	38	56.8	0.66	
San Miguel Island	65	44	54.2	0.70	
Santa Barbara	76	40	57.0	2.91	
Santa Barbara L. H.	.....	.....	.....	2.59	
Santa Clara	.....	.....	.....	1.99	
Santa Clara College	79	30	53.6	0.82	
Santa Cruz	78	31	53.6	0.25	
Santa Cruz L. H.	.....	.....	.....	0.41	
Santa Maria	80	38	57.2	0.71	
Santa Monica	72	41	54.6	2.84	
Santa Paula	85	42	64.8	2.65	
Santa Rosa	78	30	52.8	0.60	
Shasta	84	35	57.2	1.30	
Sierra Madre	79	42	57.1	4.06	
Sisson	81	22	45.7	0.13	T.
Sonoma	.....	.....	.....	0.50	
S. E. Farallone L. H.	.....	.....	.....	0.43	
Stockton	78	39	54.8	0.33	
Storey	82	30	55.9	0.38	
Summerdale	66	23	41.8	3.37	10.0
Susanville	75	17	44.5	0.41	2.0
Tehama *[1]	80	42	60.6	0.41	
Tejon Ranch	85	33	55.6	1.42	
Trimmer	.....	.....	.....	2.62	
Trinidad L. H.	.....	.....	.....	3.60	
Truckee *[1]	68	18	37.9	3.40	32.0
Tulare [c]	88	30	57.8	0.41	
Tustin	76	52	63.2	3.00	
Ukiah	86	27	52.4	0.01	
Upland	82	36	55.0	4.00	
Upperlake	83	25	51.6	0.20	
Upper Mattole *[1]	76	30	50.2	1.88	
Vacaville *[1]	80	41	56.0	0.01	
Visalia	86	30	57.2	0.25	
Volcano Springs *[4]	103	40	69.4	0.00	
Wasco	87	35	58.7	0.20	
Wheatland	77	34	54.4	0.49	
Williams *[1]	80	40	60.4	0.80	
Willits	80	28	49.8	0.18	
Willow	78	33	55.3	T.	
Yerba Buena L. H.	.....	.....	.....	0.40	
Zenia	78	22	46.6	0.76	
Colorado.					
Alford	73	6	41.9	1.22	13.5
Ashcroft	60	− 7	31.7	2.12	28.0
Blaine	89	19	51.6	1.53	5.2
Boulder	75	20	48.3	2.31	18.0
Boxelder	.....	.....	.....	1.96	
Buenavista	.....	.....	.....	0.80	8.0
Canyon	79	11	50.2	1.62	11.0
Castlerock	77	6	44.8	1.04	9.0
Cedaredge	80	16	47.6	1.03	
Cheesman	72	3	43.6	0.92	8.8
Cheyenne Wells	79	14	48.4	0.94	9.0
Clearview	58	2	35.6	1.85	T.
Colorado Springs	71	18	45.6	0.93	
Collbran	79	15	45.4	2.11	
Durango	75	20	45.3	2.60	7.0
Fort Collins	78	13	45.2	1.50	5.5
Fort Morgan	80	19	48.0	0.54	2.0
Fox	83	12	48.1	0.73	
Fruita	82	25	49.0	1.40	T.
Garnett	69	9	40.2	0.59	
Gilman	.....	.....	.....	2.92	38.5
Gleneyre	75	10	44.8	1.15	
Glenwood	74	11	43.8	1.14	0.1
Greeley	79	21	48.0	0.56	3.0
Gunnison	70	0	38.0	2.18	15.7
Hamps	77	11	45.5	0.53	3.5
Hoehne	78	5	48.1	0.85	5.5
Holly	85	10	51.5	0.98	.....
Holyoke (near)	84	15	48.6	0.35	1.0
Husted	73	9	43.2	0.75	5.0
Lake Moraine	55	0	31.0	2.55	25.9
Lamar	87	20	53.8	1.44	7.0
Laporte	.....	.....	.....	1.85	6.0
Las Animas	85	16	51.6	0.95	3.5
Lay	.....	.....	.....	0.83	12.0
Leadville (near)	.....	.....	.....	1.77	27.5
Leroy	80	13	45.4	1.12	2.2
Longs Peak	57	− 4	32.1	2.55	23.0
Mancos	74	10	43.2	2.87	18.4
Colorado—Cont'd.	°	°	°	*Ins.*	*Ins.*
Marshall Pass	.....	.....	.....	1.12	19.0
Meeker	73	2	41.9	2.46	19.5
Moraine	61	12	36.4	1.42	16.0
Pagoda	76	− 1	40.9	3.13	12.0
Parachute	78	20	48.4	2.14	0.5
Platte Canon	.....	.....	.....	2.31	12.5
Rangely	79	12	47.4	1.00	6.0
Rockyford	85	20	52.9	0.56	
Rogers Mesa	78	18	47.2	1.19	2.3
Ruby	.....	.....	.....	10.45	131.0
Russell	65	2	36.8	1.87	9.0
Saguache	75	18	42.7	0.52	
Salida	72	6	43.2	0.70	2.5
San Luis	72	5	42.2	1.25	
Santa Clara	70	0	41.0	2.58	20.3
Silt	75	16	45.0	2.34	8.0
Sugarloaf	63	6	38.4	2.00	22.0
Telluride	70	4	37.4	6.49	97.5
Trinidad	76	20	50.0	1.80	8.0
Twinlakes	.....	.....	.....	0.84	11.5
Vilas	.....	.....	.....	0.45	T.
Wagon Wheel	64	− 3	35.4	1.17	15.0
Wallet	.....	.....	.....	1.00	10.0
Waterdale	78	16	47.2	1.45	.....
Westcliffe	68	0	37.6	1.67	13.9
Whitepine	53	− 6	27.8	2.94	39.2
Wray	84	16	49.8	0.54	2.0
Yuma	.....	.....	.....	0.40	4.0
Connecticut.					
Bridgeport	86	25	49.5	3.52	T.
Canton	85	19	45.6	3.07	T.
Colchester	82	23	47.3	3.12	T.
Falls Village	.....	.....	.....	2.85	0.8
Gaylordsville	.....	.....	.....	2.64	2.0
Hartford	82	24	48.3	2.54	T.
Hawleyville	82	22	47.0	2.50	
Lake Konomoc	.....	.....	.....	3.83	
New London	83	25	48.0	3.40	T.
North Grosvenor Dale	84	22	46.3	3.23	T.
Norwalk	87	22	48.6	3.22	
Southington	82	21	46.8	2.50	0.2
South Manchester	.....	.....	.....	1.81	
Storrs	81	22	46.0	2.81	T.
Voluntown	84	20	46.5	3.67	T.
Wallingford	.....	.....	.....	3.13	
Waterbury	84	22	48.4	3.38	T.
West Cornwall	81	18	45.4	3.20	1.0
West Simsbury	.....	.....	.....	2.95	1.0
Winsted	83	22	46.5	.....	
Delaware.					
Delaware City	.....	.....	.....	2.29	
Milford	93	27	54.8	3.68	
Millsboro	85	27	52.8	3.46	T.
Newark	87	25	51.2	4.91	
Seaford	86	28	52.6	3.98	T.
District of Columbia.					
Distributing Reservoir *[5]	84	30	55.0	4.07	
Receiving Reservoir *[5]	82	27	54.0	4.08	
West Washington	89	24	52.8	4.98	
Florida.					
Archer	87	40	65.8	0.14	
Avon Park	88	44	69.0	0.16	
Bartow	87	45	69.8	0.60	
Bonifay	84	39	65.2	.....	
Brooksville [k]	86	46	66.7	0.10	
Carrabelle	83	42	65.6	0.00	
Clermont	88	50	69.5	0.02	
De Funiak Springs	86	38	64.3	0.24	
Deland	87	40	65.8	.....	
Eustis	89	46	69.4	0.44	
Federal Point	83	45	66.0	0.24	
Fernandina	82	45[e]	63.6[e]	1.44	
Flamingo	85	52	71.4	1.12	
Fort George *[1]	84	52	66.3	.....	
Fort Meade	88	40	68.9	0.91	
Fort Myers	83	53	69.6	T.	
Fort Pierce	85	50	69.0	0.00	
Gainesville	84	44	66.4	0.37	
Grasmere	86	46	67.4	.....	
Holt	85	37	66.4	0.00	
Huntington	88	43	67.2	0.50	
Hypoluxo	88	53	72.0	0.83	
Inverness	88	40	67.1	0.10	
Jasper	78	46	65.2	0.84	
Johnstown [d]	87	40	64.5	0.62	
Kissimmee	85	45	68.0	0.25	
Lake City	85	41	65.5	1.29	
Macclenny	89	40	65.8	1.45	
Malabar	87	48	70.0	0.09	
Manatee	89	43	68.8	0.27	
Marco	87	53	72.6	1.08	
Marianna	84	39	64.4	1.24	
Merritt Island	84	56	69.9	0.44	
Miami [h]	89	51	72.8	0.00	
Micanopy	87	43	66.7	0.90	
Middleburg	87	36	63.5	1.01	
Molino	88	35	64.4	T.	
New Smyrna	86	45	66.2	0.25	
Florida—Cont'd.	°	°	°	*Ins.*	*Ins.*
Nocatee [i]	87	42	67.6	0.02	
Ocala	90	44	66.8	T.	
Orange City	90	39	67.4	0.35	
Orlando	89	45	69.1	.....	
Pinemount	86	40	65.0	1.53	
Quincy	85	34	63.0	0.30	
Rockwell	89	42	67.4	0.11	
St. Andrews	85	37	64.0	0.34	
St. Augustine	86	44	65.8	0.29	
St. Leo	89	45	68.0	0.11	
Stephensville	88	39	63.4	T.	
Sumner	85	39	63.8	0.00	
Switzerland	84	44	65.4	1.22	
Tallahassee	83	42	64.2	0.11	
Tarpon Springs	86	46	67.6	0.18	
Titusville	87	46	67.3	0.43	
Waukeenah	88	40	66.0	0.06	
Wausau	88	35	65.8	0.01	
Wewahitchka	87	41	65.4	0.46	
Georgia.					
Adairsville	80[c]	34[c]	58.8[c]	2.79	
Albany	89[d]	40	60.6[c]	2.86	
Allapaha	83	40	62.6	3.64	
Alpharetta	84	28	57.6	2.03	
Americus	84	37	60.9	3.20	
Athens	80	36	58.6	2.62	
Bainbridge	84	35	63.5	0.47	
Blakely	81	.....	.....	1.18	
Bowersville	85	33	59.7	3.35	
Butler	.....	.....	.....	6.48	
Camak	84	36	60.6	2.96	
Canton	.....	.....	.....	1.47	
Carlton	.....	.....	.....	2.07	
Clayton	82	25	54.9	5.25	
Columbus	85[d]	42[d]	62.0[d]	5.06	
Coney	89	34	62.8	3.76	
Covington	86	33	59.7	3.71	
Dahlonega	82	30	55.5	4.14	
Dawson	88	35	63.0	3.40	
Diamond	85	28	55.1	3.25	T.
Douglas	89[c]	36	64.4	4.74	
Dublin	.....	.....	.....	3.55	
Dudley	85	39	62.4	4.37	
Eastman	86	39	62.7	2.71	
Eatonton	81	35	60.4	2.38	
Elberton	88	35	60.8	2.02	T.
Experiment	80	34	59.6	2.61	
Fitzgerald	86	35	62.6	3.36	
Fleming	89	37	64.1	2.11	
Fort Gaines	82	38	61.2	2.28	
Gainesville	81	34	56.8	2.80	
Gillsville	85	32	58.8	2.16	
Greensboro	85	33	59.4	2.73	
Griffin	83	35	60.0	2.60	
Harrison	87	39	62.6	3.51	
Hawkinsville	84	35	61.2	3.18	
Hephzibah	82[c]	38[k]	59.7[g]	2.00	
Jesup	90	39	64.2	1.61	
Lost Mountain	84	33	59.2	3.27	
Louisville	83	38	62.0	2.23	
Lumpkin	86	37	62.3	2.79	
Marshallville	82	38	61.0	5.34	
Mauzy	88	39	64.4	3.17	
Milledgeville	82	37	60.2	2.98	
Millen	92	.....	.....	0.57	
Monticello	86	35	60.6	2.69	
Morgan	83	.....	.....	3.22	
Naylor	85	42	64.4	2.98	
Newnan	85	33	58.2	2.95	
Oakdale	.....	.....	.....	2.35	
Pelham	.....	41[g]	.....	4.30	
Point Peter	86	33	58.9	2.33	
Poulan	85	36	62.2	4.27	
Putnam	86	35	62.2	4.23	
Quitman	90	39	64.5	3.15	
Ramsey	82	29	58.5	3.51	
Resaca	.....	.....	.....	3.82	
Rome	87	33	60.0	3.41	
St. Marys	85	42	64.4	1.66	
Statesboro	88	38	63.8	1.34	
Stillmore	87	35	60.8	2.02	
Talbotton	82	35	59.6	6.80	
Tallapoosa	85	31	56.2	2.62	
Thomasville	87	38	64.6	2.37	
Toccoa	86	30	57.8	6.33	
Valona	85[c]	40[c]	63.2[c]	0.98	
Vidalia	88	40	62.5	1.91	
Washington	87	37	61.0	2.90	
Waverly	85	40	64.0	1.28	
Waycross	87	42	64.7	1.32	
Waynesboro	83	38	61.4	1.53	
Westpoint	87	35	60.8	4.79	
Woodbury	84	30	58.8	3.90	
Idaho.					
Albion	80	19	43.8	0.70	4.0
American Falls	80	19	44.4	1.17	
Blackfoot	78	17	42.6	1.63	4.9
Blue Lakes	86	22	50.5	0.53	

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.					
Burnside	70	7	37.0	1.15	5.5
Cambridge	72	22	45.0	0.47	T.
Chesterfield	74	14	38.8	1.46	6.0
Dickey	58	8	32.9	1.50	15.0
Forney	71	4	39.7	1.31	9.0
Garnet	83	25	52.1	0.69	
Grangeville	74	23	42.0	3.17	20.0
Idaho City	80	15	42.8	0.59	T.
Lake	62	−4	31.8	2.10	21.0
Lakeview	72	27	44.4	0.81	3.0
Lost River	73	15	38.8	2.13	10.0
Moscow	68	25	42.2	0.87	5.6
Murray	75	21	40.6	2.26	3.0
Oakley	72	15	44.4	1.35	5.0
Ola	80	20	47.2	0.55	
Payette	74	22	48.6	.....	
Pollock	84	26	48.8	1.08	6.8
Porthill	71	23	43.0	0.83	
Priest River	74	20	41.7	1.74	
Riddle	76	8	39.3	0.79	7.0
St. Maries	80	24	44.0	1.60	0.8
Silver City	68	8	36.8	2.06	17.5
Soldier	71	8	36.8	0.53	2.5
Vernon	72	4	38.4	3.09	8.5
Weston	79	8	44.4	1.66	4.0
Illinois.					
Albion	80	24	55.1	3.18	
Aledo	88	29	52.5	3.60	T.
Alexander	85	29	54.7	3.67	1.0
Antioch	77	20	48.0	2.55	1.0
Ashton	77	23	48.1	4.62	1.0
Astoria	81	28	52.4	5.36	3.0
Aurora	79	18	49.0	4.23	T.
Beardstown	.....	.....	.....	4.26	
Benton	85	30	57.4	3.39	
Bloomington	85	22	53.2	5.76	1.5
Cambridge	78	30	50.2	4.97	0.5
Carlinville	86	28	55.2	5.62	1.0
Carrollton	87	29	56.2	3.57	T.
Centralia	82	28	56.0	4.30	T.
Charleston	80	23	52.9	4.41	0.5
Chester	.....	.....	.....	1.97	
Chicago Heights	.....	.....	.....	4.32	4.0
Cisne	83	28	56.4	3.54	
Coatsburg	82	27	54.0	5.15	2.0
Cobden	81	29	56.8	3.54	
Danville	82	20	52.9	6.37	T.
Decatur	84	24	53.4	4.84	2.0
Dixon	79	28	48.8	4.20	T.
Dwight	82	22	50.4	5.14	5.0
Effingham	81	25	54.7	2.28	T.
Equality	82	30	57.5	3.53	T.
Fandon	79	29	53.2	3.87	0.6
Flora	78	26	53.8	4.79	T.
Friendgrove	79	32	54.1	4.36	T.
Galva	79	27	50.0	4.07	3.0
Grafton	.....	.....	.....	3.40	
Greenville	84	29	55.4	4.07	
Griggsville	85	30	56.2	4.59	T.
Halfway	80	29	56.4	2.75	T.
Halliday	83	29	56.7	1.98	
Henry	80	23	52.4	5.22	T.
Hillsboro	83	28	55.2	3.57	2.0
Hoopeston	82	27	51.2	6.45	4.0
Joliet	79	18	48.4	3.62	5.0
Kishwaukee	78	24	48.6	6.00	T.
Knoxville	79	26	50.6	5.62	4.0
Lagrange	80	19	47.8	3.51	2.5
Laharpe	80	27	52.6	5.30	2.0
Lanark	78	23	48.4	4.02	2.4
Loami	.....	.....	.....	3.85	T.
McLeansboro	80	29	56.1	3.75	
Martinsville	79	.....	.....	3.81	1.0
Martinton	83	25	49.2	7.18	2.0
Mascoutah	80	30	54.6	3.54	T.
Mattoon	80	26	52.6	4.16	1.0
Minonk	81	18	50.6	4.65	5.0
Monmouth	81	26	51.1	6.58	2.5
Morrison	77	27	50.4	4.45	4.5
Morrisonville	83	28	54.0	2.72	T.
Mount Carmel	.....	.....	.....	5.82	T.
Mount Pulaski	85	27	53.7	5.10	0.8
Mount Vernon	83	29	56.9	3.66	T.
New Burnside	88	31	58.1	2.76	
Olney	80	26	54.8	4.96	T.
Ottawa	81	24	52.8	5.08	2.2
Palestine	80	24	52.8	5.41	T.
Pana	80	22	51.5	3.66	T.
Paris	80	25	52.8	4.54	
Peoria *a*	.....	.....	.....	4.30	
Peoria *b*	81	28	54.3	5.15	
Philo	81	17	51.0	5.50	T.
Plumhill	82	29	55.4	3.13	
Pontiac	81	22	52.2	4.94	3.0
Rantoul	83	16	52.2	6.26	3.0
Raum	81	28	55.7	2.65	
Riley	76	24	48.0	3.36	1.3
Robinson	79	24	50.8	8.01	T.
Illinois—Cont'd.					
Rushville	81	30	54.4	5.63	T.
St. Charles	79	21	49.6	4.04	1.0
St. John	83	29	56.8	2.25	
Shobonier	86	28	55.9	4.36	T.
Streator	80	18	50.2	4.81	2.0
Sullivan	82	23	53.6	3.67	T.
Sycamore	80	22	50.1	4.76	T.
Tilden	81	29	56.3	3.13	T.
Tiskilwa	78	25	50.1	5.07	5.0
Tuscola	81	21	51.6	4.48	0.5
Urbana	80	19	50.8	5.71	1.5
Walnut	81	27	51.8	4.38	0.9
Winchester	85	30	54.5	4.34	T.
Winnebago	77	26	49.2	4.91	3.0
Yorkville	79	19	49.5	3.14	1.0
Zion	78	27	49.0	4.22	1.2
Indiana.					
Anderson	79	25	51.7	3.16	0.8
Angola	77	15	47.5	4.20	3.1
Auburn	82	17	47.8	4.92	T.
Avoca	82	24[e]	52.2	3.22	T.
Bloomington	81	27	53.2	4.23	T.
Bluffton	79	20	49.4	4.36	
Butlerville	82	26	53.2	4.49	
Cambridge City	79	20	49.6	3.19	T.
Columbus	80	25	53.6	3.46	
Connersville	80	22	50.6	2.74	
Crawfordsville	81	23	53.7	5.85	
Delphi	81	19	50.0	4.94	1.0
Edwardsville *[1]	80	29	57.1	7.36	
Elkhart	80	20	50.0	3.76	3.6
Farmland	79	23	49.8	3.27	
Fort Wayne	77	20	51.0	3.80	0.5
Franklin*[1]	82	30	52.5	2.66	T.
Greencastle	76	24	52.0	4.23	0.2
Greensburg	82	25	52.8	3.00	T.
Hammond	77	28	45.2	4.71	0.3
Hector	79	20	47.6	5.12	T.
Holland	83	31	55.8	3.85	T.
Jeffersonville	82	30	55.0	5.68	
Kokomo	81	23	51.8	3.91	0.5
Lafayette	79	20	50.0	4.98	1.0
Laporte	.....	10	.....	5.30	2.0
Logansport	82	23	50.0	4.22	
Madison *a*	84	27	55.5	4.60	
Madison *b*	.....	.....	.....	3.97	
Marengo	82	27	54.7	5.94	
Marion	81	23	52.2	6.62	2.0
Markle	79	19	49.9	4.40	T.
Mauzy	79	23	51.0	3.21	T.
Moores Hill	80	25	53.7	3.30	
Mount Vernon	90	27	58.4	4.67	
Northfield	78	21	49.6	4.29	T.
Paoli	83	25	54.4	5.06	T.
Prairie Creek	78	23	52.9	3.89	
Princeton	80	25	54.5	4.75	
Rensselaer	78	17	50.6	5.94	5.5
Richmond	83	21	51.5	3.62	
Rockville	78	22	52.4	5.15	T.
Salem	84	25	55.5	5.65	T.
Scottsburg	82	28	54.9	4.21	4.0
Seymour	80	27	54.0	3.90	
South Bend	78	20	48.0	4.89	7.0
Syracuse	78	15	50.0	4.94	5.5
Terre Haute	83	27	53.6	4.35	T.
Topeka	76	16	48.6	3.27	0.3
Valparaiso	78	24	48.8	.....	
Veedersburg	79[e]	20[e]	52.9[e]	4.40	
Vevay	78	28	55.2	4.15	
Vincennes	82	25	54.6	6.23	0.2
Washington	79	25	54.0	5.60	
Winamac	79	17	49.6	6.52	2.0
Worthington	81	32	53.0	3.79	1.0
Indian Territory.					
Ardmore	88	32	63.0	0.35	
Chickasha	90	32	61.8	0.06	
Durant	87	35	63.6	0.37	
Fairland	84	31	59.3	1.46	T.
Goodwater	86	31	61.4	0.30	
Healdton	90	29	61.8	0.32	
Holdenville	87	28	61.2	0.23	
Marlow	89	31	61.5	0.59	
Muskogee	86	32	59.1	1.27	
Ravia	87	34	64.0	0.40	
South McAlester	.....	.....	.....	1.04	
Tahlequah	86	35	62.2	1.61	
Tulsa	.....	.....	.....	1.25	
Webbers Falls	.....	.....	.....	0.38	
Iowa.					
Afton	81	26	52.2	1.45	T.
Albia	80	27	52.6	2.53	
Algona	74	24	50.0	2.91	1.0
Allerton	78	26	51.5	1.80	1.0
Alta	72	22	47.2	2.65	0.7
Amana	78	27	50.8	2.39	
Ames	80	24	49.8	1.97	0.2
Atlantic	83	21	50.8	2.26	1.0
Baxter	80	24	51.4	2.12	T.
Iowa—Cont'd.					
Bedford	79	23	51.6	1.53	
Belleplaine	81	26	50.8	2.75	0.5
Bonaparte	80	28	52.6	4.15	2.0
Britt	76	22	46.6	2.69	0.3
Burlington	80	28	53.8	3.97	
Carroll	83	23	49.0	2.70	T.
Cedar Rapids	80	30	52.1	1.97	
Charles City	72	28	48.2	3.55	0.4
Clarinda	84	26	52.4	1.92	0.5
Clearlake	77	24	47.8	2.35	0.8
Clinton	82	28	51.0	4.93	1.0
College Springs	81	28	53.0	1.86	2.0
Columbus Junction	80	28	51.8	5.54	0.4
Corning	78	24	51.6	1.88	0.5
Corydon	78	24	51.9	2.44	0.5
Council Bluffs	85	25	52.5	2.72	0.4
Cumberland	.....	.....	.....	1.65	1.0
Danville	.....	.....	.....	3.80	
Decorah	73	27	49.1	5.38	
Delaware	73	26	48.0	4.35	T.
Denison	72[j]	21	48.4[e]	4.51	0.5
Desoto	77	28	51.6	2.39	0.5
Dows	75	22	48.0	4.04	0.2
Earlham	79	20	49.4	1.73	1.0
Eldon	80	28	51.0	2.03	2.0
Elkader	76	25	48.1	4.93	0.5
Estherville	74	23	46.4	3.04	T.
Forest City	73	23	44.9	3.33	T.
Fort Madison	.....	.....	.....	4.81	T.
Galva	74	21	47.6	3.65	0.5
Gilman	.....	.....	.....	3.66	T.
Grand Meadow	72	25	47.8	6.00	0.8
Greene	75	25	48.4	3.77	T.
Greenfield	78	24	50.8	2.27	0.3
Grinnell	78	26	50.4	2.04	
Grundy Center	78	23	49.3	1.69	T.
Guthrie Center	81	22	51.1	3.02	2.0
Hampton	80	25	49.0	3.62	1.1
Hanlontown	70	23	46.0	2.91	0.2
Harlan	83	24	49.8	2.32	T.
Hopeville	78	26	51.7	1.72	
Humboldt	77	22	49.2	3.49	
Idagrove	76	23	49.8	2.73	0.6
Independence	75	26	47.6	2.67	1.0
Indianola	79	27	52.2	2.38	0.2
Iowa City	80	28	51.6	3.11	
Iowa Falls	75	24	47.6	3.15	1.0
Jefferson	.....	.....	.....	4.13	0.3
Keosauqua	80	27	53.2	4.49	
Lacona	.....	.....	.....	2.85	T.
Lansing	75	26	50.3	4.90	3.0
Larchwood	75	17	47.4	2.12	0.5
Larrabee	72	20	47.2	2.92	0.5
Leclaire	.....	.....	.....	3.46	T.
Lemars	73	21	48.6	2.48	T.
Lenox	80	27	52.2	1.91	0.2
Leon	79	29	53.1	1.69	
Logan	82	25	51.4	0.79	
Maple Valley	.....	.....	.....	2.49	
Maquoketa	78	26	49.7	4.72	
Marshalltown	80	27	51.2	2.17	
Mason City	78	26	48.9	2.78	T.
Monticello	78	25	48.4	4.65	T.
Mountayr	79	27	51.6	2.11	1.0
Mount Vernon	86	26	51.4	2.97	2.0
New Hampton	71	24	47.0	3.47	T.
Newton	75	21	50.0	2.79	0.8
Northwood	71	24	47.2	3.84	T.
Odebolt	79	23	49.6	2.36	
Ogden	80	22	50.0	2.58	
Olin	77	28	50.0	3.28	0.8
Onawa	79	23	51.6	2.56	2.0
Osage	71	24	46.8	3.93	0.7
Osceola	79	27	52.8	2.12	0.5
Oskaloosa	81	24	51.4	1.67	
Pacific Junction	81	25	52.4	2.11	0.9
Perry	80	25	50.4	2.34	0.5
Plover	75	24	46.6	2.44	1.0
Primghar	72	24	47.4	2.64	.....
Redoak	72	29	51.8	1.56	0.5
Ridgeway	73	25	48.2	5.68	0.8
Rockwell City	82	25	49.3	3.44	
Ruthven	74	24	47.8	3.25	
Sac City	78	25	49.2	2.55	0.8
St. Charles	80	27	52.0	3.11	0.3
Scranton	80	25	49.6	2.98	0.7
Sibley	72	19	45.6	2.28	0.6
Sigourney	82	26	52.2	2.26	T.
Sioux Center	73	20	46.6	1.72	1.0
Stockport	.....	.....	.....	3.66	3.0
Storm Lake	73	23	48.2	3.61	T.
Stuart	79	20	50.3	1.99	
Thurman	81	23	51.6	3.49	T.
Tipton	77	30	52.5	2.76	T.
Toledo	81	25	50.4	2.73	T.
Villisca	84	23	51.4	2.75	1.0
Vinton *[1]	78	29	49.1	.....	.....
Wapello	79	31	53.2	3.93	

