conclusions from any one such record, for in the course of fifty years barometers deteriorate and thermometers change their scale of corrections, to say nothing of the breakages and renewals that will happen to every instrument. Even the simple rain gauge is liable to be changed, and especially do its records suffer from the fact that the growth of trees and shrubbery, the erection of buildings, and possible changes of location, such as are almost sure to be made when the observer thinks he can improve the exposure—all contribute greatly to change the catch of the rain gauge. These inevitable changes increase the difficulty of ascertaining whether there has been any secular variation in climate. Such variation, if any, is certainly always very small and usually far less important than the variations due to the changes in instruments and their exposures. Although, therefore, the continuity of a record by one observer at the same station for a long period is partially broken up by these changes, still there is always a feeling that his ancient and his recent records are more nearly comparable among themselves than would be the case with records made by different observers at different locations in his neighborhood. There is, moreover, a great advantage in having long records of cloudiness, direction and force of the wind, the number of rainy days, the direction of the clouds, frequency of thunderstorms and auroras, and other miscellaneous phenomena not generally recorded by means of instruments and in reference to which the habits of the observer are, therefore, most important. The great publications on American climatology, such as "The Winds," by Coffin, "Temperature" and "Precipitation," by Schott, contain numerous records maintained by single individuals at the same station for twenty or thirty years and a few cases that are much longer than these, the most remarkable being the record by Prof. P. Cleaveland of the temperature at Brunswick, Me., from January, 1807, to December, 1859, and that of Dr. Holyoke at Salem, Mass., from January, 1786, to December, 1828. Continuous records for even longer periods have been accomplished by two or more successive observers, as in the case of a professor and his successor, or a father and his daughters, or the husband and wife. Thus, we have a record of the rainfall at New Bedford, Mass., for sixty-one years kept by S. Rodman and E. T. Tucker. It would be a valuable contribution to climatology if our voluntary observers and the directors of State weather services would acquaint themselves with the locations in their neighborhood where temperature and rainfall records have been previously kept and would stimulate or provide for the renewal of those records for a period of time long enough to establish clearly the relation between the climates at those spots and at the neighboring locations where records are now kept.

We desire also to commend to our observers the wisdom of the action recently taken by Mr. W. R. Springer, Voluntary Observer at Santa Cruz, Cal., who states that he and his son Ralph hope to make a long record for that locality, and that to that end, although his son is only 14 years old, yet he desires to be appointed local observer, and by beginning at so early an age and by having the advantage of his father's oversight expects that the future records will be homogeneous with the earlier ones. Mr. Schott's tables of precipitation publish the rainfall record kept at Santa Cruz by A. L. Taylor and J. H. Hoadley from November, 1873, to December, 1874. Mr. W. R. Springer's record extends from June, 1890, to February, 1897: Mr. Ralph Springer's record begins with March, 1897, and we hope that the people of Santa Cruz will see that it is maintained for a long time. Owing to the great irregularities in the local distribution of rainfall and the great varieties of soil on which the rain falls, it is desirable that there be several rain stations in every township. Those countries which are best supplied with rainfall stations frequently have more to the unit of area than the United States; in the Island of Barbadoes Dr. Walcott organized for the use of Governor Rawson in his studies on the sugar crop a system having more than one station to every square mile.

A MONUMENT TO BUYS-BALLOT.

At the suggestion of Dr. Maurits Snellen, Superintendent of the Royal Dutch Meteorological Institute, it is proposed to erect a monumental bust of the late Professor Buys-Ballot, as a memorial to that eminent meteorologist, who was the founder of the Royal Dutch Meteorological Institute and one of the most eminent promoters of meteorological science. The International Committee appointed to solicit and receive contributions to defray the expense of the proposed memorial monument have issued a circular, in which they say:

> As the sphere of his activity and studies extended far beyond the limits of his native country, they are convinced that their idea will not only be favorably received in Holland, but also in foreign countries, by scientific men who have known and appreciated his merits.

The Editor takes pleasure in announcing that any contributions for the Buys-Ballot monument may be sent to Prof. Willis L. Moore, Chief of the Weather Bureau, who will forward to the proper authorities.

Monuments acquire a greater value in proportion as they represent the popular voluntary expression of high appreciation, and certainty no one was more worthy to receive such a mark of esteem than Buys-Ballot, whose name is inseparably connected with the so-called Buys-Ballot law defining the relation between the wind and the pressure.

May we not hope that at some, not too distant, future, Americans will also honor those who have laid the foundations of our own progress in this science; Espy, Redfield, Maury, Loomis, Ferrel, and Joseph Henry form a brilliant galaxy whose deeds should be commemorated.

SUGGESTIONS TO OBSERVERS.

Under the above heading in the MONTHLY WEATHER REVIEW for February the voluntary observers were requested to inscribe upon their monthly reports some indication as to their rules or habits in observing and recording both thunderstorms and auroras. One observer in reply states that he "records thunderstorms every time that he hears the thunder himself or is told that some other person has heard it, and no matter whether it rains or not at his station. Also that he records auroras whenever he happens to see them before retiring, about 9.30 p. m." This is precisely the character of information that was desired. The Editor very carefully avoided imposing or suggesting any new labors. The further suggestions that were made by him were, as he stated on page 55, "for the use of those special observers who aim to make a specially complete record of thunderstorms and auroras." Nothing was added to the labors of the regular voluntary observers, but there are throughout the world many who devote special attention to these phenomena, and for the sake of uniformity the items given on page 56 were published for their information and guidance. We are pleased to learn that our suggestions have been favorably received by so many observers.

METEOROLOGICAL TABLES.

By A. J. HENRY, Chief of Division of Records and Meteorological Data.

For text descriptive of tables and charts see page 20 of REVIEW for January, 1897.

TABLE I.—*Climatological data for Weather Bureau Stations, March, 1897.*

Stations.	Elevation of instruments.			Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.									Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Precipitation, in inches.			Wind.					Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.
	Barometer above sea level, feet.	Thermometers above ground.	Anemometer above ground.	Mean actual, 8 a. m. and 8 p. m. + 2.	Mean reduced.	Departure from normal.	Mean max. and min. + 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.				Total.	Departure from normal.	Days with .01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.					
New England.							34.9	+ 2.0											3.32	— 0.7											
Eastport	76	69	74	29.90	30.00	+ .12	28.9	+ 0.3	46	30	35	— 4	1	22	30	26	21	74	4.08	— 0.4	21	9,731	nw.	50	se.	12	10	4	17	6.5	22.2
Portland, Me.	103	81	89	29.90	30.01	+ .09	31.8	+ 1.0	52	30	40	— 1	1	24	33	28	23	74	4.55	+ 1.2	12	5,746	nw.	31	nw.	4	10	6	15	5.7	26.8
Northfield	872	15	59	29.07	30.06	+ .07	26.5	+ 1.2	49	19	36	—18	1	17	46	24	20	77	2.73	+ 0.3	14	7,673	s.	50	nw.	6	5	10	16	6.8	20.3
Boston	125	115	131	29.91	30.05	+ .10	36.9	+ 2.3	57	30	44	7	1	29	29	32	26	67	2.79	— 1.3	13	9,530	nw.	42	nw.	4	11	1	19	6.1	3.3
Nantucket	14	43	54	30.05	30.06	+ .06	38.0	+ 3.6	52	12	43	18	17	33	20	35	31	79	3.05	— 0.5	14	10,063	nw.	42	nw.	4	9	2	20	7.3	0.3
Woods Hole	.....	51	57	.....	.....	.....	36.2	+ 0.4	51	12	42	14	*	31	20	....	....	....	2.83	— 1.8	12	12,464	w.	56	s.	12	10	8	13	5.3	0.8
Vineyard Haven	.....	20	....	.....	.....	.....	39.4	+ 3.2	55	29	47	13	1	32	22	....	....	....	3.61	— 0.8	15	.....	nw.	....	.....	....	8	12	11	....	0.1
Block Island	27	39	48	30.05	30.08	+ .12	36.6	+ 1.6	49	29	41	15	1	32	21	33	29	76	3.06	— 1.0	11	12,279	nw.	49	sw.	5	9	12	10	5.7	1.0
Narragansett Pier	.....	10	....	.....	.....	.....	36.6	+ 3.3	57	30	44	9	1	29	26	....	....	....	2.94	— 1.7	12	.....	sw.	....	.....	....	15	2	14	....	1.5
New Haven	107	118	140	29.95	30.07	+ .08	37.7	+ 3.3	60	23	46	11	1	30	26	33	26	67	3.66	— 0.6	8	7,676	n.	39	w.	25	12	3	16	5.8	5.9