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.					
Washington	80	23	50.3	3.79	
Washta				1.95	0.5
Waterloo	78	26	49.2	2.67	0.5
Waukee				2.04	1.0
Waverly	73	21	48.4	3.29	0.3
Westbend	77	24	48.0	3.47	0.5
Westbranch				3.77	T.
West Union				3.95	
Whitten	77	24	49.2	1.18	0.5
Wilton Junction	78	28	52.8	4.78	1.0
Woodburn				2.10	
Kansas.					
Abilene	90	28	57.4	2.32	
Achilles	87	15	50.1	1.29	3.0
Alton	85	24	54.8	2.28	2.0
Anthony				2.95	T.
Atchison	84	30	55.6	2.14	4.0
Baker	84	27	53.4	1.84	1.2
Beloit	92	26	52.4	2.61	T.
Burlington	87	30	56.2	2.92	T.
Chanute	86	32	57.8	3.29	1.5
Clay Center	86	28	55.4	3.48	
Colby	86	17	50.4	2.40	1.8
Columbus	85	31	56.4	3.80	1.7
Cottonwood	88	29	55.3	3.40	2.0
Delphos		25		4.02	
Dresden	86	19	51.8	2.70	5.0
Ellinwood	86	26	55.7	2.68	1.5
Emporia	85	29	53.7	1.85	3.0
Englewood	89	27	57.3	1.95	T.
Eureka				3.34	2.0
Eureka Ranch	86	21	52.2	3.40	5.0
Fall River	87[e]	31[e]	57.2[e]	1.76	T.
Farnsworth	96	20	52.5	4.51	4.0
Forsha	90	29	56.0	2.20	T.
Fort Leavenworth	84	30	55.9	2.50	3.0
Fort Scott	85	31	56.9	3.66	T.
Frankfort	87	27	54.8	2.31	0.5
Fredonia	87	32	57.9	2.89	0.0
Garden City	87	22	53.4	5.10	5.0
Gove*[1]	84	23	50.2	2.95	2.0
Grenola	88	29	55.6	2.56	T.
Hanover	84	26	55.9	2.50	T.
Harrison	84	22	53.4	1.98	1.0
Hays	86	21	53.0	2.01	1.0
Holton	87[m]	28	55.9[g]	3.08	6.4
Horton	85	28	54.5	2.57	1.0
Hoxie	87	17	51.6	3.35	4.0
Hutchinson	89	25	55.3	2.64	1.0
Independence	87	32	58.0	2.89	0.2
Jetmore		24		2.25	1.6
La Crosse	85	24	53.6	2.66	6.0
Lakin	89	20	53.2	5.51	5.0
Lawrence	82	30	55.8	2.53	2.2
Lebanon	83	22	53.2	2.00	2.0
Lebo	85	30	55.4	3.36	4.0
Macksville	86	24	53.6	1.40	1.0
McPherson	88	26	55.2	3.16	T.
Madison	88	29	54.8	3.23	2.0
Manhattan *b*	90	28	57.1	3.05	5.0
Manhattan *c*	85	28	55.9	2.73	2.5
Marion	84	28	56.3	2.50	3.0
Meade	99[f]	27[f]	57.5[f]	1.37[f]	
Medicine Lodge	93	28	57.8	2.00	T.
Minneapolis	85	27	54.8	3.61	0.5
Moran	83	30	56.5	3.26	2.0
Mounthope*[1]	87	30	56.0	3.58	2.0
Ness City	88	24	56.0	2.70	2.1
Newton	90	20	54.2	4.15	2.0
Norwich	89	28	57.6	3.29	1.5
Oberlin				1.30	2.0
Olathe	81	30	55.5	3.37	T.
Osage City	85	27	54.2	3.47	1.0
Oswego	84	31	57.6	2.90	T.
Ottawa	84	29	55.6	3.37	4.0
Paola				3.52	4.0
Phillipsburg				2.03	
Pittsburg	84	32	59.3	3.72	T.
Pleasanton	83	31	57.0	4.83	1.0
Pratt	90	25	55.9	1.75	T.
Republic	84	23	54.2	2.62	0.5
Rome	91	30	57.1	3.44	1.0
Russell	84	23	53.0	4.24	0.5
Salina	87	28	55.4	2.95	1.0
Sedan	86	32	57.2	2.59	0.0
Toronto	87	30	55.8	4.08	0.0
Ulysses	86[z]	21[s]	55.0[z]	2.51	6.5
Valley Falls	84	28	54.1	1.78	4.0
Viroqua	86	20	52.5	1.25	4.0
Wallace	84			1.91	8.5
Wamego*[1]	87	28	54.0	3.29	10.0
Winfield	89	30	57.6	2.91	0.5
Yates Center	88	28	57.0	2.86	5.0
Kentucky.					
Alpha	82	30	56.6	10.85	
Anchorage	82	26	53.8	6.12	
Bardstown	85	28	55.6	4.17	
Beattyville				6.55	0.5
Kentucky—Cont'd.					
Beaver Dam	84	26	54.8	2.93	
Berea	84	26	54.4	5.41	
Blandville	78	31	56.4	2.35	
Bowling Green	86	27	55.8	3.23	
Burnside	83	29	53.5	8.30	T.
Cadiz	85	30	57.8	2.34	
Carrollton	88	28	57.0	3.78	
Catlettsburg	85	25	55.2	3.79	T.
Earlington	84	28	56.6	3.38	T.
Edmonton	82[d]	27	55.0	5.35	
Eubank	85	26	54.8	6.97	
Falmouth				4.35	
Fords Ferry	83	26	56.2	2.91	
Frankfort	79	27	55.1	4.66	
Franklin	85	30	56.3	3.51	
Greensburg	85	29	54.2	4.22	
Highbridge	83	26	55.0	3.77	
Hopkinsville	83	27	55.6	2.68	
Irvington	81	31	56.0	3.61	T.
Jackson	85	28	56.6	7.33	
Leitchfield	81	28	54.7	3.93	
Loretto	81	25	55.0	4.55	
Manchester	85	27	55.9	7.64	T.
Marrowbone	87	23	55.8	5.75	
Mayfield	80	30	57.7	2.34	
Maysville	85	24	54.0	3.88	T.
Middlesboro	82	27	54.9	5.88	
Mount Sterling	82	25	53.3	3.89	T.
Owensboro	82	28	56.0	2.91	T.
Owenton	80	23	53.8	4.87	
Paducah *a*				1.86	
Paducah *b*	84	32	58.6	2.14	
Pikeville	89	22	54.2	5.41	
Princeton	84	26	56.6	2.62	
Richmond	86	26	54.8	4.07	T.
St. John	82	27	55.2	3.16	
Scott	79	24	53.2	5.14	T.
Shelby City	83	25	54.5	4.63	
Shelbyville	85	26	54.4	4.58	T.
Taylorsville	81	27	54.0	4.08	
Warfield	84	23	55.3	6.89	
Williamsburg	90	22	55.1	6.35	T.
Williamstown	80	24	53.4	3.25	
Louisiana.					
Abbeville	89	42	67.0	1.35	
Alexandria	89	40	66.4	1.42	
Amite	85	38	64.3	0.36	
Baton Rouge	87	44	66.2	0.60	
Burnside	85	40	66.0	0.62	
Calhoun	86	39	63.4	0.40	
Cameron	80	50	68.3	2.43	
Cheneyville	89	40	65.7	1.60	
Clinton	84	37	63.3	1.15	
Collinston	88	34	63.4	0.76	
Covington	90	38	66.0	0.17	
Donaldsonville	86	45	67.8	0.93	
Emilie	83	43	65.6	0.47	
Farmerville	86	34	61.0	0.74	
Franklin	87	41	67.5	1.44	
Grand Coteau	86	42	67.0	1.63	
Hammond	86	38	65.2	0.39	
Houma	88	39	66.8	0.65	
Jennings	84			1.54	
Lafayette	85	40	66.3	1.07	
Lake Charles	88	44	68.4	1.38	
Lake Providence	88	40	64.2	0.95	
Lakeside	82	48	67.4	1.79	
Lawrence	86	47	67.5		
Leesville	89	36	64.6	1.52	
Libertyhill	88	34	65.2	1.68	
Melville	83	45	65.2	1.85	
Minden	91	32	66.3	1.31	
Monroe	89			0.48	
New Iberia	83	47	68.2	1.30	
Opelousas	87	40	65.2	1.75	
Oxford	89	36	61.7	2.00	
Paincourtville	84	42	65.4	1.35	
Plain Dealing	86	32	63.0	0.69	
Port Eads	80	52	67.7	0.45	
Reserve [b]	86	42	65.3	0.20	
Robeline	88	32	63.6	2.45	
Ruston	89	32	64.4	0.60	
St. Francisville	90			1.50	
Schriever	88	40	64.6	0.45	
Sugar Experiment Station	85	44	68.1	0.85	
Sugartown	84	43	66.6	1.68	
Venice	84[d]	50[d]	67.0[d]	0.25	
Wallace	88	44	67.6	0.60	
Maine.					
Bar Harbor	76	20	42.4	3.65	3.0
Belfast	77	15	43.1	1.45	T.
Cornish	77	19	44.3	2.81	2.5
Danforth				2.55	T.
Fairfield	77	18	43.9	1.95	1.0
Farmington	76	13	43.4	2.47	4.5
Fort Fairfield	70	−1	38.6	1.25	3.0
Gardiner	78	18	44.2	1.42	0.5
Houlton	72	9	42.2	2.50	5.0
Maine—Cont'd.					
Jackman				1.51	7.0
Lewiston	76	22	44.4	2.11	0.8
Mattawamkeag				1.96	1.0
Mayfield	73	12	40.6	1.56	4.0
Millinocket	75	14	42.5	1.96	3.5
Montague				2.12	0.7
North Bridgton	79	20	44.1	2.02	3.0
Orono	76	18	43.0	1.71	0.5
Rumford Falls	75	20	43.2	1.51	1.5
South Lagrange*[1]	77	23	42.3		0.5
The Forks				1.35	2.0
Vanburen	70	0	39.4	2.25	12.2
Vanceboro	68	22	46.0	1.89	5.0
Winslow	79	16	43.4	2.21	1.0
Maryland.					
Annapolis	90			4.00	
Bachmans Valley	86	23	49.0	7.02	
Boettcherville	95	21	51.7	4.67	
Boonsboro	90	22	52.8	4.48	
Cambridge	88	29	54.4	3.20	T.
Chase	85			4.03	
Cheltenham	91	25	54.0	4.18	
Chestertown	83	27	52.3	3.28	
Chewsville	85	22	49.8	3.73	
Clearspring	88	22	50.5	4.86	
Coleman	88	26	53.0	4.91	T.
Collegepark	88	25	52.1	4.37	
Colora				3.78	
Cumberland				4.11	
Darlington	87	25	52.2	3.30	
Deerpark	82	13	45.8	3.26	1.0
Denton		25		2.57	T.
Easton	88	28	53.6	3.05	
Fallston	83	24	51.5	4.18	
Frederick	90	24	53.7	4.32	
Grantsville	83	15	47.3	4.19	T.
Greatfalls	87	25	51.3	4.07	
Greenspring Furnace	93	21	53.4	4.13	
Hancock	93	23	52.3	4.31	
Harney				5.18	
Jewell	90	25	54.1	4.41	
Johns Hopkins Hospital	91	27	54.1	4.19	
Laurel	91	25	52.9	4.82	
McDonogh	87	35	52.0	3.79	
Mount St. Marys College	85	23	51.0	6.24	
New Market	88	23	52.2	4.27	
Pocomoke City	89	29	55.8	2.80	
Prince Fredericktown	88	24	54.2	3.59	
Princess Anne	87	27	53.8	3.54	
Queenstown	86	28	53.2	3.22	
Sharpsburg	84	24	50.6	4.39	
Solomons	84	28	55.0	2.97	
Sudlersville	92	27	54.0	3.75	
Sunnyside	82	13	48.2	4.97	1.5
Takoma Park	87	23	52.2	3.91	
Van Bibber		26		4.45	
Westernport	89	21	50.8	3.27	
Woodstock	87	26	53.5	3.07	
Massachusetts.					
Amherst	84	22	46.8	2.30	T.
Bedford	84	22	46.8	3.18	T.
Bluehill (summit)	83	22	46.0	3.86	T.
Cambridge	83	22	48.4	4.07	
Chestnuthill	84	23	47.4	4.33	
Cohasset				5.40	
Concord	85	20	46.0	2.82	T.
East Templeton*[1]	81	20	44.6	2.39	T.
Fall River	82	26	47.8	4.76	
Fitchburg *a**[1]	84	22	45.5	3.69	T.
Fitchburg *b*	85	22	46.4	2.49	T.
Framingham	83	19	47.0	2.94	
Groton	83	20	45.6	3.01	T.
Holyoke				2.57	T.
Hyannis				3.72	0.3
Jefferson				2.95	T.
Lawrence	83	21	46.5	3.42	T.
Leominster				3.05	T.
Lowell *a*	84	23	47.4	3.69	0.3
Lowell *b*	87	23	46.6		
Ludlow Center	80	15	42.0	2.73	1.0
Middleboro	82	18	45.4	4.17	
Monson	84	21	45.4	3.21	1.0
New Bedford *a*	80	25	47.0	5.77	
Pittsfield				2.04	
Plymouth*[1]	80	27	46.1	7.45	T.
Princeton				3.09	
Provincetown	78	28	46.3	4.40	T.
Salem				4.91	T.
Somerset*[1]	88	23	49.6	6.72	
Sterling				3.05	
Taunton	82	18	44.8	4.65	
Webster				2.68	
Westboro	85	20	47.8	2.86	
Weston	83	19	45.7	3.45	
Williamstown	82	19	45.2	1.37	T.
Winchendon				2.35	T.
Worcester *b*	83	22	47.3	2.28	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.	°	°	°	*Ins.*	*Ins.*
Adrian	84	.....	.....	4.02	T.
Agricultural College	79	13[k]	43.0[f]	.....	5.0
Allegan	81[c]	16[c]	45.8[c]	2.66	3.0
Alma	80	20	45.6	2.87	T.
Ann Arbor	79	18	45.8	4.19	1.1
Annpere	78	24	43.4	1.78	3.0
Arbela	79	18	44.0	4.82	2.0
Baldwin	76	15	43.8	3.65	
Ball Mountain	80	19	45.0	5.25	1.3
Baraga	77	11	36.5	.....	
Battlecreek	78	15	46.2	3.63	6.0
Bay City	85	19	44.8	4.77	T.
Benzonia	68[m]	21[m]	41.6[m]	3.14	T.
Berlin	79	16	44.5	3.03	3.0
Berrien Springs	80	19	48.2	5.00	15.0
Big Rapids	76	17	42.2	4.09	T.
Birmingham	81	18	44.4	3.83	1.0
Boon	72	13	40.6	4.93	0.8
Calumet	72	16	36.4	1.98	18.0
Carsonville	88	22	44.9	0.32	
Caseville	.....	.....	.....	2.55	T.
Cassopolis	78	18	47.1	5.50	6.0
Charlevoix	72	22	42.0	1.96	T.
Chatham	72	12	38.6	1.84	6.5
Cheboygan	76	15	40.8	0.10	T.
Clinton	82	19	46.9	5.21	3.0
Coldwater	79	15	49.1	5.70	5.0
Deerpark	66	15	36.8	1.44	10.0
Detour	68	15	39.4	1.19	2.0
Dundee	80	20	47.3	4.29	
Eagle Harbor	75	17	37.8	2.18	5.8
East Tawas	77	17	41.4	2.19	
Eloise	80	19	46.6	4.75	2.0
Ewen	65	6	36.2	1.06	3.5
Fennville	80	21	45.8	3.94	2.0
Fitchburg	79	11	45.0	6.38	5.0
Flint	80	16	44.0	3.71	3.0
Frankfort	64	24	41.5	0.60	.....
Gaylord	75	21	39.9	0.43	
Gladwin	79	17	43.6	4.00	
Grand Marais	62	18	37.2	2.48	3.5
Grand Rapids	79	22	46.4	4.80	2.5
Grape	82	20	46.0	3.92	2.0
Grayling	80[c]	11	41.4	2.50	1.5
Hagar	80	22	48.3	7.00	8.2
Harbor Beach	82	20	42.8	1.75	0.2
Harrison	.....	15	.....	3.83	T.
Harrisville	77	15	40.3	2.19	.....
Hart	62	25	43.6	1.05	
Hastings	81	11	46.2	3.72	5.0
Hayes	77	13	42.4	3.13	1.5
Highland Station	.....	.....	.....	4.55	5.0
Hillsdale	79	14	46.2	6.17	7.0
Humboldt	72	0	33.4	0.70	7.0
Ionia	80[c]	19[c]	47.0[c]	2.20	2.0
Iron Mountain	70	15	40.4	3.26	7.5
Iron River	72	13	39.8	10.50	T.
Ironwood	73	15	40.2	0.89	3.1
Ishpeming	69	13	37.2	1.44	8.0
Ivan	77	14	42.2	3.69	0.2
Jackson	81	15	47.6	5.66	2.0
Jeddo	80	14	43.8	3.56	4.0
Kalamazoo	76[c]	15[c]	46.1[c]	4.87	10.0
Lake City	60	21	43.9	0.33	
Lansing	79	16	45.0	4.40	6.0
Lapeer	77	15	44.5	1.73	
Ludington	66	20	41.0	2.61	1.0
Mackinac Island	65	11	39.7	1.34	2.0
Mackinaw	75	18	40.4	1.58	T.
Mancelona	72	20	41.6	0.50	
Manistee	68	.....	.....	.....	
Manistique	55	18	38.2	1.99	0.5
Menominee	72	12	39.8	1.67	T.
Midland	78	20	44.8	3.60	1.0
Mio	78	10	42.2	2.31	0.5
Montague	72	22	43.4	2.65	T.
Mount Pleasant	80	25	48.6	2.99	
Muskegon	72	24	45.9	3.26	T.
Newberry	68	24	45.0	0.12	1.0
Old Mission	72	23	42.6	3.09	0.5
Olivet	77	17	45.6	4.63	6.0
Omer	81	11	41.5	2.96	T.
Onaway	71	12	42.1	1.69	
Ontonagon	65	13	36.2	2.52	11.0
Ovid	78	16	45.0	3.22	2.0
Owosso[j]	72	10	45.5	.....	
Petoskey	75	18	42.7	0.78	T.
Port Austin	80	25	43.4	0.81	
Powers	75	10	40.6	.....	
Reed City	.....	.....	.....	0.60	
Roscommon	80	12	42.0	3.03	T.
Saginaw	81	20	45.8	2.69	2.5
St. Ignace	68	28	45.0	.....	
St. Johns	80	18[c]	47.0	.....	
St. Joseph	77	15[d]	43.8[c]	3.85	2.0
Sidnaw	56	15	36.4	.....	
Slocum	62	.....	.....	1.13	
Somerset	77[d]	14[c]	45.2[c]	2.93	
Michigan—Cont'd.					
South Haven	75	25	47.5	3.80	1.0
Thomaston[f]	65	6	37.6	1.05	
Thornville	79	13	45.6	2.63	5.0
Traverse City	75	24	42.2	1.87	0.5
Vassar	80	17	47.1	2.40	1.0
Wasepi	79	15	47.5	5.35	4.0
Waverly	78	21	46.0	4.53	0.7
Webberville	79	15	45.1	3.57	6.0
West Branch	75	15	52.2	3.01	T.
Wetmore	65	15	35.2	1.20	7.0
Whitecloud	75	14	42.6	4.50	
Whitefish Point	59	15	35.4	1.30	1.0
Ypsilanti	80	16	44.8	4.39	1.0
Minnesota.					
Ada	75	22	43.6	1.14	1.0
Albert Lea	70	23	45.3	3.62	
Alexandria	77	18	42.7	2.94	3.0
Angus	76	13	41.2	1.26	
Ashby	77	17	44.0	3.05	
Beardsley	76	19	45.4	1.67	1.0
Beaulieu	76[d]	13[f]	39.6[e]	2.03	5.0
Bemidji	72	12	41.1	1.30	
Bird Island	74	20	45.0	2.47	.....
Blooming Prairie	70	23	44.8	3.65	T.
Caledonia	71	23	45.6	5.42	0.8
Collegeville	73	21	44.7	2.71	1.8
Crookston	73	19	41.9	0.98	
Currie	74	20	45.2	.....	
Deephaven	.....	.....	.....	2.95	
Detroit	74	12	40.3	1.98	3.0
Duluth (sub station)	71	18	38.2	2.09	7.8
Faribault	72	20	44.5	3.70	0.2
Farmington	72	23	44.5	4.03	1.0
Fergus Falls	76	19	43.4	1.64	1.5
Floodwood	74	8	41.0	3.95	7.0
Glencoe	72	12	44.7	2.10	T.
Grand Meadow	75	21	45.9	4.86	1.0
Hallock	76	11	40.7	1.55	9.0
Lake Winnibigoshish	70	8	39.2	2.60	6.5
Leech	74	10	39.6	1.91	4.3
Long Prairie	76	17	43.0	3.37	5.5
Luverne	72	18	45.8	1.38	1.0
Lynd	71	18	44.2	1.68	T.
Mapleplain	74	22	45.2	3.69	1.0
Milaca	73	15	42.2	6.02	.....
Milan	79	18	44.9	2.38	3.0
Minneapolis[1]	75[d]	19	44.2	3.46	1.5
Montevideo	79	15	43.4	2.70	2.0
Morris	76	17	44.6	1.93	5.5
Mount Iron	74	11	39.8	1.55	6.0
New London	74	18	42.4	2.59	2.0
New Richland	74	23	46.0	2.87	.....
New Ulm	80	23	46.5	2.53	T.
Park Rapids	75	12	39.5	2.30	4.6
Pine River	75	9	40.2	4.23	8.0
Pipestone	72[d]	16[c]	42.9[d]	1.60	.....
Pleasant Mounds	74	24	46.6	2.81	0.5
Pokegama Falls	74	4	39.4	2.85	9.5
Redwing *a*	.....	.....	.....	1.70	.....
Redwing *b*	73	20	46.0	4.14	T.
Reeds	.....	.....	.....	3.64	1.0
Rolling Green	70	25	45.4	2.73	1.0
St. Cloud	75	18	44.8	3.74	T.
St. Peter	72	22	46.6	2.57	0.4
Sandy Lake Dam	73	13	40.6	2.90	9.2
Shakopee	74	21	45.8	2.85	T.
Tower	75	0	39.0	2.60	7.3
Two Harbors	67	15	37.6	3.80	4.7
Wabasha	76	24	48.9	3.63	1.0
Warroad	72	8	37.8	.....	.....
Winnebago	73	21	46.6	2.62	0.6
Winona	73	26	48.4	3.82	0.5
Worthington	69	20	44.0	5.26	
Wyoming	.....	.....	.....	4.03	2.0
Zumbrota[1]	73	22	44.6	.....	
Mississippi.					
Aberdeen	85	35	61.5	0.75	
Agricultural College	84	37	61.8	0.45	
Austin	83	38	62.0	2.41	
Batesville	83	33	59.7	2.36	
Bay St. Louis	85	46	67.4	0.36	
Biloxi	86	44	68.3	2.28	
Boggan	88	34	62.8	1.17	
Booneville	82	33	59.2	2.91	
Canton	86	36	63.9	0.64	
Columbus	83	36	60.2	0.62	
Crystal Springs	88	38	63.5	0.56	
Duck Hill	88	32	61.6	0.95	
Edwards	88	36	65.2	0.88	
Fayette	84	36	63.8	1.25	
Fayette (near)	.....	.....	.....	0.83	
Greenville *a*	81	44	63.4	1.12	
Greenville *b*	85	39	63.5	1.12	
Greenwood	90	37	63.4	0.52	
Hattiesburg	90	35	66.4	1.18	
Hernando	82	41	62.0	5.98	
Holly Springs	82	35	60.4	4.60	
Indianola	90	36	63.9	1.50	
Mississippi—Cont'd.					
Jackson	89	35	63.3	0.55	
Kosciusko	87	36	62.1	0.99	
Lake	84	34	60.8	0.88	
Lake Como	87	36	62.2	0.53	
Laurel	88	37	65.8	0.42	
Leakesville	91	35	64.8	0.14	
Louisville	84	35	61.8	0.90	
McNeill	86	41	65.2	0.05	
Macon	88	36	62.8	0.56	
Magnolia	88	35	63.8	0.67	
Nittayuma	86	42	64.4	1.10	
Okolona	90	35	62.1	0.15	
Patmos	.....	.....	.....	1.23	
Pearlington	86	38	66.6	0.50	
Pittsboro	86	32	63.4	0.15	
Pontotoc	87	33	60.9	2.14	
Poplarville	87	42	66.8	0.00	
Ripley	82	30	59.2	2.95	
Shoccoe	88	35	63.0	0.71	
Stonington	.....	.....	.....	0.20	
Suffolk	87	35	64.0	1.72	
Swartwout	86	37	65.4	T.	
Thornton	82	46	64.6	0.50	
Tupelo	84	33	60.9	2.61	
University	84	34	61.4	2.05	
Walnutgrove	90	31	64.4	0.96	
Watervalley	84	.....	.....	1.77	
Waynesboro	86	34	63.2	1.12	
Westpoint	86	36	62.8	1.12	
Woodville	84	41	65.3	1.13	
Yazoo City	87	43	64.5	1.55	
Missouri.					
Appleton City	83	32	56.0	4.43	T.
Arthur	83	31	56.8	4.53	T.
Avalon	82[d]	30	55.9[c]	4.87	0.4
Bagnell	.....	.....	.....	1.84	
Bethany	80	28	53.4	3.05	2.5
Birchtree	85	34	58.6	3.77	T.
Blue Springs	83[f]	31[h]	55.0[g]	2.80	T.
Boonville	.....	.....	.....	4.26	T.
Brunswick	83	31	54.6	5.83	T.
Carrollton	81	30	55.6[e]	5.26	2.0
Caruthersville	82	34	60.2	1.83	
Conception	81	28	53.6	1.88	0.5
Cowgill	.....	.....	.....	2.89	1.3
Darksville	81	30	55.1	5.97	0.1
Dean	86	27	58.4	1.83	0.0
Desoto	81	32	56.1	2.29	T.
Downing	.....	.....	.....	5.13	3.0
Edgehill	85	29	55.2	2.62	0.0
Edwards	85	30	57.1	3.46	2.0
Eightmile*[3]	.....	36	55.3	4.10	1.0
Eldon	84	31	56.2	2.79	T.
Fairport	.....	.....	.....	3.36	1.0
Fayette	82	32	56.7	4.51	3.0
Fulton	88	28	56.2	4.60	T.
Gallatin*[1]	84	32	56.4	3.54	3.0
Glasgow	82	30	55.2	3.64	T.
Gorin	.....	.....	.....	4.37	T.
Grant City	79	29	53.2	1.81	T.
Halfway	85	31	56.8	2.24	T.
Harrisonville	83	31	54.3	3.80	3.0
Hazlehurst	.....	.....	.....	4.44	5.0
Hermann	.....	.....	.....	3.54	T.
Houston	85	31	57.6	2.15	T.
Huntsville	83	31	55.8	5.51	3.0
Ironton	86	29	56.4	2.94	T.
Jackson	84	30	57.4	3.18	0.0
Jefferson City	85	32	55.3	3.05	
Joplin	85	32	60.3	3.23	0.0
Kidder	82	29	54.0	2.80	5.3
Koshkonong	85	33	57.8	4.09	0.0
Lamar	84	32	58.2	3.02	T.
Lamonte	.....	.....	.....	4.27	2.0
Lebanon	84	32	56.9	2.34	T.
Lexington	82	31	56.0	3.41	T.
Liberty	82	29	54.2	1.76	6.0
Louisiana	83	28	55.0	3.83	T.
Macon	82	30	55.6	5.47	3.0
Marblehill	84	30	57.2	3.58	0.0
Marshall	83	31	55.2	4.72	1.0
Maryville	81	28	52.5	1.65	0.2
Mexico	83	30	54.8	5.66	4.0
Miami*[5]	82	32	56.0	5.72	0.8
Mineralspring	85	31	58.2	1.55	T.
Monroe City	81	28	53.6	7.94	4.0
Montreal	84	27	56.2	1.63	T.
Mountaingrove	85	32	55.6	2.28	T.
Mount Vernon	87	30	59.2	3.03	T.
Neosho	85	29	58.5	2.17	T.
Nevada	.....	.....	.....	3.65	T.
New Haven	89	34	58.2	2.28	T.
New Madrid *b*	.....	.....	.....	2.25	
New Palestine	80	33	56.3	4.69	1.0
Oakfield	86	33	57.0	2.51	1.5
Olden	87	31	56.3	3.92	T.
Oregon	82	29	54.6	1.90	1.5
Palmyra*[5]	80	30	53.0	4.73	3.0

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.
Missouri—Cont'd.					
Pine Hill				2.79	0.0
Poplarbluff	85	29	58.6	2.59	0.0
Princeton	80	27	52.4	2.53	4.0
Protem	91	30	60.2	2.08	0.0
Richmond				2.90	3.0
Rockport				2.12	0.2
Rolla				3.11	T.
St. Charles	86	30	57.2	2.87	T.
St. Joseph				1.32	T.
Sarcoxie				2.69	T.
Sedalia	82	30	56.4	6.13	4.0
Seymour	86	31	56.2	2.91	T.
Shelbina				6.67	T.
Sikeston	80	31	56.8	2.89	T.
Steffenville	80	30	54.7	5.22	3.0
Sublett	78	27	53.2	4.60	T.
Trenton	78	31	54.0	3.75	4.0
Unionville	76	28	52.8	3.57	2.5
Vichy	84	26	56.2	2.21	T.
Warrensburg	83	30	55.8	4.49	2.0
Warrenton	86	32	54.9	2.85	0.5
Wheatland				2.60	0.1
Willowsprings	86	29	56.2	2.74	0.0
Windsor	83	30	56.2	6.51	2.0
Zeitonia	85	29	55.8	3.24	
Montana.					
Adel	68	−9	36.6	2.62	18.0
Anaconda	72	10	40.0	0.25	4.0
Augusta	74	10	39.5	1.71	13.0
Billings	76	10	41.5		
Boulder	69	10	39.1	0.83	7.0
Bozeman	69	4	37.8	3.42	
Butte	69	13	38.7	1.30	4.0
Canyon Ferry	75	22	42.9	0.53	1.0
Chinook		17	45.0	0.67	T.
Columbia Falls	73	18	39.6	0.97	3.2
Culbertson	84	11	43.6	0.13	0.0
Crow Agency	79	17	46.4	1.15	3.0
Dayton	71	19	42.4	1.67	T.
Deerlodge	70	12	39.5		
Dillon	80	8	38.8	5.36	43.2
Ekalaka	82	18	45.3		
Fort Benton	72	18	42.6	0.65	
Fort Logan	62	20	37.4	1.34	
Glasgow	85	11	44.8	0.12	
Greatfalls	72	20	43.8	2.00	
Hamilton	77	20	44.8	0.67	3.0
Kipp[f]	70	5	38.0	0.20	2.0
Lamedeer	84	16	46.0	1.70	10.0
Lewistown	75	12	41.1	2.90	5.0
Livingston	73	2	35.6	0.10	1.0
Manhattan	73	16	42.6	2.71	12.0
Marysville	79	9	37.4	1.38	13.8
Missoula	75	25	43.6	0.65	T.
Ovando	72	12	36.6	0.75	5.0
Parrot	73	11	40.9	3.91	25.4
Poplar	84	16	46.0	0.31	T.
Redlodge	69	3	37.4	2.96	25.5
Ridgelawn	84	14	45.8	0.42	2.5
St. Pauls	71	17	42.1	1.07	1.0
St. Peter	70	0	38.2	1.84	24.0
Summit	78	−1	33.9	3.14	33.0
Toston	69	10	36.6	0.10	1.0
Townsend				0.70	
Troy	80	19	42.8	1.02	T.
Twin Bridges	72[c]	6[c]	39.4[c]	2.30	18.0
Twodot	70	10	36.4	2.90	9.0
Utica	76	12	40.6	2.29	10.0
Wibaux	75	10	41.0	T.	
Wolf Creek	75	8	41.1	1.32	19.5
Yale	80	9	39.6		
Nebraska.					
Agate	81	14	44.2	1.12	4.5
Agee*[1]	78	20	45.4	1.31	2.0
Albion	81	17	49.2	2.44	4.0
Alliance	80	18	47.6	0.82	T.
Alma	88	13	52.6	2.37	4.0
Ansley	82	11	47.4	1.20	3.0
Arapahoe				1.68	
Arcadia	80	14	50.2	0.92	4.0
Ashland *a*	82	24	53.4	3.88	1.0
Ashland *b*				3.88	1.0
Ashton				1.93	4.0
Auburn	86	25	55.0	2.32	0.5
Aurora	83	18	53.0	2.29	3.0
Bartley	89	12	53.2	0.80	3.0
Beatrice	82	20	52.1	3.50	2.0
Beaver	86	18	52.6	2.16	3.5
Bellevue				2.81	1.0
Benedict				2.92	
Benkleman				0.85	3.0
Blair	81	24	51.2	2.57	1.2
Bluehill				1.70	1.0
Bradshaw				2.62	
Bridgeport	84	16	47.8	0.55	
Brokenbow	81	16	49.4	0.81	3.5
Burchard				2.08	
Burwell				2.17	4.0
Nebraska—Cont'd.					
Callaway	80	13	44.9	2.05	4.0
Cedar Rapids	79	17	46.2	2.99	3.0
Central City				1.55	3.0
Chester				2.90	T.
Columbus	80	20	50.8	2.98	1.2
Crete	84	23	53.0	2.91	1.1
Culbertson				0.90	0.8
Curtis	84[g]	19[g]	51.8[g]	1.10	5.0
David City	80	20	50.7	3.17	1.2
Dawson	87	27	54.0	2.41	0.5
Edgar				2.00	2.0
Ericson				2.40	5.0
Ewing				2.50	2.5
Fairbury	84	23	51.9	3.17	2.0
Fairmont	82	20	51.0	1.89	1.0
Fort Robinson	89	9	47.5	1.21	4.0
Franklin[f]	85	15	51.2	2.57	1.0
Fremont	79	24	49.9	2.64	1.5
Geneva	88	20	50.9	2.76	3.0
Genoa (near)	80	20	51.0	2.66	1.5
Gering	82	16	49.0	1.42	
Gordon				1.30	1.0
Gosper				0.94	1.2
Gothenburg	86	10	48.2	0.92	
Grand Island *b*	84	17	49.8	1.86	1.6
Greeley				1.75	2.0
Guide Rock				1.69	2.0
Halsey	83	12	50.8	1.68	1.6
Hartington	78	17	46.9	1.90	2.5
Harvard	82	18	51.0	1.98	1.0
Hastings*[1]	82	20	51.2	1.45	2.0
Hayes Center				1.42	10.0
Hebron	83	23	53.4	2.73	1.0
Hickman				3.67	0.5
Holbrook				1.24	5.0
Holdrege				1.83	3.0
Hooper*[1]	78	26	50.4	2.36	1.0
Imperial	81	14	48.4	0.70	4.0
Johnstown				1.57	1.0
Kearney				1.78	2.0
Kennedy	83	16	47.0	1.65	2.5
Kimball	80	10	44.4	1.25	5.0
Kirkwood	80	10	50.4	2.04	3.0
Leavitt	82	20	49.8	2.12	3.0
Lexington	82	10	48.2	1.15	3.0
Lockridge	83	19	51.6	2.50	2.0
Lodgepole	83	16	47.0	0.97	1.2
Loup	82	13	49.4	1.18	4.0
Lynch				1.20	3.0
Lyons				2.27	1.0
McCook				0.90	2.5
McCool Junction				2.72	
Madison	78	18	48.8	3.00	2.0
Madrid	82	17	48.0		
Marquette				1.63	
Mason				1.40	
Minden *b*	83	16	50.4	1.83	2.0
Monroe				3.55	2.0
Nebraska City *c*	84	25	55.1	2.30	T.
Nemaha				1.84	1.0
Norfolk	80	18	48.8	3.52	1.2
North Loup	83	17	50.6	1.95	4.5
Oakdale	80	14	48.2	2.24	3.0
Odell				2.65	
O'Neill	85	13	46.9	1.30	3.0
Ord				1.84	
Osceola				2.97	
Palmer				2.25	2.0
Palmyra*[1]	82	22	51.6	4.05	
Pawnee City				2.46	0.5
Plattsmouth *a*				2.04	2.0
Plattsmouth *b*	83	27	52.4	1.84	2.0
Purdum	81	12	48.1	2.23	3.0
Ravenna *a*	81	15	50.1	1.45	2.5
Ravenna *b*				1.62	2.0
Redcloud	87	21	51.8	1.85	2.0
Rulo				1.53	
St. Libory				2.06	3.0
St. Paul	83	16	52.6	2.16	2.0
Salem				1.20	0.5
Santee	82	16	51.4	1.26	2.3
Schuyler				3.32	2.0
Seward	84	23	53.7	3.86	1.0
Smithfield				1.68	5.0
Spragg				1.91	3.0
Springview	81	17	49.7	1.55	
Stanton	79	19	50.2	2.78	
Strang				2.48	1.0
Stratton				0.80	3.0
Superior	80	22	51.9	1.70	2.0
Syracuse				1.90	1.0
Tablerock				3.10	1.0
Tecumseh *b*	82	24	52.8	3.17	
Tecumseh *c*				3.13	0.5
Tekamah	81	24	52.4	3.57	4.0
Turlington	82	25	53.0	2.44	1.0
University Farm	84	25	53.2	3.41	2.0
Wakefield	78	20	49.2	2.56	0.5
Nebraska—Cont'd.					
Wallace				0.30	3.0
Wauneta				0.39	2.2
Weeping Water				2.01	1.0
Westpoint	79	21	53.1	1.68	2.0
Wilber*[1]	82	26	53.9	4.17	2.0
Willard				0.65	1.0
Wilsonville				2.15	3.0
Winnebago	78	21	49.8	1.96	2.0
Wisner				2.04	2.0
Wymore	82	28	53.6	2.83	T.
York	83	20	53.8	2.70	2.0
Nevada.					
Amos	75	10	39.8	0.33	
Austin	68	16	41.4	1.91	
Battle Mountain	78	15	46.2	0.30	
Belmont	69[c]	14[c]	40.9[c]	0.26	2.0
Beowawe	82	24	49.2	0.00	
Caliente	88	19	51.0	0.10	
Candelaria	75[c]	19[d]	45.7[c]	0.12	0.7
Carson City	76	18	43.8	0.19	0.5
Cranes Ranch				0.82	
Dyer	80	14	44.9	0.01	
Elko	69	15	43.5	0.50	
Ely	75	12[j]	41.5[e]	1.16	6.0
Eureka	74	12	43.0	1.10	15.0
Fenelon*[1]	80	17	42.4		
Halleck*[5]	74	24	42.4		0.5
Hamilton	60	8	33.2		2.5
Hawthorne	78	19	46.9	0.10	
Humboldt	76	25	47.6	0.13	
Lewers Ranch	76	18	44.2	1.08	4.5
Lovelocks	70	26	49.3	0.78	
Martins	85	12	45.6	0.53	2.0
Mill City*[1]	74	20	47.6	0.00	
Monitor Mill	71	1	37.0	1.10	12.0
Palisade	91	22	46.5	0.00	
Palmetto	76	15	43.2	1.38	10.0
Potts	75	10	39.0	0.90	8.0
Reno State University	74	19	43.7	1.04	0.6
Rioville	101	37	66.6	0.05	
Silverpeak	82	26	49.8		
Sodaville	86	21	50.2	T.	
Tecoma	78	15	43.6	T.	
Toano*[5]	82	23	43.4	0.20	2.0
Wabuska	78	17	46.7	0.05	
Wadsworth	81	18	47.8	0.00	
Wells*[1]	82	22	49.5	0.00	
Wood	76	11	41.8	1.02	
New Hampshire.					
Alstead	81	17	43.4	2.27	1.8
Berlin Mills	79	6	40.2	1.34	5.1
Bethlehem	78	10	40.8	1.36	6.0
Brookline*[1]	86	18	45.8	3.58	0.2
Chatham	78	12	41.4	1.30	4.0
Concord	85	17	44.3	1.65	T.
Durham	80	18	44.8	2.34	
Franklin Falls	82	17	42.9	1.72	0.2
Grafton	85	12	41.8	1.89	2.0
Hanover	86	14	44.2	0.97	1.9
Keene	87	16	44.3	2.13	0.5
Littleton	80	8	40.2	1.47	14.0
Manchester				1.94	T.
Nashua	87	19	45.6	2.92	T.
Newton	81	14	45.4	3.50	T.
North Stratford				T.	T.
Plymouth	82	17	43.4	1.33	T.
Sanbornton	81	17	42.6	1.48	T.
Stratford	82	7	40.9	1.12	4.0
West Stewartstown				1.58	3.5
New Jersey.					
Asbury Park	85	27	50.0	3.22	T.
Barnegat	89	23	50.9	4.02	T.
Bayonne	89	27	51.6	2.86	T.
Belvidere	89	24	51.2	4.27	
Bergen Point	89	27	51.0	3.80	
Beverly	92	27	52.4	4.73	T.
Blairstown	87	23	50.2	3.90	
Bridgeton	91	26	53.4	5.05	
Camden	89	27	53.4	3.92	
Canton				3.33	
Cape May C. H.	85	27	51.4	2.68	T.
Charlotteburg	86	18	47.6	4.42	
Chester	86	22	48.4	4.80	
Clayton	89	26	51.3	3.53	
College Farm	90	26	50.6	4.57	
Dover	90	23	48.2	4.34	
Elizabeth	90	25	52.7	3.66	T.
Essex Fells[d]	88	24	51.4		
Flemington	87	26	50.9	4.45	
Freehold	88	27	50.6	3.81	T.
Friesburg	87	26	51.4	4.00	
Hightstown	90	27	51.8	7.03	
Imlaystown	88	26	52.2	4.58	T.
Indian Mills	91	24	51.6	3.33	T.
Lakewood	91	24	50.2	3.46	
Lambertville	89	26	51.4	4.56	T.
Layton	87	18	47.6	2.94	
Moorestown	90	28	51.6	5.33	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.
	°	°	°	Ins.	Ins.
New Jersey—Cont'd.					
Mount Pleasant				3.55	T.
Newark	89	26	51.0	3.13	
New Brunswick	91	26	52.2	4.53	T.
Newton	83	23	49.2	3.05	
Oceanic	84	29	50.5	2.59	0.2
Paterson	92	27	53.0	4.51	T.
Pemberton	90	26	51.3	4.80	
Perth Amboy	90	29	52.5	3.91	
Phillipsburg	88	26	50.6	4.16	T.
Plainfield	89	26	50.4	4.05	T.
Rancocas				4.10	T.
Ringwood	89	20	48.8	3.78	
Rivervale	87	22	49.0	5.13	
Salem	90	25	52.4	3.61	
Somerville	88	25	50.4	4.01	T.
South Orange	85	26	50.2	3.67	T.
Sussex	87	23	49.2	3.71	T.
Toms River	91	22	49.8	3.66	T.
Trenton	89	30	54.7	6.49	
Tuckerton	88	27	50.8	4.13	T.
Vineland	90	26	52.0	4.66	T.
Woodbine	88	24	51.0	3.35	T.
Woodstown				3.17	
New Mexico.					
Alamagordo	89	30	59.8	T.	
Albert	84	26	55.7	0.81	T.
Albuquerque	82	26	56.5	0.05	
Alma	85	23	54.2	T.	
Arabella	82	24	56.0	0.00	
Bellranch				0.74	T.
Cambray				T.	
Carlsbad	94	33	65.1	0.51	
Cloudcroft	62	18	41.1	0.15	
Deming				0.00	
Dorsey	78	18	47.7	0.98	
Eagle Rock Ranch	71	15	47.0	1.86	7.5
Engle	82	31	55.8	0.27	
Fort Stanton	75[e]	18	50.8[e]	0.20	
Fort Union	76	18	45.9	0.54	T.
Gage				0.00	
Galisteo	74	28	53.0	0.12	
Gallinas Spring	81	30	53.4	1.15	
Golden				0.15	1.5
Hot Springs	73	18	47.6	0.31	
Las Vegas	78	18	48.6	0.52	1.0
Lordsburg				0.00	
Los Lunas	88	30	57.0	T.	
Luna	78	10	45.8	T.	T.
Mesilla Park	89	34	60.6	0.08	
Mountainair	84	17	49.8	0.43	T.
Raton	90	18	48.8	0.00	
Roswell	89			T.	
San Marcial	93	35	61.3	T.	
Strauss				0.45	
Taos	74	23	46.5	1.58	
Winsors	67	10	39.5	1.88	
New York.					
Adams				2.59	2.0
Addison	84	20	45.2	2.67	T.
Adirondack Lodge	80	7	37.4	2.72	7.1
Akron				4.30	
Alden	81	18	45.8	4.02	0.5
Amsterdam				1.49	T.
Angelica	85	14	44.6	2.65	T.
Appleton	83	24	45.0	3.52	T.
Arcade	80	15	42.0	4.13	4.0
Athens	86	23	48.8	1.96	T.
Atlanta	83	17	43.4	2.92	2.0
Auburn	86	20	46.8	3.09	T.
Avon	83	20	44.2	3.33	T.
Axton	74	9	37.0	1.95	2.0
Baldwinsville	85	22	45.6	2.18	T.
Beaver	82	11	39.8	1.56	1.0
Bedford	85	23	49.6	1.91	T.
Berlin	84	18	45.3	1.49	1.0
Blue Mountain Lake				1.85	T.
Bolivar	81	14	42.8	2.47	T.
Bouckville	82	15	43.2	1.80	
Boyds Corner				2.68	
Brockport	83	19	45.4	3.70	1.0
Brown Station				1.62	
Caldwell	86	18	45.3	1.69	2.0
Canajoharie	87	18	44.9	1.27	T.
Canaan Four Corners	85[d]	17[d]	45.0[d]	2.05	
Carmel	84	23	49.0	2.63	T.
Carvers Falls	86	19	43.8	0.78	
Cedarhill	86	22	47.4	0.96	5.0
Chazy	82	12	44.2	2.48	1.0
Cooperstown	82	17	42.6	1.57	T.
Cortland	84	10	45.1	1.12	
Cutchogue	80	27	48.0	4.26	T.
Dekalb Junction				2.85	2.0
De Ruyter	78	16	42.4	1.60	1.0
Easton				1.45	3.0
Elba	80	18	42.4	3.15	T.
Elmira	88	22	47.7	2.24	
Fayetteville	86	20	45.6	2.36	T.
Franklinville	79	15	42.5	3.49	0.5
New York—Cont'd.					
Gabriels	82	7	37.9	2.57	1.5
Gansevoort				2.13	3.0
Glens Falls	84	19	46.0	1.27	2.0
Gloversville	89	17	44.2	1.37	
Greenwich	85	19	45.8	0.95	2.0
Griffin Corners	82	13	42.0	2.17	T.
Harkness	87	15	44.4	2.37	0.5
Haskinville				2.16	
Hemlock	76	21	45.3	2.60	
Homer	83	19	43.2	1.25	T.
Honeymead Brook	85	23	46.6	2.02	1.0
Indian Lake	81	10	39.1	2.16	T.
Ithaca	84	21	44.6	1.04	1.5
Jamestown	82	17	45.4	3.73	T.
Keene Valley	86	13	41.6	2.37	0.5
King Ferry				1.39	T.
Liberty	83	14	43.5	2.26	T.
Littlefalls, City Res.	87	22	45.2	1.44	T.
Lockport	80[c]	19[c]	44.7[c]	4.00	0.5
Lowville	82	15	41.6	2.87	
Lyndonville				3.05	
Lyons	85	21	47.6	2.83	T.
Middletown	84	23	47.4	3.59	T.
Mohonk Lake	81	19	46.4	3.03	1.0
Moira	84	10	44.2	2.61	0.2
Mount Etrick	81	16	43.4	1.82	
Newark Valley				1.62	
New Lisbon	83	14	41.2	1.26	T.
North Hammond				3.41	2.0
North Lake				1.12	T.
Number Four	81	9	40.8	2.46	1.6
Nunda	83	18	44.6	3.63	T.
Ogdensburg	80	11	43.2	1.80	11.2
Oneonta	86	15	44.8	1.05	T.
Oswegatchie	66[c]	11[c]	40.9[c]	2.39	T.
Otto	84	14	44.0	3.23	
Oxford	82	18	44.0	1.69	T.
Palermo				3.03	
Penn Yan	84	20	45.5	2.11	T.
Perry City	82	16	43.2	1.86	T.
Plattsburg	88	11	41.2	1.70	T.
Port Jervis	88	22	48.6	3.52	T.
Primrose	87	23	48.8	5.66	
Redhook				2.63	
Richmondville	86	15	44.6	1.03	T.
Ridgeway	80	21	44.2	3.66	2.1
Rome	86	20	45.8	3.30	
Romulus	85	21	46.2	2.77	T.
Salisbury Mills				3.70	4.5
Saranac Lake	83	6	40.3	2.23	0.4
Scottsville				3.15	
Setauket	80	28	48.7	3.61	0.3
Shortsville	84	21	45.2	2.29	0.5
Skaneateles				2.77	
Southampton	80	26	47.2	4.19	T.
South Butler	80	22	43.5	3.37	0.5
South Canisteo	81	15	42.0	3.24	1.5
Southeast Reservoir				2.69	
South Kortright	84	12	42.4	1.71	0.1
South Schroon	83	11	42.1	1.94	1.3
Speer Falls	87	18	45.8	1.13	T.
Straits Corners	84[f]	18[f]	43.6[f]	2.27	0.5
Ticonderoga	82	18	45.5	1.64	0.1
Volusia	76	14	45.1	3.10	
Walton	84	18	44.0	2.05	0.6
Wappinger Falls	87	23	48.8	3.19	1.0
Warwick				3.50	
Watertown	82	12	43.9	2.70	1.0
Waverly	86	20	45.7	2.25	T.
Wedgwood	80	17	43.0	2.06	T.
Wells	84	16	42.5	1.71	
West Berne	85	15	43.4	1.46	
Westfield *b*	79	19	44.9	3.09	
Westfield *c*				3.14	T.
Windham	87	16	43.2	2.65	T.
Youngstown				3.83	
North Carolina.					
Bryson City				8.61	
Chapelhill	86	29	59.2	7.99	
Currituck				3.98	
Edenton	87	31	58.9	4.59	
Fayetteville	87	30	60.6	3.39	
Flatrock	83	26	54.6	4.63	T.
Goldsboro	84	30	58.0	3.64	
Graham				6.09	
Greensboro	87	29	56.5	5.32	
Henderson	84	29	57.9	4.87	
Hendersonville	85	27	54.6	4.38	
Henrietta	87	29	57.4	4.10	
Highlands	71	15	46.6	7.80	
Horse Cove	77	26	52.4	5.34	T.
Jefferson	81	23	50.4	3.49	T.
Kinston	86	30	56.7	2.99	
Lenoir	82	19	53.8	5.36	
Lexington	85	29	58.1	6.83	
Linville	77	15	44.2		
Littleton	85	27	56.3	6.07	
Louisburg	85	30	58.0	7.06	
North Carolina—Cont'd.					
Lumberton	82	34	59.4	3.64	
Marion	86	28	56.8	5.17	T.
Marshall	82	24	51.6	6.14	0.2
Mocksville	88	28[c]	54.4[b]	5.19	
Moncure	88	29	58.2	4.90	
Monroe	85	26	57.0	3.32	
Morganton	86	26	56.8	4.85	
Mountairy	83	27[c]	58.1	4.04	
Murphy				4.92	T.
Newbern	85	32	60.1	3.97	
Patterson *[1]	80	26	52.1	5.28	T.
Pittsboro	88	29	58.4	6.08	
Reidsville	85	26	56.8	5.01	
Rockingham	89	31	60.0	5.12	
Roxboro	87	26[c]	57.0	6.51	
Salem	83	26	56.8	3.98	
Salisbury	85	29	59.4	5.10	
Saxon	86	25	55.3	4.70	
Selma	87	29	58.4	7.19	
Settle	86	30	58.1	5.19	
Sloan	85	31	59.4	3.27	
Soapstone Mount	84	26	56.2	5.93	
Southern Pines *a*	89	29	60.8	4.87	
Southern Pines *b*	87	31	60.4	4.09	
Southport	81	34	61.6	2.40	
Springhope	86	31	58.8	7.78	
Statesville	84	26	56.2	7.37	
Tarboro	90	32	59.4	4.39	
Washington	91	31	61.7	3.70	
Waynesville	83	27	54.8	4.69	
Weldon *a*	82	30	56.6	5.89	
Weldon *b*				6.07	
North Dakota.					
Amenia	76	15	42.5	1.63	1.0
Ashley	73[d]	11[d]	39.6[d]	1.21	3.0
Berlin	72	8	41.4	3.65	23.0
Bottineau	75	14	42.0	T.	
Buxton	74	17	42.6	0.84	2.0
Cando	76	13	41.2	0.55	
Churchs Ferry	73	17	41.0	1.72	1.0
Coalharbor	77	15	44.4	T.	T.
Devils Lake	72	18	41.6	2.18	3.0
Dickinson	80	15	46.0	0.31	2.0
Donnybrook				1.30	2.0
Dunseith	82	13	42.2	0.40	2.3
Edgeley	74	16	44.0	2.85	2.0
Elbowoods	75	17	42.4	0.30	3.0
Ellendale	78	22	44.8	1.55	1.0
Fargo	76	14	42.7	1.34	
Forman	75	15	43.2	2.22	7.0
Fort Yates	76	20	46.4	1.00	
Fullerton	74	15	42.8	3.04	14.2
Gallatin	68	10	39.2	1.21	5.5
Glenullin	77	17	44.5	0.47	3.5
Grafton	73	17	41.0	0.56	0.6
Hamilton	72	14	40.8	2.38	7.0
Jamestown	77	16	44.1	1.33	1.0
Larimore	74	16	40.5	0.89	2.2
Libson	76	12	41.6	1.96	T.
McKinney	75	10	40.0	0.50	
Mayville	75	8	40.6	0.05	T.
Medora	83	16	45.4	0.15	1.5
Melville	72	17	43.0	1.46	T.
Minnewaukon	72	17	43.0	1.70	
Minto	74	11	39.8	0.88	T.
Napoleon	77	18	44.2	1.27	5.0
New England	76	10	41.8	0.55	0.5
Oakdale	79	16	44.6	0.58	4.0
Pembina	72	10	39.8	1.41	6.2
Portal	72	16	40.2	1.25	2.0
Power	77	16	42.7	1.34	2.5
Steele	74	13	42.1	0.70	6.0
University	72	18	43.8	0.75	
Wahpeton	79	18	45.6	2.55	
Willow City	76	12	41.4	0.53	
Woodbridge	75	13	40.6	0.51	5.1
Ohio.					
Akron	80	20	48.4	3.86	0.5
Atwater				4.37	
Bangorville	80	19	49.7	4.57	T.
Bellefontaine	78	19	48.1	3.30	T.
Bement				3.78	T.
Benton Ridge	80	22	50.0	5.95	0.5
Bladensburg	80	16	48.3	4.56	
Bloomingburg				3.60	T.
Bowling Green	81	19	48.4	5.26	1.0
Bucyrus	77	18	51.8	4.98	T.
Cambridge	83	19	51.2	5.34	
Camp Dennison	82	22	53.2	3.13	T.
Canal Dover	82	18	48.6	3.20	T.
Canton	81	20	48.8	3.99	0.1
Cardington	80	19	48.8	3.69	0.3
Cedarville				3.46	
Centerburg				3.85	T.
Chillicothe	85	22	52.6	4.28	
Circleville	81	22	52.0	3.63	T.
Clarington	82	21	51.8	4.70	
Clarksville	80	24	52.6	3.21	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.
	°	°	°	Ins.	Ins.
Ohio—Cont'd.					
Cleveland *a*	80	22	48.4	4.25	1.0
Cleveland *b*	81	20	48.0	3.86	T.
Clifton	78	23	51.0	3.35	
Coalton	84	19	52.5	3.21	
Colebrook	80	17[c]	46.6[c]	4.19	
Coshocton				5.26	
Dayton *a*				3.03	
Dayton *b*	80	22	51.2	3.66	
Defiance	82	19	48.3	4.55	0.5
Delaware	81	20	49.9	3.41	0.1
Demos	81	12	50.8	4.03	T.
Dunham				3.82	
Elyria	83	21	47.8	3.95	
Findlay	83	22	49.8	5.50	
Fort Recovery				4.96	
Frankfort	81	23	52.2	3.11	
Fremont	83	21	49.8	4.80	1.0
Garrettsville	81	14	47.1	4.69	2.5
Granville	79	20	50.6	3.94	T.
Gratiot	80	19	50.3	3.66	0.1
Green	83	24	52.6	4.77	T.
Greenfield	80	26	53.1	3.90	T.
Greenhill	79	14	46.7	2.34	0.2
Greenville	80	22	50.4	3.43	
Hanging Rock	86	22	55.0	4.83	
Hedges	81	20	49.6	5.87	
Hillhouse	80	10	45.3	4.39	2.0
Hiram	79	11	47.9	4.79	2.0
Hudson	82	12	46.8	4.10	3.0
Jacksonboro	81	22	50.9	2.87	
Kenton	79	20	50.0	4.05	T.
Killbuck	79	12	49.0	3.61	T.
Lancaster	81	21	51.4	3.16	T.
Lima	79	20	48.8	6.48	T.
McConnelsville	84	19	50.6	4.13	T.
McCormick				4.85	
Manara	77	22	50.4	3.47	
Mansfield				4.50	
Marietta	82	24	54.2	4.20	
Marion	83	19	50.6	3.51	T.
Medina	81	16	48.4	4.51	1.0
Milfordton	76	19	48.0	4.16	T.
Milligan	82	18	51.1	2.76	
Millport	80	16	47.5	2.64	T.
Montpelier	79	18	47.2	5.86	2.5
Morrow				3.65	
Napoleon	80	20	49.2	4.47	T.
New Alexandria	82	19	51.4	3.40	T.
New Berlin	80	15	48.5	4.33	T.
New Bremen	79	21	49.2	5.43	
New Lexington				3.30	
New Richmond	82	25	54.1	3.88	0.2
New Waterford	85	15	48.8	2.87	T.
North Lewisburg	80	19	50.6	3.25	
North Royalton	76	16	47.5	5.30	1.0
Norwalk	83	21	48.6	4.18	2.0
Oberlin	82	19	48.6	5.63	
Ohio State University	79	21	50.2	2.63	
Orangeville	81	15	47.0	4.28	T.
Ottawa	84	20	50.0	5.65	
Pataskala	79	19	49.8	3.79	T.
Philo	82	21	52.4	4.08	
Plattsburg	79	21	50.2	2.98	T.
Pomeroy	84	28	52.0	4.15	
Portsmouth *a*				3.69	T.
Portsmouth *b*	88	26	55.5	4.19	T.
Pulse	80	24	53.0	3.10	T.
Redlion				2.66	
Richfield				4.74	1.0
Ripley	80	22	52.0	3.65	T.
Rittman	82	18	48.2	5.10	T.
Rockyridge	82	21	47.9	4.37	T.
Shenandoah	79	20	47.9	5.45	0.8
Sidney	82	22	51.8	2.97	0.3
Somerset	82	21	51.6		T.
Springfield				2.78	
Strongsville				6.63	0.5
Thurman	85	20	53.6	4.02	
Tiffin	80	22	49.8	6.19	0.7
Upper Sandusky	83	21	51.3	4.60	
Urbana	76	20	48.2	2.54	T.
Vickery	80	23	48.1	4.79	0.3
Wadsworth				4.35	
Walnut				3.77	T.
Warren	82	18	48.0	2.59	0.3
Warsaw	80	16	48.2	4.45	
Wauseon	82	19	48.4	5.41	1.3
Waverly	84	21	53.6	3.64	T.
Waynesville	79	23	51.3	2.98	
Wellington	83	20	48.8	5.46	1.0
Willoughby				4.42	
Wooster	74	19	48.6	4.55	0.5
Zanesville				2.98	
Oklahoma.					
Arapaho	90	29	60.0	1.19	
Beaver	89	28	55.8	1.67	1.0
Blackburn	91	31	59.0	2.78	
Burnett	90	31	62.1	0.11	
Oklahoma—Cont'd.					
Chandler	88	33	59.8	0.80	
Cleo	95	27	59.2	1.45	
Clifton	89	30	60.2	0.38	
Cloud Chief	89	30	58.3	3.40	
Enid	91	33	58.5	2.51	T.
Fort Reno	92	30	61.2	2.30	
Fort Sill	86	30	61.2	0.20	
Guthrie	98	34	62.0	2.23	
Hennessey	92	31	60.2	1.45	
Hobart				2.86	
Jefferson	93	32	58.4	2.70	
Jenkins	88	30	58.2	3.52	
Kenton	86	20	53.2	0.85	4.0
Kingfisher	86	31	59.8	0.58	
Mangum	90	35	62.4	2.60	
Newkirk	85	32	59.2	2.21	
Norman	91	32	60.8	0.25	
Okeene				1.51	
Pawhuska	89	33	60.0	2.00	
Perry	91	30	59.2	0.73	
Sac and Fox Agency	89	33	63.4	1.70	
Shawnee	89	34	62.1	0.23	
Stillwater	89	33	57.0	2.97	
Taloga	91	31	59.6	2.50	
Temple	90	33	63.1	0.13	
Ural	94	29	57.4	1.20	
Waukomis	92	31	60.0	0.92	
Weatherford	92	30	59.2	2.10	
Oregon.					
Albany *b*				2.31	
Alpha	75	28	47.4	5.38	2.2
Arlington	78	27	50.6	0.37	
Ashland	80	25	47.5	0.43	1.1
Astoria	66	33	48.1	6.16	T.
Aurora (near)	72	30	48.2	3.14	T.
Bay City	65	29	46.4	10.34	
Bend	76	8	39.1	0.02	1.0
Beulah	78	15	44.6	0.00	
Blackbutte	66	26	46.3	3.30	1.5
Blalock	78	30	53.6	0.24	
Bullrun				5.80	3.5
Cascade Locks	73	33	49.0	3.84	T.
Coquille				2.93	
Corvallis	72	28	47.8	2.67	
Coyote	83[g]	24[i]	53.2[h]	0.18	T.
Dayville	82	21	47.3	0.34	T.
Doraville	67	27	43.6	4.15	0.2
Drain	76	28	48.8	1.68	0.5
Ella				0.28	
Eugene	68[i]	31[b]	48.1[h]	1.41	
Fairview	67	29	48.8	5.86	2.0
Falls City	69	28	45.8	4.57	T.
Forestgrove	71	23	46.8	2.70	
Gardiner	67	31	50.0	5.55	
Glenora	74	28	46.3	9.38	2.5
Government Camp	59	18	34.5	5.12	34.0
Grants Pass	84	21	48.2	0.35	
Grass Valley	65	20	42.4	0.50	
Heppner	76	26	47.0	0.14	
Hood River (near)	72	28	48.2	0.62	
Huntington	80	20	49.6	0.06	
Jacksonville	78	25	51.0	0.25	
Joseph	73	8	38.6	1.55	12.7
Kerby	80	20	47.0	1.06	T.
Klamath Falls	80	17	45.8		
Lagrande	77	21	44.6	0.17	1.5
Lakeview	74	10	41.4	0.48	5.0
Lonerock	71	22	43.4	0.64	2.2
McKenzie Bridge	79	24	46.6	3.18	
McMinnville	70	25	48.0	2.84	T.
Monroe	69	29	47.8	1.82	T.
Mount Angel	68	31	48.1	2.05	
Nehalem				10.50	1.5
Newport	60	32	47.0	6.60	
Pendleton	75	23	48.4	0.30	
Pine	80[d]	25[h]	49.0[f]	0.74	
Placer				1.25	
Salem	69	31	48.9	1.20	
Silverlake	78	12	40.7		
Sparta	70	17	43.8	0.62	5.0
Stafford	69	30	47.2	3.66	
The Dalles	76	28	50.6	0.23	
Toledo	72	29	48.1	6.54	0.2
Umatilla	79	28	52.2	0.01	
Vale	83	15	46.8	0.10	
Wallowa	78	18	42.6	0.51	1.1
Wamic	70	22	44.2	0.05	T.
Warm Spring	75	20	47.0	0.26	
Weston	74	20	44.3	0.61	T.
Williams	81	23	47.8	0.53	
Pennsylvania.					
Aleppo	81	17	51.0	3.96	T.
Altoona	87	17	48.9	2.99	T.
Beaver Dam				2.52	
Bellefonte	87	22	50.9	3.47	
Brookville				4.20	
Browers				3.51	
Butler	80	16	48.0	2.93	T.
Pennsylvania—Cont'd.					
California	84	20	52.6	3.23	T.
Cassandra	82	16	47.2	2.45	T.
Centerhall	83	19	49.2	3.35	
Clarion				3.34	T.
Coatesville	89	24	51.4	4.38	
Coudersport	80[b]	16	43.2[d]		T.
Confluence				3.66	
Davis Island Dam				2.55	
Derry Station	82	17	50.3	3.91	
Doylestown				4.27	
Dushore	80	18	43.2	2.66	
East Bloomsburg				3.11	
East Mauch Chunk	88	21	50.0	4.40	
Easton	84	25	49.8	4.38	
Ellwood Junction				2.16	
Emporium	82	20	47.0	2.76	T.
Ephrata	86	23	50.6	3.10	
Everett	87[g]	19[g]	49.0[g]	3.71	
Forks of Neshaminy				4.52	
Franklin	82	15	47.9	3.77	T.
Freeport	89	18	50.4	2.70	T.
Girardville				4.23	T.
Grampian	80	14	45.6	3.72	
Greensboro				4.98	T.
Greenville	82	17	47.0	4.11	T.
Hamburg	88	22	50.3	4.02	
Hamlinton	84	17	43.8	3.49	
Hawthorn	82	15	46.4	3.48	
Herrs Island Dam				3.15	
Huntingdon *a*				2.94	
Huntingdon *b*	88	20	49.4	3.04	
Indiana	80	16	48.5		
Irwin	84	15	50.8	3.42	T.
Johnstown	87	19	51.0	4.08	T.
Keating				3.03	
Kennett Square	86	25	51.2	3.99	
Lansdale				3.01	
Lawrenceville	86	19	44.1	2.67	
Lebanon	88	23	51.0	3.67	
Leroy	84	18	44.8	2.97	0.2
Lewisburg	88	23	49.8	4.34	
Lockhaven *a*	89	23	50.8	2.81	
Lockhaven *b*				2.72	
Lock No. 4				3.01	T.
Lycippus	81	16	50.4	2.43	T.
Mifflin				3.59	T.
Milford	87	20	48.0	3.17	
Oil City				3.44	
Ottsville				4.11	
Parker				3.40	T.
Philadelphia	90	28	53.6	4.50	T.
Pocono Lake	79	17	43.4		
Point Pleasant				4.59	
Pottsville				4.77	
Quakertown	88	25	50.4	4.57	T.
Reading	88	26	51.2	4.62	
Renovo *a*	88	21	48.4	3.05	
Renovo *b*				2.77	
Saegerstown	81	12	45.8	3.44	T.
St. Marys	78	15	45.0	3.90	
Saltsburg				3.42	0.2
Seisholtzville				4.84	
Selinsgrove	87	23	50.0	4.39	
Shawmont				3.81	
Smethport	80	16	44.2	2.49	
Smiths Corners				4.71	
Somerset	83	15	48.4	4.52	0.5
South Bethlehem	87	26	51.0	4.59	T.
South Eaton	85	22	47.3	3.29	
Spring Mount				3.67	
State College	83	18	47.7	3.81	
Sunbury				4.26	
Swarthmore	87	25	51.7	3.71	
Towanda	84	23	46.0	2.37	T.
Troutrun				4.28	
Uniontown	83	25	53.0	3.55	T.
Warren	81	16	45.6	3.24	0.7
Wellsboro	82	20	46.2	2.76	T.
Westchester	87	25	51.6	4.53	
West Newton				3.03	
Wilkesbarre	86	22	47.8	3.07	
Williamsport	86	22	49.7	3.67	T.
York	88	25	51.8	3.21	
Rhode Island.					
Bristol	79	27	47.2	4.43	
Kingston	83	23	46.1	6.91	
Pawtucket	85	27	50.2	3.79	
Providence *a*	84	27	48.5	4.01	T.
Providence *c*	83	24	47.6	3.66	
South Carolina.					
Allendale	84	38	62.4	2.60	
Anderson	87	34	60.0	3.10	
Barksdale	85	30	59.6	4.74	
Batesburg	88	31	59.9	3.31	
Beaufort	81	41	63.2	0.85	
Bennettsville	88	33	61.1	3.92	
Blackville	87	37	62.0	4.29	
Bowman	87	37	62.0	2.04	

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.					
Calhoun Falls	.....	.....	.....	1.82	
Cheraw *a*	85	32	59.0	2.97	
Cheraw *b*	.....	.....	.....	3.78	
Clarks Hill	86	35	61.2	2.08	
Clemson College	86	26	57.4	4.17	
Conway	87	34	60.8	2.50	
Darlington	85	33	60.6	2.63	
Duewest	82	35	59.8	1.70	
Edisto	.....	.....	.....	3.03	
Effingham	.....	.....	.....	3.97	
Florence	85	35	60.8	3.28	
Gaffney	87	30	58.6	3.61	
Gillisonville	85	35	62.4	0.95	
Greenville	83	29	55.4	4.47	
Greenwood	84	35	59.8	2.01	
Heath Springs	84	28	56.6	4.54	
Kingstree *a*	84	35	60.0	2.64	
Kingstree *b*	.....	.....	.....	2.32	
Liberty	87	31	58.6	5.55	
Little Mountain	85	34	60.9	3.04	
Longshore	86	34	59.6	2.35	
St. Georges	85	38	61.2	1.97	
St. Matthews	84	38	60.2	6.02	
St. Stephens	.....	.....	.....	1.68	
Saluda	86	34	61.2	2.23	
Santuck	86	30	58.4	4.75	
Seivern	88	31	59.2	4.29	
Smiths Mills	.....	.....	.....	3.00	
Society Hill	84	35	61.2	3.69	
Spartanburg	87	28	57.4	4.43	
Statesburg	85	34	61.9	2.99	
Summerville	83	37	61.0	2.65	
Sumter	84	36	60.7	1.98	
Temperance	85	35	60.1	2.39	
Trenton	84	35	61.0	2.59	
Trial	84	35	58.8	2.23	
Winnsboro	84	32	59.2	2.54	
Winthrop College	84	33	59.6	3.02	
Yemossee	83	39	62.8	1.90	
Yorkville	88	34	61.2	3.68	
South Dakota.					
Aberdeen	78	17	44.2	2.40	
Academy	79	20	48.9	1.59	2.0
Alexandria	75	14	46.6	0.72	1.0
Armour	78	22	45.0	1.65	2.5
Ashcroft	80	15	46.0	0.72	2.2
Bowdle	75	11	43.6	1.10	4.0
Brookings	75	15	45.2	1.00	3.0
Canton	78	18	48.0	1.26	0.5
Centerville	.....	.....	.....	1.14	4.0
Chamberlain	82	22	50.0	1.41	0.7
Cherry Creek	83	12	47.6	1.02	1.0
Desmet	74	12	44.8	1.20	3.0
Doland	77	13	45.8	2.61	2.0
Elkpoint	77	18	49.8	1.82	1.0
Fairfax	78	16	51.0	2.18	3.0
Farmingdale	.....	.....	.....	1.89	T.
Faulkton	77	17	45.8	1.75	1.0
Flandreau	75	16	45.6	0.92	2.0
Forestburg	80	12	46.8	1.43	3.0
Fort Meade	78	20	47.0	2.55	.....
Gannvalley	80	19	49.0	1.02	2.0
Gettysburg	72	20	43.2	1.12	5.2
Grand River School	75	15	47.2	1.35	3.0
Greenwood	79	18	50.8	0.82	3.0
Highmore	.....	.....	.....	0.70	1.0
Hotch City	87	19	47.8	2.88	1.0
Howard	77	13	47.8	1.01	3.0
Howell	78	15	45.8	1.86	1.2
Interior	80	16	45.5	2.00	
Ipswich	76	15	44.0	1.63	1.5
Kimball	81	14	49.4	1.20	1.0
Leola	80	15	44.4	1.45	2.0
Marion	76	14	48.4	1.33	.....
Mellette	77	18	46.2	2.29	2.0
Menno	80	14	48.6	0.73	4.0
Millbank	80	20	45.6	1.84	2.0
Mitchell	76	14	47.6	1.10	2.0
Oelrichs	84	19	45.9	2.35	
Pedro	83	15	48.8	0.87	.....
Pine Ridge	83	21	47.8	1.64	0.5
Plankinton	78	16	49.2	1.64	3.0
Ramsey	76	9	45.9	1.05	4.0
Redfield	78	16	44.3	2.97	1.0
Rosebud	83	20	48.6	2.10	0.7
Silver City	.....	.....	.....	4.49	3.0
Sioux Falls	79	17	46.8	1.12	2.0
Sisseton Agency	76	16	43.8	2.40	1.0
Spearfish	80	20	45.4	5.56	20.0
Tyndall	79	13	49.8	1.82	.....
Vermilion	80	17	49.2	2.33	1.0
Watertown	75	15	43.5	1.20	1.0
Waubay	74	10	44.0	1.33	.....
Wentworth	77	15	45.9	0.72	1.5
Wolsey	.....	.....	.....	1.53	2.5
Tennessee.					
Andersonville	82	25	55.6	6.65	T.
Arlington	82	36	59.2	3.13	
Tennessee—Cont'd.					
Ashwood	82	29	57.3	2.23	
Benton	84	28	57.9	5.89	
Bluff City	.....	.....	.....	5.18	
Bolivar	83	32	57.7	2.85	
Bristol	83	23	52.0	5.14	T.
Brownsville	88	36	59.3	0.30	
Byrdstown	83	29	56.4	5.97	
Carthage	84	30	57.6	5.41	
Callettsburg	.....	.....	.....	7.89	
Charleston	.....	.....	.....	6.95	
Clarksville	83	31	57.7	2.18	
Clinton	.....	.....	.....	8.42	
Covington	79	34	60.0	1.90	
Decatur	84	29	57.1	6.58	
Dickson	80	27	56.6	5.43	
Elizabethton	82	25	52.1	4.63	T.
Erasmus	81	24	53.0	7.29	T.
Florence	80	31	57.4	4.40	
Franklin	81	30	57.2	4.66	
Grace *1	86	28	53.8	7.40	
Greeneville	82	25	54.3	8.42	T.
Halls Hill	.....	.....	.....	5.71	
Harriman	82	28	55.8	7.39	
Hohenwald	82	25	57.1	3.58	
Iron City	82	29	57.8	3.39	
Isabella	79	28	52.4	3.09	T.
Jackson	84	29	60.0	1.56	
Johnsonville	85	30	58.6	4.78	
Jonesboro	80	26	53.4	8.64	T.
Kenton	81	31	58.3	3.32	
Kingston	.....	.....	.....	7.26	
Leadvale	.....	.....	.....	6.70	
Lebanon	82	28	57.2	5.90	
Lewisburg	82	28	57.6	4.42	
Liberty	85	.....	.....	6.10	
Lynnville	79	32	56.2	3.77	
McKenzie	84	32	59.6	3.26	
McMinnville	84	27	56.4	4.69	
Maryville	84	31	57.2	7.15	T.
Milan	83	31	58.1	3.70	
Newport	81	29	56.0	7.03	
Nunnelly	85	28	57.8	2.93	
Oakhill	84	27	56.0	5.37	
Palmetto	81	30	57.8	5.49	
Pope	88	28	59.6	2.07	
Rogersville	83	27	55.3	5.98	T.
Rugby	84	22	52.8	6.75	T.
Savannah	88	32	59.7	2.20	
Sewanee	80	25	54.6	4.95	T.
Silverlake	77	20	50.0	4.90	
Springdale	84	25	54.4	6.64	T.
Springville	84	29	58.4	3.60	
Tazewell	.....	.....	.....	6.02	T.
Tellico Plains	85	28	58.6	6.83	
Tracy City	80	27	54.2	5.75	T.
Trenton	86	29	59.3	3.95	
Tullahoma	85	28	57.4	5.66	
Waynesboro	89	30	58.6	3.27	
Wildersville	82	34	59.6	2.56	
Yukon	80	30	57.6	3.17	
Texas.					
Albany	86	32	64.6	0.51	
Alvin	91[d]	48[d]	70.2[d]	1.79	
Arthur	.....	.....	.....	0.40	
Austin *a*	87	42	66.4	1.27	
Austin *b* ....●[5]	86	38	64.1	.....	
Ballinger	95	37	63.4	0.14	
Bastrop	98	38	66.9	1.90	
Beaumont	90	.....	.....	2.22	
Beeville	93	47	68.8	1.31	
Bigspring	95	33	64.4	0.08	
Blanco	88	33	62.3	2.08	
Boerne *1	85	40	64.1	2.03	
Bonham	88	36	64.3	0.29	
Booth	.....	.....	.....	2.95	
Bowie	91	32	64.1	0.15	
Brazoria	88	42	67.6	2.31	
Brenham	88	43	67.3	1.91	
Brighton	85	48	69.4	0.90	
Brownwood	.....	.....	.....	T.	
Burnet	93	37	65.2	0.27	
Camp Eagle Pass	96	41	70.2	0.30	
Childress	94	30	62.2	1.30	
Clarksville	86	34	63.2	1.60	
Coleman	91	35	62.8	1.20	
College Station	88	.....	.....	1.25	
Colorado	.....	35	.....	1.10	
Columbia	89	42	68.2	2.05	
Comanche	92	33	63.8	0.76	
Corsicana	96	32	65.0	0.12	
Cotulla	91	50	69.7	0.04	
Cuero	91	40	68.8	2.30	
Dallas	90	37	63.6	0.89	
Danevang	90	42	66.8	1.55	
Dublin	91	34	63.8	0.95	
Duval	88	40	68.0	1.11	
Estelle	90	36	65.0	0.75	
Fort Clark	90	38	65.0	0.60	
Texas—Cont'd.					
Fort Davis	88	30	61.0	0.43	
Fort McIntosh	96	42	72.2	0.00	
Fort Ringgold	97	50	74.9	0.00	
Fort Stockton	.....	.....	.....	0.22	
Fredericksburg	90	36	64.0	1.13	
Gainesville	87[e]	33	63.4	1.18	
Gatesville	93	36	66.2	0.29	
Georgetown	88	34	65.8	1.25	
Grapevine	89	35	65.4	0.68	
Greenville	90	36	65.2	0.23	
Hale Center	89	30	60.4	2.35	
Hallettsville	89	44	68.6	2.57	
Haskell	97	32	64.0	0.72	
Hearne	91	42	69.0	0.61	
Henrietta	92	31	63.7	0.33	
Hewitt	.....	.....	.....	0.63	
Hondo	.....	.....	.....	1.50	
Houston	89	45	69.6	3.85	
Huntsville	85	33	64.6	1.31	
Ira	97	32[d]	63.6	0.35	
Jacksonville	85	38	65.0	0.32	
Jasper	86	40	67.8	1.85	
Junction	.....	.....	.....	0.71	
Kaufman	88	38	65.3	0.25	
Kent	90	31	63.4	0.24	
Kerrville	89	32	63.4	2.38	
Kopperl	.....	.....	.....	0.20	
Lampasas	95	34	63.8	0.45	
Lapara	.....	.....	.....	1.77	
Laureles Ranch	.....	.....	.....	0.94	
Llano	95	41	63.1	0.35	
Longview	88	39	64.6	0.52	
Luling	88	40	66.7	2.40	
McKinney	86	34	61.1	0.41	
Mann	88	37	65.7	0.24	
Marlin	85	32	64.4	1.65	
Menardville	94	30	63.9	0.38	
Mount Blanco	91	29	59.4	1.05	
Nacogdoches	86	35	64.2	1.23	
New Braunfels	87	38	67.2	1.82	
Panter	.....	.....	.....	0.42	
Paris *a*	88	33	63.2	0.47	
Pearsall	90	49	68.6	0.08	
Port Lavaca	87	49	69.0	1.06	
Rhineland	93	31	62.4	1.60	
Rockisland	89	42	67.1	2.35	
Rockport	83	52	67.8	0.68	
Runge	92[f]	40[f]	68.4[f]	2.63	
Sanderson	86	50	65.5	0.00	
San Saba	95	33	65.4	1.13	
Sherman	84	37	61.6	0.56	
Sonora	92	37	65.2	1.04	
Sugarland	90	43	68.3	2.51	
Sulphur Springs	86	38	65.0	0.15	
Temple *a*	86	37	64.6	0.96	
Temple *b*	87	36	64.1	0.90	
Trinity	87	37	66.6	0.88	
Tyler	86	40	65.4	1.03	
Victoria	.....	.....	.....	1.03	
Waco	91	40	67.0	0.20	
Waxahachie	.....	.....	.....	T.	
Weatherford	91	35	64.7	1.59	
Wharton	92	48	70.8	1.60	
Wichita Falls	.....	.....	.....	0.35	
Utah.					
Aneth	84	27	53.1	0.59	
Blackrock	82	19	46.2	2.59	8.5
Callao [c]	85	8	48.8	T.	
Castledale	83	5	43.6	0.10	
Corinne	84	23	47.4	1.11	
Coyoto [k]	77	17	43.4	0.01	
Deseret	82	16	46.5	0.90	1.0
Emery	76	14	40.8	T.	
Escalante	79	20	47.4	0.56	
Farmington	76	21	47.4	1.81	2.9
Fillmore	85	19	47.9	2.66	
Fort Duchesne	79	13	44.3	0.00	
Frisco	79	15	44.5	1.49	.....
Garrison	81	15	46.9	0.38	0.5
Giles	84	14	49.6	0.72	
Government Creek	76	16	44.8	1.07	2.0
Green River	91	19	54.2	0.50	
Grover	95	14	43.2	0.30	0.3
Heber	75	16	42.7	0.78	
Henefer	78	13	42.0	1.11	3.0
Hite	91	34	57.6	0.26	
Huntsville	.....	.....	.....	1.33	T.
Ibapah	77	7	43.5	.....	
Kanab	87	30	52.0	2.79	
Kelton	76	19	44.6	0.78	
La Sal	72	15	43.2	0.61	
Levan	78	18	44.8	2.03	2.1
Loa	73	4	36.0	0.00	
Logan	76	17	45.8	2.01	
Lund	80	21	46.1	0.94	1.5
Manti	78	18	44.4	1.22	.....
Marysvale	76	16	43.6	0.70	5.2
Meadowville	68	18	38.9	0.80	1.0

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Utah—Cont'd.	°	°	°	*Ins.*	*Ins.*
Millville				1.78	
Moab	89	25	54.4	0.69	T.
Monticello	72	17	42.6	0.77	1.0
Morgan	78	14	43.0	0.81	
Mount Nebo	82	22	49.0	0.44	
Mount Pleasant	79	18	45.4	1.41	
Ogden *a*	82	22	48.5	1.48	
Park City	80	8	40.4	0.95	9.5
Parowan	78	17	44.6	1.06	8.7
Pinto	74	19	42.2	1.30	
Plateau	73	10	40.6	1.31	14.1
Provo	84	19	48.2	0.51	0.7
Ranch	73	16	41.2	2.28	
St. George	94	24	56.4	0.60	
Scipio	83	17	45.8	1.83	8.0
Snowville	77	4	42.5	1.66	
Soldier Summit	72	25	47.8		
Terrace	78	19	46.8	0.45	0.5
Thistle	80	30	50.0	1.75	2.0
Tooele	79	18	46.8	1.73	
Tropic	79	20	44.4	0.74	
Vernal	81	16	47.8	0.67	2.0
Wellington [g]	80	10	46.2		
Woodruff	75	11	38.2	0.72	5.0
Vermont.					
Bellows Falls				1.22	T.
Burlington	82	18	46.0	1.63	T.
Cavendish	86	14	43.2	1.04	3.1
Chelsea	78	9	39.6	0.80	4.0
Cornwall	84	11	45.0	1.08	
Enosburg Falls	83	5	40.5	2.95	3.0
Hartland	87	15	43.4	0.99	
Jacksonville	80	13	41.5	3.01	3.0
Manchester	80	15	43.7	1.50	1.0
Morrisville	85	10	41.6	1.44	3.6
Norwich	86	14	42.2	1.13	2.5
St. Johnsbury	86	10	42.0	1.23	2.0
Wells	78	12	41.8	0.91	1.0
Woodstock	79	6	43.2	1.03	
Wells River				2.43	
White River Junction				1.09	0.5
Virginia.					
Alexandria	90	27	54.8	3.32	
Ashland	88	27	55.8	5.57	
Barboursville	89	25	55.6	3.90	
Bedford	89	25	57.4	2.92	
Bigstone Gap	83	26	54.3	7.43	T.
Blacksburg	81	19	50.5	4.02	T.
Bluemont	88	22	54.4	3.05	
Bonair	88	28	56.4	6.12	
Boykins				6.30	
Burkes Garden	75	18	47.2	5.97	T.
Callaville	88	27	56.7	4.24	
Charlottesville	91	25	56.0	3.81	
Clarksville				6.43	
Columbia	89	20	52.9	4.60	
Dale Enterprise	86	16	51.5	3.13	T.
Danville				4.55	
Farmville	88	27	55.4	4.12	
Fredericksburg	91	25	54.7	4.37	
Grahams Forge [n]	82	29	50.3	2.31	T.
Hampton	84	30	55.8	4.14	
Hot Springs	80	12	48.7	3.67	
La Crosse	86	28	57.6	7.11	
Lexington	85	24	53.2	3.34	
Lincoln	92	23	52.4	3.38	
Manassas	87	25	53.1	4.12	
Marion	80[e]	20[d]	51.0[d]	5.15	
Mendota				6.18	T.
Newport News	86	40	57.6	3.25	
Petersburg	89	37	57.2	4.63	
Quantico	89	27	54.6		
Radford				2.36	
Riverton				3.63	
Roanoke	80	25	52.0	3.86	
Rockymount	80	27	52.6	3.53	
Saxe	87	25	54.4	4.72	
Shenandoah				3.58	
Speers Ferry				5.72	T.
Spottsville	88	28	56.8	5.32	
Stanardsville	88	30	52.2	2.87	
Staunton	86	22	54.5	3.87	
Stephens City	90	22	53.3	3.97	
Warsaw	89	26	55.8	3.25	
Westpoint	83	22	53.6	4.85	
Wilkerson	89	28	55.4	4.26	
Williamsburg	84	28	56.2	3.84	
Woodstock	89	23	51.9	3.80	
Wytheville	82	21	51.8	3.78	T.
Washington.					
Aberdeen	61	29	45.0	5.92	T.
Anacortes				2.36	
Ashford				3.41	3.0
Blaine	64	27	45.9	1.49	
Bremerton	67	29	45.6	1.98	
Brinnon	66	29	46.8	2.77	T.
Cedonia	70	19	41.2	0.94	2.5
Centralia	74	25	47.0	2.68	
Washington—Cont'd.					
Cheney				0.72	2.2
Clearbrook	67	25	47.6	1.91	
Clearwater	67	30	45.8	9.30	
Cle Elum	66	21	41.2	1.10	T.
Colfax	80	21	44.9	0.36	
Colville	74	21	44.2	0.43	0.3
Conconully	71	22	43.4	0.47	1.2
Coupeville	65	32	47.2	2.25	0.5
Crescent	78	22	43.0	0.09	0.3
Dayton	74	28	47.3	0.81	T.
East Sound	64	25	44.8	1.49	
Ellensburg	70	21	44.6	0.51	
Ephrata	74[c]	26[c]	51.4[c]	0.82	
Grandmound	68	25	46.2	3.77	T.
Granite Falls				8.05	
Hooper	75[c]	22[c]	47.8[c]	0.06	T.
Ilwaco	69	31	46.5	8.47	T.
Lacenter	72	29	46.8	3.77	T.
Lakeside	68	30	48.5	0.61	
Lind	78	22	49.0	0.37	T.
Loomis	72	28	48.9	0.20	T.
Maple Valley				5.14	1.5
Mottinger Ranch	79	28	53.3	0.02	
Mount Pleasant	71	31	47.4	3.82	T.
Moxee	81	19	46.8	0.42	T.
Northbend	70	30	42.3	8.14	26.0
Northport	72	20[i]	44.2[d]	1.41	0.8
Odessa	78[c]	18	44.8	0.20	
Olga	62	32	47.1	1.36	
Olympia	72	27	47.5	3.92	
Pateros				0.21	
Pinehill	73	27	48.5	0.35	T.
Pomeroy	83	22	47.8	0.80	0.5
Port Townsend	62	33	47.2	1.51	
Pullman	78	24	44.6	1.09	3.5
Ritzville				T.	
Ritzville (near)				0.23	0.5
Rosalia	77	25	43.2	0.44	0.9
Sedro-Woolley	67	28	47.6	6.35	T.
Silvana[c]	66	29	47.5	2.14	
Snohomish	69	29	45.9	2.62	T.
Snoqualmie	64	31	46.0	3.05	
Southbend	69	30	45.9	7.67	0.5
South Ellensburg	72	20	43.8	0.26	T.
Sprague				0.75	
Sunnyside	76	22	48.5	0.35	
Trinidad	78	28	49.8	0.40	
Twisp	69	21	44.4	0.38	2.0
Union	66[f]	29[c]	46.4[c]	4.59	T.
Usk	73	22	42.4	1.01	2.5
Vancouver	74	30	49.0	2.40	
Vashon	64	32	46.8	2.43	
Waterville	70	24	42.7	0.73	0.5
Wenatchee (near)	70	24	45.2	0.41	
Whatcom	68	30	47.4	1.85	
Wilbur	73	16	41.8	0.46	0.2
Zindel	83	30	52.6	1.38	T.
West Virginia.					
Addison	85	19	52.8	3.75	0.5
Bayard	83	15	46.4	3.47	T.
Beverly	80	14	47.5	3.45	1.0
Bluefield	78	19	57.3	3.75	
Buckhannon	84	18	49.9	4.15	T.
Burlington	87	19	50.3	3.50	T.
Byrne	87	20	52.7	5.50	1.0
Cairo	86	22	53.6	6.19	T.
Camden	82	20	51.5	4.38	T.
Central	85	17	50.0	4.84	T.
Chapel	82	20	50.5	5.81	0.5
Charleston *a*	90	23	58.6		
Charleston *b*				5.95	T.
Creston	84	20	53.1	5.28	
Cuba	84	20	52.8	5.04	T.
Dayton	85	15	50.4	4.00	T.
Echo	87	22	55.4	5.47	T.
Elkhorn	83	22	52.7	5.50	0.6
Fairmont				3.46	
Glenville	85	20	51.8	4.66	T.
Grafton	84	18	51.6	3.70	T.
Green Sulphur	80	18	48.8	3.43	
Harpers Ferry				4.95	
Hinton	82[i]	23[i]	51.4[i]	3.54	T.
Huntington	85	23	53.5	3.58	
Josiah	83	22	52.4	6.34	T.
Leonard	78	16	49.0	6.36	2.5
Lewisburg	80	18	48.8	3.97	T.
Lillydale	83	19	51.9	4.12	0.3
Logan	89	25	57.7	7.30	0.0
Magnolia	91	19	50.4	3.62	
Mannington	84	19	52.4	3.61	T.
Marlinton	79	18	47.2	4.04	T.
Martinsburg	86	22	49.3	4.55	
Morgantown	83	18	52.2	3.55	T.
Moscow	80	18	49.6	2.70	T.
Moundsville	82	21	52.8	3.76	T.
New Martinsville	88	22	52.4	3.95	T.
Nuttallburg	83	17	52.7	5.95	
Oldfields	89	18	51.6	3.02	
West Virginia—Cont'd.					
Philippi	85	17	51.7	4.24	T.
Pickens	84	12	49.4	6.19	4.0
Point Pleasant	85	23	56.6	4.78	T.
Powellton	86[e]	24[e]	53.3[e]	5.24	T.
Princeton	78	26	51.4	7.45	1.5
Romney	87	22	52.1	3.74	
Rowlesburg				4.24	
Ryan	85	20	52.8	5.85	
Summersville	83[e]	15[e]	51.0[e]	4.62	T.
Southside	84	26	55.3	5.21	
Terra Alta	80	12	46.8	2.50	T.
Travellers Repose	79	8	45.9	3.36	2.0
Uppertract	86	17	51.4	2.29	T.
Valley Fork	85	21	54.1	6.09	T.
Wellsburg	78	20	49.6	3.60	0.5
Weston				4.20	
Wheeling *a*				2.04	T.
Wheeling *b*	83	23	55.8	3.71	
Williamson	87	25	54.0	7.13	0.0
Wisconsin.					
Amherst	73	21	44.5	3.40	1.0
Antigo	70[g]	22[e]	43.5[g]	0.75[g]	5.5
Appleton	66	21	44.6	2.31	0.2
Ashland				2.03	1.5
Barron	74	18	44.2	2.44	1.4
Beloit	80	27	49.4	3.05	T.
Brodhead	79	28	49.6	2.70	T.
Butternut	71	14	40.0	3.61	3.0
Chilton	70	21	44.0	3.37	0.7
Chippewa Falls				2.34	
Darlington	75	22	47.2	4.24	
Delavan	79	24	47.6	2.77	
Downing	72	18	43.2	3.55	2.2
Easton	73	19	46.2	2.98	4.0
Eau Claire	75	22	47.3	3.72	0.8
Florence	70	13	38.1	3.28	6.0
Fond du Lac	76	23	47.6	3.02	
Grand Rapids	71	22	46.0	2.27	
Grand River Locks				4.16	
Grantsburg	69	13	42.0	4.55	4.0
Hancock	72	19	45.4	3.04	
Harvey	78	24	46.6	2.16	1.0
Hayward	73	8	42.0	1.49	4.0
Hillsboro	70	24	46.4	4.30	1.5
Koepenick	73	10	42.1	4.20	15.0
Lancaster	73	23	47.2	4.43	1.0
Madison	74	28	46.6	2.88	1.0
Manitowoc	70	23	42.8	4.01	3.0
Meadow Valley	74	22	46.5	3.27	2.0
Medford	73	18	43.7	3.95	2.0
Menasha				2.55	
Neillsville	72	22	46.9	3.41	2.0
New London	71	20	44.3	2.82	T.
Oconto	72	19	44.0	2.91	1.0
Osceola	69	14	42.4	2.92	2.5
Oshkosh	69	21	46.6	2.32	
Pine River [g]	70	19	45.4	2.22	1.0
Portage	77	25	48.7	4.08	2.0
Port Washington	70	22	42.8	3.68	0.5
Prairie du Chien *a*	75	25	49.2	3.36	
Prairie du Chien *b*				3.50	T.
Racine	75	26[e]	48.2[e]	2.76	
Sheboygan	71	23	43.9	3.90	T.
Spooner	74	14	42.0	3.17	
Stevens Point	71	18	45.8	2.94	
Tomahawk	70	10	41.6	1.87	1.0
Valley Junction	74	22	47.2	2.47	2.0
Viroqua	71	23	45.5	4.68	2.5
Waukesha	77	24	46.4	2.51	0.1
Waupaca	72	17	45.4	2.83	1.0
Wausau	68[e]	17	43.7	3.89	
Whitehall	79	22	46.8	4.13	
Wyoming.					
Afton	70	1	36.4	2.28	13.3
Alcova	80[i]	11	45.6[i]	1.22	T.
Basin	83	14	45.6	0.86	3.1
Bedford	67	2	34.6	2.55	
Border	73	1	36.0	1.81	
Buffalo	75	15	42.2	1.37	3.8
Centennial	47	10	33.6	0.72	
Chugwater	77	5	43.2	1.86	7.2
Daniel	65	1	31.7	1.53	
Embar	77	0	40.4	0.53	5.3
Evanston	69	8	36.8	1.22	3.0
Fontenelle	71	7	37.2	0.33	3.3
Fort Laramie	78	17	45.8	1.53	22.3
Fort Washakie	73	11	42.0	1.90	10.0
Fort Yellowstone	68	8	36.8	0.80	8.0
Fourbear	67	6	35.7	0.62	5.5
Griggs	75	4	42.1	1.97	12.1
Hyattville	80	15	45.5	1.06	T.
Irma	74	14	42.0	0.90	3.2
Iron Mountain	69	10	41.2	0.51	T.
Kimball Ranch	76	18	41.3	1.48	4.5
Laramie	66	1	37.5	0.73	8.0
Leo	67	4	38.0	1.46	9.5
Lolabama Ranch	66	2	33.2	1.24	15.5
Lusk	80	12	41.4	1.66	7.2

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.
Wyoming—Cont'd.	°	°	°	*Ins.*	*Ins.*
Moorcroft	80	15	44.6	2.84	12.0
Moore	72	13	42.3	0.79	
Parkman	76	12	43.2	1.06	.....
Pinebluff	78	10	44.3	0.47	2.0
Rawlins	69	10	40.0	1.96	
Red Bank	70	10	41.4	4.02	.....
Rocksprings	71	11	43.8	0.70	6.8
Saratoga	70	13	39.7	0.65	2.0
South Pass City	69	3	33.8	2.20	22.0
Tensleep	76	11	45.2	1.20	1.0
Thayne	70	4	36.0	1.49	2.6
Thermopolis	63	16	33.0	.....	
Porto Rico.					
Adjuntas	89	52	72.4	3.84	
Aguadilla	95	65	79.2	5.21	
Aguirre	90	63	77.4	0.83	
Arecibo	93	.....	.....	3.07	
Barros	85	51	71.8	9.53	
Bayamon	90	60	75.0	3.64	
Caguas	99	53	78.2	5.03	
Canovanas	95	69	80.0	3.70	
Cayey	87	55	72.7	2.90	
Cidra	89	53	71.8	6.65	
Corozal	91	58	75.0	7.46	
Fajardo	90	66	78.6	2.98	
Guanica	91	58	77.0	4.43	
Hacienda Coloso	92	58	75.4	5.35	
Hacienda Josefa	.....	.....	.....	0.55	
Hacienda Perla	94	65	79.4	7.51	
Humacao	90	74	82.8	2.33	
Isabela	88	64	75.3	8.01	
Juan Diaz	91	62	78.0	1.40	
La Carmelita	85	61	73.1	7.26	
La Isolina	91	59	74.8	13.73	
Las Marias	91	63	76.6	7.89	
Manati	96	62	77.2	9.84	
Maunabo	90	65	78.4	1.05	
Mayaguez	93	60	77.2	1.74	
Morovis	91	60	75.4	12.55	
Rio Piedras	.....	.....	.....	6.77	
San German	93	66	80.2	4.09	
San Lorenzo	92	57	75.6	3.32	
San Salvador	88	60	73.4	5.77	
Santa Isabel	92	62	78.2	2.15	
Utuado	93	56	74.4	6.35	
Vieques	89	68	78.8	2.20	
Yauco	88	61	77.8	3.67	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Mexico.	°	°	°	*Ins.*	*Ins.*
Ciudad P. Diaz	89	43	66.2	0.24	
Coatzacoalcos	.....	.....	.....	0.76	
Leon de Aldamas	90	52	70.4	0.34	
Vera Cruz	86	64	75.3	1.40	
New Brunswick.					
St. John	71	18	39.6	6.02	3.1
Isthmus of Panama.					
Alhajuela	98	66	82.9	0.47	
Bohio	.....	.....	.....	3.55	
Colon	.....	.....	.....	1.65	
Gamboa	.....	.....	.....	0.43	
La Boca	90	72	81.5	1.26	
Late reports for March, 1903.					
Alaska.					
Copper Center	40	—25	11.8	0.40	4.0
Fort Egbert	38	—33	8.8	0.54	8.7
Fort Liscum	39	2	21.8	4.72	10.5
Kenai	44	—13	19.0	0.44	8.0
Killisnoo	46	10	29.4	0.20	2.0
Sitka	50	11	34.0	2.57	0.8
Skagway	48	5	29.0	0.43	T.
Tyoonok	49	0	24.2	0.45	5.0
Wood Island	60	19	37.6	0.39	2.5
California.					
Meadow Valley *[1]	68	17	37.0	20.85	.....
Iowa.					
Monticello	75	15	41.3	2.25	5.0
Newton	70	12	39.4	1.41	8.0
Villisca	75	12	40.2	1.65	6.5
Montana.					
Anaconda	60	— 3	31.4	0.95	9.0
Crow Agency	69	— 1	32.0	0.80	8.0
Nebraska.					
Hartington	67	7	31.5	1.03	T.
Schuyler	.....	.....	.....	0.75	7.0
Nevada.					
Beowawe *[1]	66	18	40.7	2.36	11.5
New York.					
Honeymead Brook	71	18	43.8	3.83	
Ohio.					
Richwood	.....	.....	.....	2.62	0.2
Vermont.					
Hartland	76	10	39.7	4.78	.....

EXPLANATION OF SIGNS.

*Extremes of temperature from observed readings of dry thermometer.

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

[1] Mean of 7 a. m. + 2 p. m. + 9 p. m. + 9 p. m. ÷ 4.
[2] Mean of 8 a. m. + 8 p. m. ÷ 2.
[3] Mean of 7 a. m. + 7 p. m. ÷ 2.
[4] Mean of 6 a. m. + 6 p. m. ÷ 2.
[5] Mean of 7 a. m. + 2 p. m. ÷ 2.

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

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

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

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

Stations.	Component direction from— N.	S.	E.	W.	Resultant. Direction from—	Duration.
	Hours.	Hours.	Hours.	Hours.	°	Hours.
New England.						
Eastport, Me	23	17	16	19	n. 27 w.	7
Portland, Me	23	16	11	24	n. 62 w.	15
Concord, N. H	18	2	9	8	n. 3 e.	16
Northfield, Vt	30	22	11	7	n. 27 e.	9
Boston, Mass	22	13	17	22	n. 29 w.	10
Nantucket, Mass	25	18	13	17	n. 30 w.	8
Block Island, R. I	22	18	15	20	n. 51 w.	6
Narragansett, R. I.*	11	8	7	11	n. 53 w.	5
New Haven, Conn	31	11	14	15	n. 3 w.	20
Middle Atlantic States.						
Albany, N. Y	27	12	10	24	n. 43 w.	20
Binghamton, N. Y.†	18	3	8	7	n. 4 e.	15
New York, N. Y	26	13	14	19	n. 21 w.	14
Harrisburg, Pa	22	12	21	17	n. 22 e.	11
Philadelphia, Pa	27	8	17	17	n.	19
Scranton, Pa	33	13	19	10	n. 24 e.	22
Atlantic City, N. J	21	17	13	23	n. 68 w.	11
Cape May, N. J	20	21	14	14	s.	1
Baltimore, Md	26	11	14	21	n. 25 w.	17
Washington, D. C	30	15	12	18	n. 22 w.	16
Cape Henry, Va.†	10	9	3	15	n. 85 w.	12
Lynchburg, Va	26	16	9	27	n. 61 w.	21
Norfolk, Va	21	22	10	16	s. 80 w.	6
Richmond, Va	24	20	11	18	n. 60 w.	8
Wytheville, Va	14	15	5	36	s. 88 w.	31
South Atlantic States.						
Asheville, N. C	29	17	11	14	n. 14 w.	12
Charlotte, N. C	20	29	9	13	s. 24 w.	10
Hatteras, N. C	22	17	6	29	n. 78 w.	24
Kittyhawk, N. C.*	9	13	8	9	s. 14 w.	4
Raleigh, N. C	22	21	8	22	n. 86 w.	14
Wilmington, N. C	15	21	9	30	s. 74 w.	22
Charleston, S. C	18	24	7	24	s. 71 w.	18
Columbia, S. C	17	23	13	23	s. 59 w.	12
Augusta, Ga	16	21	13	23	s. 63 w.	11
Savannah, Ga	19	23	5	27	s. 80 w.	22
Jacksonville, Fla	18	20	16	23	s. 74 w.	7
Florida Peninsula.						
Jupiter, Fla	17	16	20	20	n.	1
Key West, Fla	22	7	33	12	n. 55 e.	26
Tampa, Fla	22	10	16	27	n. 43 w.	16
Eastern Gulf States.						
Atlanta, Ga	20	25	6	25	s. 75 w.	20
Macon, Ga.†	12	11	3	12	n. 84 w.	9
Pensacola, Fla.†	12	8	9	10	n. 14 w.	4
Mobile, Ala	21	24	8	18	s. 73 w.	10
Montgomery, Ala	18	22	13	20	s. 60 w.	8
Meridian, Miss.†	10	12	2	8	s. 72 w.	6
Vicksburg, Miss	19	23	17	13	s. 45 e.	6
New Orleans, La	20	26	10	16	s. 45 w.	8
Western Gulf States.						
Shreveport, La	15	28	15	16	s. 4 w.	13
Fort Smith, Ark	15	18	25	15	s. 73 e.	10
Little Rock, Ark	18	24	13	18	s. 40 w.	8
Corpus Christi, Tex	13	28	31	5	s. 60 e.	30
Fort Worth, Tex	19	27	15	14	s. 7 e.	8
Galveston, Tex	12	31	20	13	s. 20 e.	20
Palestine, Tex	17	31	9	11	s. 8 w.	14
San Antonio, Tex	19	27	30	3	s. 73 e.	28
Taylor, Tex †	10	15	4	8	s. 39 w.	6
Ohio Valley and Tennessee.						
Chattanooga, Tenn	16	22	9	24	s. 68 w.	16
Knoxville, Tenn	21	20	4	27	n. 88 w.	23
Memphis, Tenn	19	22	15	18	s. 45 w.	4
Nashville, Tenn	21	23	10	21	s. 80 w.	11
Lexington, Ky. †	7	15	6	9	s. 21 w.	8
Louisville, Ky	16	22	13	17	s. 34 w.	7
Evansville, Ind.†	9	13	6	7	s. 14 w.	4
Indianapolis, Ind	21	26	7	11	s. 39 w.	6
Cincinnati, Ohio	19	20	17	17	s.	1
Columbus, Ohio	22	23	11	14	s. 72 w.	3
Pittsburg, Pa	25	18	20	14	n. 41 e.	9
Parkersburg, W. Va	22	18	15	14	n. 14 e.	4
Elkins, W. Va	25	16	5	25	n. 66 w.	22
Lower Lake Region.						
Buffalo, N. Y	17	19	18	18	s.	2
Oswego, N. Y	18	18	13	24	w.	11
Rochester, N. Y	19	14	17	25	n. 58 w.	9
Syracuse, N. Y	21	13	8	28	n. 68 w.	22
Erie, Pa	18	15	17	24	n. 67 w.	8
Cleveland, Ohio	23	18	18	14	n. 39 e.	6
Sandusky, Ohio †	11	7	10	9	n. 14 e.	4
Toledo, Ohio	21	16	20	16	n. 39 e.	6
Detroit, Mich	23	13	19	18	n. 6 e.	10
Upper Lake Region.						
Alpena, Mich	23	15	26	11	n. 62 e.	17
Escanaba, Mich	32	16	10	13	n. 11 w.	16
Grand Haven, Mich	23	17	18	15	n. 27 e.	7
Houghton, Mich.†	8	3	16	5	n. 66 e.	12
Marquette, Mich	29	12	14	19	n. 16 w.	18
Port Huron, Mich	24	15	21	15	n. 34 e.	11
Sault Ste. Marie, Mich	19	10	24	21	n. 18 e.	10
Chicago, Ill	22	21	23	10	n. 86 e.	13
Milwaukee, Wis	27	15	15	11	n. 18 e.	13
Green Bay, Wis	24	19	21	10	n. 66 e.	12
Duluth, Minn	31	4	24	15	n. 18 e.	28
North Dakota.						
Moorhead, Minn	27	17	18	14	n. 22 e.	11
Bismarck, N. Dak	29	13	18	10	n. 27 e.	18
Williston, N. Dak	17	20	20	19	s. 18 e.	3
Upper Mississippi Valley.						
Minneapolis, Minn.*	16	6	10	6	n. 22 e.	11
St. Paul, Minn	27	14	19	15	n. 17 e.	14
La Crosse, Wis. †	13	12	4	3	n. 45 e.	1
Davenport, Iowa	18	18	13	19	w.	6
Des Moines, Iowa	25	20	11	14	n. 31 w.	6
Dubuque, Iowa	25	21	15	12	n. 37 e.	5
Keokuk, Iowa	23	21	13	17	n. 63 w.	4
Cairo, Ill	17	26	10	20	s. 48 w.	14
Springfield, Ill	20	24	13	18	s. 51 w.	6
Hannibal, Mo. †	9	13	4	9	s. 51 w.	6
St. Louis, Mo	19	27	7	14	s. 41 w.	11
Missouri Valley.						
Columbia, Mo. *	12	12	4	6	w.	2
Kansas City, Mo	21	25	10	18	s. 63 w.	9
Springfield, Mo	21	25	11	17	s. 56 w.	7
Topeka, Kans.*	11	11	6	7	w.	1
Lincoln, Nebr	27	22	10	10	n.	5
Omaha, Nebr	28	19	9	11	n. 13 w.	9
Valentine, Nebr	29	17	12	13	n. 5 w.	12
Sioux City, Iowa †	15	9	9	5	n. 34 e.	7
Pierre, S. Dak	22	18	22	12	n. 68 e.	11
Huron, S. Dak	27	17	19	12	n. 35 e.	12
Yankton, S. Dak. †	13	5	8	12	n. 27 w.	9
Northern Slope.						
Havre, Mont	16	10	18	29	n. 61 w.	12
Miles City, Mont	20	16	13	23	n. 68 w.	11
Helena, Mont	8	20	4	42	s. 72 w.	40
Kalispell, Mont	3	22	8	38	s. 58 w.	36
Rapid City, S. Dak	25	12	14	21	n. 28 w.	15
Cheyenne, Wyo	23	13	8	25	n. 60 w.	20
Lander, Wyo	14	23	11	25	s. 57 w.	17
North Platte, Nebr	18	14	13	25	n. 72 w.	13
Middle Slope.						
Denver, Colo	24	19	13	18	n. 45 w.	7
Pueblo, Colo	24	13	18	18	n.	11
Concordia, Kans	26	21	8	14	n. 50 w.	8
Dodge, Kans	22	19	13	17	n. 53 w.	5
Wichita, Kans	25	26	12	11	s. 45 e.	1
Oklahoma, Okla	22	27	7	13	s. 50 w.	8
Southern Slope.						
Abilene, Tex	13	31	17	13	s. 13 e.	18
Amarillo, Tex	16	30	10	18	s. 30 w.	16
Southern Plateau.						
El Paso, Tex	15	10	18	29	n. 66 w.	12
Santa Fe, N. Mex	12	26	19	22	s. 12 w.	14
Flagstaff, Ariz	8	27	8	34	s. 54 w.	32
Phoenix, Ariz	15	11	21	22	n. 14 w.	4
Yuma, Ariz	17	16	9	29	n. 87 w.	20
Independence, Cal	18	20	12	24	s. 81 w.	12
Middle Plateau.						
Carson City, Nev	10	18	6	36	s. 75 w.	31
Winnemucca, Nev	22	16	12	27	n. 68 w.	16
Modena, Utah	7	20	11	32	s. 59 w.	25
Salt Lake City, Utah	23	21	18	15	n. 56 e.	4
Grand Junction, Colo	18	17	23	16	n. 82 e.	7
Northern Plateau.						
Baker City, Oreg	20	24	20	16	s. 45 e.	6
Boise, Idaho	17	16	17	24	n. 82 w.	7
Lewiston, Idaho †	3	11	17	5	s. 56 e.	14
Pocatello, Idaho	3	25	18	23	s. 13 w.	23
Spokane, Wash	11	25	14	22	s. 30 w.	16
Walla Walla, Wash	8	35	11	14	s. 6 w.	27
North Pacific Coast Region.						
North Head, Wash	16	21	12	26	s. 70 w.	15
Port Crescent, Wash.*	7	2	7	19	n. 67 w.	13
Seattle, Wash	16	22	22	17	s. 40 e.	8
Tacoma, Wash	15	24	5	27	s. 68 w.	24
Tatoosh Island, Wash	9	19	14	28	s. 54 w.	17
Portland, Oreg	14	21	11	30	s. 70 w.	20
Roseburg, Oreg	26	9	19	23	n. 13 w.	18
Middle Pacific Coast Region.						
Eureka, Cal	35	12	13	12	n. 2 e.	23
Mount Tamalpais, Cal	33	7	2	35	n. 51 w.	42
Red Bluff, Cal	25	17	17	15	n. 14 e.	8
Sacramento, Cal	15	29	20	11	s. 33 e.	17
San Francisco, Cal	12	9	5	42	n. 85 w.	37
Point Reyes Light, Cal.*	18	4	1	19	n. 52 w.	23
South Pacific Coast Region.						
Fresno, Cal	38	4	4	38	n. 45 w.	48
Los Angeles, Cal	12	17	17	25	s. 58 w.	9
San Diego, Cal	21	15	10	32	n. 75 w.	23
San Luis Obispo, Cal	16	11	1	34	n. 81 w.	33
West Indies.						
Basseterre, St. Kitts, W. I	.....	.....	.....	.....	.....	.....
Bridgetown, Barbados	4	12	53	0	s. 82 e.	54
Grand Turk, W. I. †	10	6	16	3	n. 73 e.	14
Hamilton, Bermuda	15	20	10	25	s. 72 w.	16
Havana, Cuba †	7	4	17	5	n. 76 e.	12
Puerto Principe, Cuba	.....	.....	.....	.....	.....	.....
San Juan, Porto Rico	14	22	32	4	s. 74 e.	29

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

TABLE IV.—*Thunderstorms and auroras, April, 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				2	7			1	7	7						4	5				1	5							41	10	T.
		A.																																0	0	A.
Arizona	56	T.								2	1								5															8	3	T.
		A.																																0	0	A.
Arkansas	57	T.					1	3	14	5	4	4	3	9	7					9	4					7	3			5	8			86	15	T.
		A.																																0	0	A.
California	167	T.	5	1							1				1			7	5											1		1		22	8	T.
		A.																																0	0	A.
Colorado	81	T.	1	2				2		1	6		1	3			4	2	2	2	3		3		1	3	6	9	2	5	1			59	20	T.
		A.																																0	0	A.
Connecticut	21	T.																																0	0	T.
		A.																																0	0	A.
Delaware	5	T.								1	1					4																		6	3	T.
		A.																																0	0	A.
Dist. of Columbia	4	T.								1	1			1																				3	3	T.
		A.																																0	0	A.
Florida	47	T.								5	3			8	16	6				1	5	3					3	5						55	10	T.
		A.																																0	0	A.
Georgia	55	T.			1					18				3	3						1	1					3							30	7	T.
		A.																																0	0	A.
Idaho	34	T.								1	2								2			1						1	1	1				9	7	T.
		A.																																0	0	A.
Illinois	92	T.	10	10	11	1		2	4	5	2	20	21	32	4	1				1	13	2	1		2	5					1			148	20	T.
		A.																		1						1								2	2	A.
Indiana	58	T.	2	9	14	2		3	2	4			17	26	7						7	5	1			10	1					1		111	16	T.
		A.																																0	0	A.
Indian Territory	11	T.									1			1												2					2			6	4	T.
		A.																																0	0	A.
Iowa	149	T.	21	3					1			20	22	21					1	16	3	1		1	2	1			4	33	14			164	16	T.
		A.																																0	0	A.
Kansas	77	T.		3	1				1	1	5	2		2	1			1	2	5	2		1		5	2			1	6	5	1		47	19	T.
		A.																																0	0	A.
Kentucky	41	T.			5			1	6	9	1		7	11	9				1		12	6	3			2								73	13	T.
		A.																																0	0	A.
Louisiana	46	T.							1	2		1	2	1						3	1						1	1			7	2		22	11	T.
		A.																																0	0	A.
Maine	19	T.					1	1														1						2						5	4	T.
		A.					1																											1	1	A.
Maryland	48	T.	1	2	1				6	12			2	13	2	19	1				2	3		1										65	13	T.
		A.																																0	0	A.
Massachusetts	48	T.		1	2												1																	4	3	T.
		A.					1																											1	1	A.
Michigan	106	T.	10	38	2			2				4	19	15	8	2					2					5								107	11	T.
		A.																										1						1	1	A.
Minnesota	67	T.	6	1								9	8	3					1	2	1				8	1			2	9	7			58	13	T.
		A.																																0	0	A.
Mississippi	44	T.							8	3		1	3	4	6			1			1						1							28	9	T.
		A.																																0	0	A.
Missouri	95	T.		14	17				14	4	11	49	19	22	10	2	1		1	21	53	7			9	16	6	1	3	5	12	4		301	23	T.
		A.		1																											1			2	2	A.
Montana	40	T.	1								2	2					1	1		1				1				1				2		12	9	T.
		A.						2																										2	1	A.
Nebraska	142	T.	2		1		1				6	12						2	8	23	7	1			2			1	20	34	8	2		130	16	T.
		A.																																0	0	A.
Nevada	40	T.	1								1																							2	2	T.
		A.																																0	0	A.
New Hampshire	19	T.																																0	0	T.
		A.																																0	0	A.
New Jersey	51	T.				1			4	11	5					7	2																	30	6	T.
		A.																																0	0	A.
New Mexico	31	T.	1								1			1									2		1	2		5	2					15	8	T.
		A.																																0	0	A.
New York	99	T.		13	27	2			14	1	2																					1		59	6	T.
		A.																										1		1				2	2	A.
North Carolina	56	T.			2	2			2	4				15	14	21					3	15	2	13	1	1	4	7				1		107	16	T.
		A.																																0	0	A.
North Dakota	48	T.									1	9	1	1				1	1	1					2									17	8	T.
		A.																																0	0	A.
Ohio	128	T.	1	8	29					4			32	53	3						4					3	3					1		141	11	T.
		A.																																0	0	A.
Oklahoma	23	T.	2	6					2		16	2		2						2					2	11	2		2	8	22			79	13	T.
		A.										1																						1	1	A.
Oregon	74	T.														1			6								2							9	3	T.
		A.																																0	0	A.
Pennsylvania	91	T.		9	10	2			19	3	10			7	1																			61	8	T.
		A.																																0	0	A.
Rhode Island	7	T.										1																						1	1	T.
		A.																																0	0	A.
South Carolina	46	T.			3				1	9			1	10	14	2					4	11	2				8	6						71	12	T.
		A.																																0	0	A.
South Dakota	56	T.	2	2							2	3	2						2	5	4				2				2	5	2			33	12	T.
		A.																1																1	1	A.
Tennessee	56	T.			8				18	23				18	27	2				1	22	9	11			3	4	1						147	13	T.
		A.																																0	0	A.
Texas	95	T.						1	1	4	4	7	3	3	1			1					1			1	10	1	1	1	25			65	16	T.
		A.																																0	0	A.
Utah	47	T.	5								6	2							2								2	3	1	3				24	8	T.
		A.	1																															1	1	A.
Vermont	16	T.																																0	0	T.
		A.																																0	0	A.
Virginia	50	T.			3				1	4				16	7	7						8					2	2						50	9	T.
		A.																																0	0	A.
Washington	64	T.														4		1						1								1		7	4	T.
		A.																																0	0	A.
West Virginia	43	T.		1	4				7				4	18	4			1			5	1					2	2				1		50	12	T.
		A.																																0	0	A.
Wisconsin	60	T.	22	20				1					7	9	1						2	2	1		1	6				10	3			85	13	T.
		A.																																0	0	A.
Wyoming	31	T.	1										1				5		4		1		3					6	3					24	8	T.
		A.																																0	0	A.
Sums	2893	T.	94	143	143	10	3	16	128	144	95	148	176	335	154	77	15	24	37	93	166	82	31	17	38	82	68	54	44	126	117	17	0	2677		T.
		A.	1	1	0	0	2	2	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	2	0	1	1	0	0	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 April, 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	15			0.12														0.07			
Alpena, Mich	13-15			0.81														*			
Asheville, N. C	8			1.14														0.49			
Atlanta, Ga	8	D. N.	8:25 a. m.	1.57	6:45 a. m.	7:00 a. m.	0.90	0.19	0.42	0.56	0.57										
Atlantic City, N. J	13-14			0.63														0.14			
Augusta, Ga	13	11:35 a. m.	12:30 p. m.	1.06	11:55 a. m.	12:20 p. m.	0.17	0.16	0.32	0.52	0.82	0.87	0.89								
Do	25-26	5:35 p. m.	7:50 a. m.	1.04	5:45 p. m.	6:25 p. m.	0.04	0.06	0.28	0.42	0.43	0.45	0.48	0.59	0.70	0.73	0.76	0.79			
Baltimore, Md	13-15			1.66														0.17			
Binghamton, N. Y	3			0.15														0.13			
Bismarck, N. Dak	18			0.24														0.16			
Block Island, R. I	14-15			2.72														0.63			
Boise, Idaho	20			0.20														0.20			
Boston, Mass	15-16			2.18														0.41			
Buffalo, N. Y	3-4			2.04														0.35			
Cairo, Ill	7-8			0.47														0.33			
Charleston, S. C	8			0.34														0.31			
Charlotte, N. C	12-13	9:15 p. m.	6:50 a. m.	1.23	11:49 p. m.	12:35 a. m.	0.09	0.22	0.27	0.27	0.29	0.35	0.46	0.51	0.55	0.72	0.74				
Chattanooga, Tenn	8	2:16 a. m.	5:38 a. m.	1.01	3:14 a. m.	3:55 a. m.	0.02	0.05	0.15	0.27	0.32	0.43	0.59	0.82	0.91	0.93	0.96				
Chicago, Ill	10-11			1.16														0.29			
Cincinnati, Ohio	8			1.02														0.27			
Cleveland, Ohio	3			1.50														0.35			
Columbia, Mo	19-20			1.39														0.56			
Columbia, S. C	25-26			1.51														0.51			
Columbus, Ohio	8			0.82														0.18			
Corpus Christi, Tex	29			0.78														0.61			
Davenport, Iowa	12			0.32														0.30			
Denver, Colo	2-3			0.29														*			
Des Moines, Iowa	18			0.50														*			
Detroit, Mich	11-12	9:30 p. m.	2:00 a. m.	1.22	11:25 p. m.	11:40 p. m.	0.53	0.10	0.37	0.49	0.52	0.54	0.56								
Dodge, Kans	28-29			1.49														*			
Dubuque, Iowa	12			0.39														0.31			
Duluth, Minn	5-6			0.57														0.14			
Eastport, Me	8-9			1.04														0.16			
Elkins, W. Va	3-4			0.77														0.28			
Erie, Pa	3-4			1.56														0.33			
Escanaba, Mich	2			0.27														0.14			
Evansville, Ind	12-13	8:50 p. m.	10:42 a. m.	1.06	9:05 p. m.	9:35 p. m.	0.02	0.32	0.34	0.34	0.44	0.68	0.75	0.78	0.81						
Fort Smith, Ark	7			0.16														0.10			
Fort Worth, Tex	10			0.58														0.21			
Galveston, Tex	29			1.09														0.41			
Grand Haven, Mich	11	3:50 p. m.	8:15 p. m.	1.18	6:20 p. m.	7:04 p. m.	0.18	0.10	0.33	0.49	0.50	0.51	0.55	0.65	0.82	0.88					
Grand Junction, Colo	1-2			0.40														0.10			
Green Bay, Wis	24			0.58														*			
Harrisburg, Pa	13-15			1.88														0.17			
Hatteras, N. C	22			0.85														0.49			
Huron, S. Dak	18-19			0.77														0.25			
Indianapolis, Ind	24			0.33														0.31			
Jacksonville, Fla	13	5:30 p. m.	8:30 p. m.	1.01	6:21 p. m.	7:15 p. m.	0.01	0.09	0.30	0.46	0.70	0.72	0.72	0.72	0.72	0.76	0.91	0.98			
Jupiter, Fla	8			0.31														0.14			
Kalispell, Mont	7			0.09														0.07			
Kansas City, Mo	2-3			1.36														0.27			
Key West, Fla	26			0.44														0.42			
Knoxville, Tenn	7-8	D. N.	6:25 a. m.	1.64	4:20 a. m.	4:55 a. m.	0.60	0.13	0.35	0.47	0.51	0.57	0.62	0.68	0.70						
La Crosse, Wis	1-2			1.21					0.33												
Lewiston, Idaho	8-9			0.45														0.05			
Lexington, Ky	12-13			1.10														*			
Lincoln, Nebr	28-29	5:30 p. m.	7:10 a. m.	2.16	7:50 p. m.	8:05 p. m.	0.21	0.18	0.44	0.55	0.58	0.60									
Little Rock, Ark	7	7:00 a. m.	10:00 a. m.	0.71	8:00 a. m.	8:15 a. m.	0.08	0.14	0.36	0.43	0.44										
Los Angeles, Cal	16-17			3.00														0.49			
Louisville, Ky	19-20			1.91										0.47							
Lynchburg, Va	7-8			0.90														0.19			
Macon, Ga	13	8:05 p. m.	10:35 p. m.	0.55	10:05 p. m.	10:25 p. m.	0.04	0.17	0.37	0.43	0.49	0.51									
Memphis, Tenn	12	7:10 a. m.	9:45 a. m.	1.14	7:59 a. m.	8:25 a. m.	0.03	0.35	0.57	0.62	0.72	0.87	0.91	0.93	0.96						
Meridian, Miss	13	6:00 a. m.	8:18 a. m.	0.86	7:50 a. m.	8:10 a. m.	0.03	0.12	0.34	0.58	0.83										
Milwaukee, Wis	12			0.33														0.29			
Montgomery, Ala	13			1.08														0.49			
Nantucket, Mass	15			0.71														0.38			
Nashville, Tenn	8	D. N.	4:30 a. m.	1.68	1:05 a. m.	1:45 a. m.	0.08	0.10	0.25	0.36	0.40	0.44	0.47	0.69	0.85	0.87	0.94	1.01			
New Haven, Conn	7-8			0.97														0.36			
New Orleans, La	30	7:57 a. m.	11:15 a. m.	0.97	9:32 a. m.	10:03 a. m.	0.26	0.12	0.27	0.34	0.47	0.60	0.66	0.68							
New York, N. Y	4			0.60														0.20			
Norfolk, Va	14-15			1.81														0.53			
Northfield, Vt	7			0.12														0.12			
North Head, Wash	20-21			1.22														0.20			
Oklahoma, Okla	29			0.44														0.30			
Omaha, Nebr	28-29			1.19														0.30			
Palestine, Tex	29			0.65														0.20			
Parkersburg, W. Va	13			1.01														0.55			
Pensacola, Fla	6			0.08														0.08			
Philadelphia, Pa	14-15			1.28														0.21			
Pittsburg, Pa	8			0.72														0.27			
Pocatello, Idaho	10			0.40														*			
Portland, Me	15-16			1.38														0.18			
Portland, Oreg	3			0.20														0.19			
Pueblo, Colo	2			0.25														0.11			
Raleigh, N. C	14			0.89														0.82†			
Richmond, Va	13-14			1.22														0.43			
Rochester, N. Y	3-4			1.60														0.34			
Sacramento, Cal	1			0.25														0.13			
St. Louis, Mo	3			0.39									0.21								
St. Paul, Minn	28-29			1.23														0.45			
Salt Lake City, Utah	26-27			0.49														0.20			
San Antonio, Tex	29			1.68														0.58			
San Diego, Cal	16-17			1.00														*			
Sandusky, Ohio	2-3			1.81														0.20			
San Francisco, Cal	1			0.39														0.29			
Savannah, Ga	19			0.53														0.45			
Scranton, Pa	7			0.47														0.43			
Seattle, Wash	21			0.51														0.16			
Shreveport, La	29	4:10 p. m.	10:00 p. m.	1.38	4:13 p. m.	4:37 p. m.	T.	0.15	0.37	0.68	0.75	0.82									
Spokane, Wash	26			0.13														0.12			

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														
Springfield, Ill	10-11			1.68														0.33			
Springfield, Mo	12-13			1.27														0.43			
Tampa, Fla	9	2:12 p. m.	5:10 p. m.	0.58	3:07 p. m.	3:20 p. m.	0.03	0.12	0.32	0.51											
Taylor, Tex.	29			0.70														0.31			
Toledo, Ohio	3-4			1.44														0.31			
Topeka, Kan	18	5:20 p. m.	7:05 p. m.	0.61	5:30 p. m.	5:45 p. m.	0.01	0.06	0.26	0.52	0.56										
Valentine, Nebr	18			0.39														0.19			
Vicksburg, Miss	30			0.98														*			
Washington, D. C	13-15			2.01														0.34			
Wichita, Kans	29			1.72														0.39			
Wilmington, N. C	20	12:35 p. m.	1:55 p. m.	0.82	1:01 p. m.	1:53 p. m.	0.02	0.21	0.41	0.44	0.49	0.49	0.49	0.50	0.53	0.65	0.77	0.80			
Wytheville, Va	3-4			0.58														0.37			
Yankton, S. Dak	28			0.80														*			
Bridgetown, Barbados	4			0.23														0.21			
Havana, Cuba	14-15			0.39														0.16			
San Juan, Porto Rico	20	10:47 a. m.	11:35 a. m.	0.73	10:50 a. m.	11:10 a. m.	0.02	0.16	0.34	0.55	0.67	0.70									

* Self-register not working. † Estimated.

TABLE VI.—*Data furnished by the Canadian Meteorological Service, April, 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	29.71	29.85	—.04	35.1	+ 0.6	41.6	28.6	5.07	+0.91	0.2
Sydney, C. B. I	29.85	29.89	.00	37.0	+ 2.0	44.5	29.5	6.37	+2.52	3.5
Halifax, N. S	29.78	29.89	—.07	40.6	+ 2.8	48.6	32.5	5.52	+1.34	1.1
Grand Manan, N. B	29.80	29.85	—.09	41.2	+ 2.0	48.5	34.0	5.36	+2.40	4.5
Yarmouth, N. S	29.81	29.88	—.08	41.5	+ 2.6	48.5	34.6	6.15	+2.76	4.1
Charlottetown, P. E. I	29.84	29.88	—.02	36.6	+ 1.4	43.7	29.5	4.37	+1.72	10.3
Chatham, N. B	29.83	29.85	—.05	37.9	+ 2.4	47.9	27.9	3.80	+1.17	15.6
Father Point, Que	29.85	29.87	—.06	34.9	+ 1.7	42.1	27.7	3.05	+1.47	20.2
Quebec, Que	29.57	29.90	—.09	39.1	+ 4.0	47.4	30.9	1.76	—0.33	5.1
Montreal, Que	29.69	29.90	—.10	44.1	+ 4.4	53.1	35.1	2.22	—0.02	4.3
Bissett, Ont	29.35	29.97	—.05	40.3	+ 2.4	54.7	25.9	1.12	—0.44	1.0
Ottawa, Ont	29.65	29.98	—.04	44.1	+ 4.1	55.0	33.3	0.95	—0.55	1.0
Kingston, Ont	29.60	29.92	—.10	42.3	+ 2.3	50.8	33.8	3.22	+1.43	1.1
Toronto, Ont	29.55	29.94	—.08	43.9	+ 3.1	52.7	35.0	3.74	+1.37	3.0
White River, Ont	28.73	30.08	+.04	31.2	— 1.8	43.5	18.9	1.48	+0.23	13.8
Port Stanley, Ont	29.28	29.90	—.12	44.2	+ 3.2	51.2	37.1	3.88	+1.41	3.3
Saugeen, Ont	29.23	29.95	—.08	42.5	+ 3.8	51.8	33.2	0.95	—0.85	0.3
Parry Sound, Ont	29.23	29.93	—.09	42.1	+ 4.5	53.4	30.8	1.88	—0.03	T.
Port Arthur, Ont	29.28	30.00	—.03	35.2	+ 1.7	43.9	26.6	1.81	+0.09	15.8
Winnipeg, Man	29.15	30.00	—.02	40.0	+ 4.1	52.6	27.4	0.54	—0.51	0.4
Minnedosa, Man	28.15	30.00	—.01	39.6	+ 3.6	52.1	27.1	1.05	—0.01	7.9
Qu'Appelle, Assin	27.65	29.91	—.08	40.2	+ 2.8	53.9	26.5	0.39	—0.66	2.3
Medicine Hat, Assin	27.56	29.85	—.07	44.1	— 0.4	58.3	29.9	0.45	—0.29	1.0
Swift Current, Assin	27.33	29.91	—.05	42.3	+ 1.0	54.7	29.8	0.85	—0.08	3.6
Calgary, Alberta	26.29	29.86	—.04	37.5	— 2.1	49.1	25.9	0.46	—0.18	2.6
Banff, Alberta	25.26	29.92	+.02	32.3	— 3.0	42.1	22.5	1.07	—0.01	6.5
Edmonton, Alberta	27.57	29.89	.00	37.8	— 2.1	48.5	27.0	1.20	+0.32	10.7
Prince Albert, Sask	28.35	29.93	—.05	33.7	— 2.4	46.3	21.2	1.41	—0.58	13.0
Battleford, Sask	28.19	29.96	—.01	36.2	— 1.0	47.8	24.5	1.15	+0.68	6.9
Kamloops, B. C	28.68	29.90	—.03	47.0	— 1.9	57.9	36.1	0.28	—0.11	0.0
Victoria, B. C	29.95	30.05	+.04	46.5	— 0.3	52.7	40.3	1.39	—0.98	0.0
Barkerville, B. C	25.59	29.95	+.09	31.3	— 1.8	41.7	20.8	2.86	+1.04	23.0
Hamilton, Bermuda	29.80	29.96	—.09	66.0	+ 2.1	70.8	61.1	4.20	+0.02	0.0
Dawson City, Yukon										

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

Stations.	Distance to mouth of river.	Danger line on gage.	Highest water. Height.	Highest water. Date.	Lowest water. Height.	Lowest water. Date.	Mean stage.	Monthly range.
Mississippi River.	Miles.	Feet.	Feet.		Feet.		Feet.	Feet.
St. Paul, Minn	1,954	14	8.9	18	6.9	6,10	7.6	2.0
Red Wing, Minn	1,914	14	8.2	18	6.6	9,28,30	7.2	1.6
Reeds Landing, Minn	1,884	12	7.2	18,19	5.9	28	6.4	1.3
La Crosse, Wis	1,819	12	8.6	1,19-22	7.4	11	8.1	1.2
Prairie du Chien, Wis	1,759	18	11.8	1	8.5	30	9.4	3.3
Dubuque, Iowa	1,699	15	12.8	1,2	9.6	30	10.6	3.2
Leclaire, Iowa	1,609	10	8.0	3,4	5.9	30	6.9	2.1
Davenport, Iowa	1,593	15	10.4	4	8.1	30	9.3	2.3
Muscatine, Iowa	1,562	16	12.0	4,5	9.6	30	11.1	2.4
Galland, Iowa	1,472	8	6.4	14,16-18	5.0	30	5.9	1.4
Keokuk, Iowa	1,463	15	11.7	11	8.9	30	10.7	2.8
Hannibal, Mo.	1,402	13	14.2	12	10.2	30	12.2	4.0
Grafton, Ill	1,306	23	18.8	15	15.3	2,3	17.0	3.5
St. Louis, Mo	1,264	30	24.6	18	19.0	30	21.9	5.6
Chester, Ill	1,189	30	20.8	19	16.1	4,30	18.4	4.7
New Madrid, Mo	1,003	34	35.2	24-26	28.9	9-11	32.3	6.3
Memphis, Tenn[1]	843	33	36.0	1	28.5	12-14	31.9	7.5
Helena, Ark	767	42	49.9	1	41.1	16	44.1	8.8
Arkansas City, Ark	635	42	52.3	1	45.1	24-28	47.8	7.2
Greenville, Miss	595	42	46.6	1	39.2	25-27	42.0	7.4
Vicksburg, Miss	474	45	51.3	1	45.1	30	48.5	6.2
New Orleans, La	108	16	20.4	6,7	18.5	29	19.6	1.9
Yellowstone River.								
Glendive, Mont	98	17	7.2	3	0.3	29,30	2.1	6.9
James River.								
Lamoure, N. Dak		25	6.5	5-7	—1.6	30	1.7	8.1
Huron, S. Dak	210	9	2.9	20	1.9	8,11,13-15	2.3	1.0
Missouri River.								
Townsend, Mont	2,504	10	5.2	29	4.1	7-10	4.5	1.1
Fort Benton, Mont	2,285	12	2.7	30	1.5	9-11	2.0	1.2
Bismarck, N. Dak	1,309	14	12.4	6	2.2	29,30	3.8	10.2
Pierre, S. Dak	1,114	14	10.2	8	2.5	1	4.0	7.7
Sioux City, Iowa	784	19	11.7	11	6.8	1	8.1	4.9
Missouri River—Cont'd.	Miles.	Feet.	Feet.		Feet.		Feet.	Feet.
Omaha, Nebr	669	18	12.0	13	7.8	1,2	8.6	4.2
Plattsmouth, Nebr			7.9	13	3.9	11	5.0	4.0
St. Joseph, Mo	481	10	7.3	14	3.2	11	3.9	4.1
Kansas City, Mo	388	21	14.0	15	8.6	30	10.4	5.4
Glasgow, Mo	231		9.6	16	4.9	29,30	6.8	4.7
Boonville, Mo	199	20	14.0	16	8.8	30	11.2	5.2
Hermann, Mo	103	24	14.7	17	8.2	30	11.5	6.5
Chippewa River.								
Chippewa Falls, Wis	90	16	7.0	30	3.0	13,18,19,22-24,26	3.8	4.0
Illinois River.								
Peoria, Ill	135	14	18.7	19,20	14.7	6,7	16.4	4.0
Youghiogheny River.								
Confluence, Pa	59	10	5.1	16	2.1	7	3.2	3.0
West Newton, Pa.	15	23	7.0	9	1.4	30	3.4	5.6
Allegheny River.								
Warren, Pa	177	14	7.1	4	1.4	30	3.4	5.7
Oil City, Pa	123	13	8.3	5	1.9	30	4.0	6.4
Parker, Pa	73	20	8.8	5	1.7	30	4.5	7.1
Freeport, Pa	29	20	13.0	16	4.3	30	7.9	8.7
Clarion River.								
Clarion, Pa	32	10	5.3	15,16	1.4	30	3.1	3.9
Monongahela River.								
Weston, W. Va.	161	18	6.6	16	3.4	3,6,30	4.2	3.2
Fairmont, W. Va.	119	25	10.8	9	2.8	25-27	4.3	8.0
Greensboro, Pa	81	18	15.2	9	8.0	30	9.7	7.2
Lock No. 4, Pa	40	28	17.7	10	7.9	26	10.7	9.8
Conemaugh River.								
Johnstown, Pa	64	7	6.6	16	2.5	30	3.3	4.1
Red Bank Creek.								
Brookville, Pa	35	8	2.2	15	0.4	27-30	0.8	1.8
Beaver River.								
Ellwood Junction, Pa.	10	14	6.0	15	3.0	21-30	3.6	3.0

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.		
Great Kanawha, River.	*Miles.*	*Feet.*	*Feet.*		*Feet.*		*Feet.*	*Feet.*
Charleston, W. Va	58	30	14.0	17	6.8	25	9.3	7.2
Little Kanawha River.								
Glenville, W. Va	103	20	11.4	16	0.5	25	2.7	10.9
New River.								
Radford, Va	155	14	3.0	8, 27	1.2	21, 22	1.9	1.8
Hinton, W. Va	95	14	6.8	27	3.7	20, 25	4.7	3.1
Cheat River.								
Rowlesburg, W. Va.	36	14	6.3	9	1.8	1	3.4	4.5
Ohio River.								
Pittsburg, Pa	966	22	13.4	17	3.3	30	7.8	10.1
Davis Island Dam, Pa	960	25	13.4	17	5.6	30	9.2	7.8
Beaver Dam, Pa	925	27	18.8	17	7.0	30	12.6	11.8
Wheeling, W. Va	875	36	19.5	18	6.9	30	12.9	12.6
Parkersburg, W. Va	785	36	27.0	16, 17	8.0	30	15.6	19.0
Point Pleasant, W. Va	705	39	36.5	17	12.9	30	22.0	23.6
Huntington, W. Va	660	50	41.7	17	18.7	26, 30	27.4	23.0
Catlettsburg, Ky	651	50	43.0	17	19.1	26, 27, 30	28.2	23.9
Portsmouth, Ohio	612	50	43.5	17	20.3	26	29.6	23.2
Cincinnati, Ohio	499	50	44.4	19	22.8	29	32.9	21.6
Madison, Ind	413	46	37.0	18	20.4	30	29.0	16.6
Louisville, Ky	367	28	18.9	20	9.0	30	12.7	9.9
Evansville, Ind	184	35	36.1	21	21.9	9	29.4	14.2
Paducah, Ky	47	40	38.9	23	26.5	9	33.1	12.4
Cairo, Ill	1,073	45	45.2	22–24	36.0	9, 10	40.8	9.2
Muskingum River.								
Zanesville, Ohio	70	20	20.3	15	7.9	30	12.8	12.4
Scioto River.								
Columbus, Ohio	110	17	8.0	15	3.2	26	4.6	4.8
Miami River.								
Dayton, Ohio	77	18	4.7	5	2.0	29, 30	2.9	2.7
Wabash River.								
Mount Carmel, Ill	50	15	20.5	22	6.2	5	13.2	14.3
Licking River.								
Falmouth, Ky	30	25	12.0	13	3.0	30	6.5	9.0
Kentucky River.								
High Bridge, Ky	117	17	19.5	10	12.1	4	14.7	7.4
Frankfort, Ky	65	31	16.3	11	8.0	5	10.6	8.3
Clinch River.								
Speers Ferry, Va	156	20	9.8	14	1.4	3	3.3	8.4
Clinton, Tenn	52	25	21.1	10	8.6	3	12.3	12.5
Hiwassee River.								
Charleston, Tenn	18	22	15.7	9	3.5	30	7.0	12.2
Holston River.								
Rogersville, Tenn	103	14	10.0	9	3.5	25	4.8	6.5
French Broad River.								
Asheville, N. C	144	6	4.3	9	0.9	30	2.1	3.4
Leadvale, Tenn	70	15	14.0	9	2.0	30	4.3	12.0
Tennessee River.								
Knoxville, Tenn	635	29	24.6	9	5.7	30	9.6	18.9
Kingston, Tenn	556	25	23.4	9	6.0	27, 28, 30	10.0	17.4
Chattanooga, Tenn	452	33	31.8	11	9.2	28, 29	16.3	22.6
Bridgeport, Ala	402	24	22.7	12	7.0	29	13.0	15.7
Florence, Ala	255	16	18.0	14, 15	6.6	30	12.3	11.4
Riverton, Ala	225	25	28.3	15	9.1	30	18.9	19.2
Johnsonville, Tenn	95	24	26.9	18	11.6	30	20.4	15.3
Cumberland River.								
Burnside, Ky	516	50	42.6	9	6.7	30	15.0	35.9
Carthage, Tenn	305	40	33.3	10	8.5	30	19.0	24.8
Nashville, Tenn	189	40	34.3	12	13.0	30	23.3	21.3
Clarksville, Tenn	126	42	37.8	14	16.3	30	27.0	21.5
Arkansas River.								
Wichita, Kans	832	10	1.7	3–7	1.4	18–28	1.5	0.3
Webbers Falls, Ind. T	465	23	10.6	13	3.4	29, 30	6.0	7.2
Fort Smith, Ark	403	22	10.3	14	4.1	30	6.6	6.2
Dardanelle, Ark	256	21	10.2	10	4.0	30	7.0	6.2
Little Rock, Ark	176	23	11.6	12	5.6	30	8.9	6.0
White River.								
Newport, Ark	150	26	17.5	1	7.2	30	11.3	10.3
Yazoo River.								
Yazoo City, Miss	80	25	28.7	5–8	22.5	30	26.8	6.2
Red River.								
Arthur City, Tex	638	27	9.2	1	6.2	29, 30	7.3	3.0
Fulton, Ark	515	28	21.0	1	9.2	29	12.3	11.8
Shreveport, La	327	29	30.9	1	6.3	30	16.8	24.6
Alexandria, La	118	33	35.9	1, 2	16.0	30	27.4	19.9
Ouachita River.								
Camden, Ark	304	39	16.2	1	6.8	30	10.0	9.4
Monroe, La	122	40	44.1	1	34.7	30	39.3	9.4
Atchafalaya River.								
Melville, La	100	31	38.7	4, 5	36.9	29, 30	38.0	1.8
Penobscot River.								
Mattawamkeag, Me	87	.....	17.0	11	14.7	24–26	15.8	2.3
Montague, Me	60	.....	12.3	10	8.3	25	10.1	4.0
Kennebec River.								
Solon, Me.[2]	86	.....	.....	.....	.....	.....	.....	.....
Winslow, Me	46	.....	6.3	9, 11	3.8	27, 28	5.1	2.5
Merrimac River.								
Franklin Junction, N. H	110	.....	9.8	1	5.3	29	7.0	4.5
Concord, N. H	94	.....	5.9	1	2.8	28–30	4.2	3.1
Manchester, N. H	68	.....	3.7	5	2.0	13, 21, 24	2.6	1.7
Connecticut River.	*Miles.*	*Feet.*	*Feet.*		*Feet.*		*Feet.*	*Feet.*
Wells River, Vt	255	.....	27.0	5, 6	23.0	25–30	24.8	4.0
White River Junction, Vt.	209	.....	13.2	1	6.9	26	9.8	6.3
Bellows Falls, Vt	170	12	6.0	1	1.9	25	3.8	4.1
Holyoke, Mass	84	9	5.7	2, 5	1.6	30	3.8	4.1
Hartford, Conn	50	13	14.8	10	5.5	30	10.4	9.3
Housatonic River.								
Gaylordsville, Conn	50	15	7.2	10	4.6	28	5.7	2.6
Susquehanna River.								
Binghamton, N. Y	306	16	7.6	1	3.2	30	4.8	4.4
Towanda, Pa	262	16	7.1	1, 15	1.6	30	4.0	5.5
Wilkesbarre, Pa	183	17	14.4	16	4.9	30	8.7	9.5
Harrisburg, Pa	69	17	12.3	17	3.3	30	6.3	9.0
West Branch Susquehanna.								
Lockhaven, Pa	65	12	4.3	16	0.6	30	1.9	3.7
Williamsport, Pa	39	20	11.6	16	2.7	30	5.6	8.9
Juniata River.								
Huntingdon, Pa.	90	24	7.6	16	3.9	30	4.8	3.7
Shenandoah River.								
Riverton, Va	58	22	6.9	16	1.2	29, 30	2.9	5.7
Potomac River.								
Cumberland, Md	290	8	7.2	16	3.3	29, 30	4.6	3.9
Harpers Ferry, W. Va	172	18	14.5	15	3.6	30	7.2	10.9
James River.								
Lynchburg, Va	260	18	5.0	1	2.3	24, 25	3.3	2.7
Richmond, Va	111	12	7.1	15	0.5	25	2.6	6.6
Dan River.								
Danville, Va	55	8	5.4	9	0.2	22	1.4	5.2
Roanoke River.								
Clarksville, Va	196	12	11.0	1	5.4	13	7.0	5.6
Weldon, N. C	129	30	31.0	1, 2	14.5	21	21.6	16.5
Cape Fear River.								
Fayetteville, N. C	112	38	38.8	1	9.3	21	19.1	29.5
Edisto River.								
Edisto, S. C	75	6	5.5	2, 3	4.2	28	4.6	1.3
Pedee River.								
Cheraw, S. C	149	27	27.8	1	7.8	25	15.4	2.0
Black River.								
Kingstree, S. C.[3]	52	12	9.7	3	7.6	30	8.6	2.1
Lynch Creek.								
Effingham, S. C	35	12	10.5	4, 8	5.8	18, 30	8.3	4.7
Santee River.								
St. Stephens, S. C	97	12	15.2	1	8.5	30	10.4	6.7
Congaree River.								
Columbia, S. C	37	15	16.6	1	2.5	30	5.6	14.1
Wateree River.								
Camden, S. C.[2]	45	24	.....	.....	.....	.....	.....	.....
Waccamaw River.								
Conway, S. C	40	7	6.9	4, 5	4.1	30	5.6	2.8
Savannah River.								
Calhoun Falls, S. C	347	15	12.9	14	3.8	29, 30	4.9	9.1
Augusta, Ga	268	32	24.9	1	10.7	30	14.6	14.2
Broad River.								
Carlton, Ga	30	11	6.8	14	3.2	30	3.9	3.6
Flint River.								
Albany, Ga	80	20	14.6	2	7.1	29	10.8	7.5
Chattahoochee River.								
Oakdale, Ga	305	18	16.8	15	4.7	29, 30	7.1	12.1
Westpoint, Ga	239	20	12.3	1	4.5	30	6.6	7.8
Eufaula, Ala	90	40	27.9	1	6.0	30	13.4	21.9
Ocmulgee River.								
Hollingsworth Ferry, Ga	172	8	13.0	1	5.6	30	9.7	7.4
Macon, Ga	125	18	14.3	1	5.4	30	8.1	8.9
Oconee River.								
Dublin, Ga	79	20	15.5	3	3.6	30	8.5	11.9
Coosa River.								
Rome, Ga	271	30	24.9	1	3.7	30	8.5	21.2
Gadsden, Ga	144	18	20.8	3, 4	4.4	30	11.0	16.4
Alabama River.								
Montgomery, Ala	265	35	29.5	2, 3	7.1	30	17.2	22.4
Selma, Ala	212	35	31.4	3, 4	9.8	30	20.5	21.6
Tombigbee River.								
Columbus, Miss.[1]	303	33	3.6	16, 17	— 0.2	30	2.0	3.8
Demopolis, Ala	155	35	21.3	1	7.6	30	14.7	13.7
Black Warrior River.								
Tuscaloosa, Ala	90	43	32.1	15	8.9	30	15.8	23.2
Brazos River.								
Kopperl, Tex	369	21	0.6	1–17	— 0.8	30	0.3	1.4
Waco, Tex	301	24	5.4	1, 2	3.3	28–30	4.0	2.1
Booth, Tex	76	39	15.5	10	9.3	27, 28	11.4	6.2
Red River of the North.								
Moorhead, Minn	418	26	13.9	6	8.5	30	10.6	5.4
Columbia River.								
Umatilla, Oreg	270	25	10.6	30	6.4	17, 18	7.8	4.2
The Dalles, Oreg	166	40	16.0	30	9.4	18, 19	11.7	6.6
Willamette River.								
Albany, Oreg	118	20	6.0	1	3.3	21	4.4	2.7
Portland, Oreg	12	15	9.1	30	4.9	20, 21	7.0	4.2
Sacramento River.								
Red Bluff, Cal	265	23	11.8	1	4.1	29, 30	6.0	7.7
Sacramento, Cal	64	29	27.6	4	21.0	27	23.8	6.6

(1) 29 days only. (2) No observations taken. (3) Interpolated readings.