Mid. Atlan. States.							44.5	+ 3.3											2.84	— 1.0											
Albany	97	84	113	29.97	30.08	+ .09	35.3	+ 2.3	58	22	44	4	1	27	28	32	28	78	1.85	— 0.8	14	7,556	s.	36	se	5	10	5	16	6.0	2.6
Binghamton	875	79	90	.....	....	.....	34.6	.....	65	22	44	2	1	26	35	....	....	....	2.66	.....	17	6,414	w.	36	s.	14	10	5	16	6.3	4.9
New York	314	298	326	29.74	30.08	+ .08	39.2	+ 2.0	62	21	46	16	1	32	28	35	30	73	2.51	— 1.5	13	11,600	nw.	57	w.	24	10	7	14	5.8	2.2
Harrisburg	377	94	102	29.69	30.11	+ .04	41.1	+ 4.9	66	*	48	23	1	34	25	36	28	65	2.87	— 0.6	13	6,476	w.	40	w.	24	9	7	15	6.3	4.8
Philadelphia	117	168	184	29.97	30.10	+ .08	43.1	+ 4.1	68	22	51	23	1	35	26	38	33	70	2.03	— 1.2	13	8,074	nw.	34	nw.	13	8	11	12	5.9	T.
Atlantic City	53	68	76	30.04	30.09	+ .09	41.0	+ 3.2	63	10	47	23	17	35	24	38	35	81	2.20	— 1.7	10	9,263	sw.	41	w.	24	8	12	11	5.9	T.
Baltimore	123	68	82	29.96	30.09	+ .06	45.0	+ 2.9	72	21	53	28	17	37	30	39	32	65	2.40	— 1.7	12	4,338	w.	25	w.	24	9	10	12	5.7	T.
Washington	112	59	76	29.99	30.11	+ .07	46.0	+ 4.6	82	22	56	26	*	36	38	41	36	73	2.66	— 1.5	13	6,030	s.	36	nw.	10	11	9	11	5.1	T.
Cape Henry	.....	5	34	.....	.....	.....	50.5	+ 5.4	80	*	59	33	1	42	31	....	....	....	4.01	— 1.1	12	.....	se.	....	.....	...	10	10	11	....	
Lynchburg	685	83	88	29.38	30.13	+ .08	50.0	+ 4.2	79	21	60	30	29	41	32	44	38	71	3.46	— 0.2	14	3,933	sw.	25	nw.	10	6	12	13	6.3	T.
Norfolk	57	88	93	30.07	30.14	+ .10	51.4	+ 4.4	80	22	60	32	1	42	32	46	42	78	4.38	— 0.2	14	6,995	ne.	36	sw.	24	11	5	15	5.9	
S. Atlantic States.							57.3	+ 3.5											3.90	— 0.7											
Charlotte	773	67	76	29.28	30.11	+ .06	52.2	+ 1.4	80	21	60	28	28	44	30	47	42	75	6.21	+ 1.5	19	5,926	sw.	34	s.	6	8	7	16	6.6	
Hatteras	11	17	36	30.12	30.13	+ .09	52.9	+ 3.2	69	6	58	36	1	47	24	50	48	83	3.79	— 2.3	18	11,160	ne.	43	n.	7	6	12	13	6.4	
Kittyhawk	9	12	30	30.09	30.10	+ .07	50.8	+ 3.2	78	20	61	30	1	41	35	49	46	81	4.42	— 0.7	12	11,844	ne.	40	ne.	7	12	8	11	5.0	
Raleigh	375	93	101	29.73	30.14	+ .07	53.0	+ 4.7	80	21	62	31	1	44	34	47	41	71	4.82	— 0.1	13	5,382	sw.	26	sw.	24	5	12	14	6.4	T.
Wilmington	78	82	88	30.05	30.14	+ .09	56.8	+ 3.1	82	21	65	34	28	48	28	52	48	77	1.23	— 2.7	13	7,073	w.	34	w.	24	11	9	11	5.3	
Charleston	48	60	72	30.11	30.16	+ .09	60.8	+ 4.1	86	21	68	41	28	54	22	56	52	79	4.38	+ 0.4	15	8,600	sw.	38	ne.	13	6	14	11	6.4	
Columbia	.....	5	....	.....	.....	.....	55.8	+ 1.6	85	21	66	30	28	46	34	....	....	....	3.66	— 0.9	12	.....	ne.	....	.....	...	7	5	19	....	
Augusta	180	89	103	29.92	30.11	+ .05	59.2	+ 3.1	87	21	68	35	28	50	29	53	49	76	4.72	— 0.5	13	5,162	ne.	31	w.	25	5	7	19	7.3	
Savannah	98	63	86	30.02	30.14	+ .04	62.8	+ 4.0	86	20	71	40	28	54	27	57	54	80	4.16	+ 0.4	10	6,812	ne.	30	w.	27	10	3	18	6.4	
Jacksonville	43	69	84	30.07	30.12	+ .03	68.8	+ 6.8	88	20	78	48	1	60	28	62	59	83	1.60	— 1.8	7	6,950	ne.	32	sw.	19	11	14	6	4.8	
Florida Peninsula.							73.9	+ 4.4											1.32	— 0.3											
Jupiter	23	13	30	30.10	30.13	+ .03	73.2	+ 3.2	88	23	79	49	27	68	26	67	64	77	3.65	+ 1.4	8	8,376	s.	29	s.	19	14	14	8	4.3	
Key West	22	42	50	30.09	30.11	+ .01	76.5	+ 4.0	84	20	81	65	28	72	13	69	66	74	0.38	— 0.8	2	8,056	se.	37	n.	24	22	8	1	3.0	
Tampa	36	60	68	30.09	30.13	+ .03	71.9	+ 6.1	88	16	80	50	1	64	27	66	63	81	1.44	— 1.6	9	5,831	se.	28	sw.	19	11	16	4	4.1	
East Gulf States.							64.3	+ 5.5											6.12	+ 0.3											
Atlanta	1,131	92	126	28.90	30.11	+ .01	54.9	+ 3.4	80	21	63	32	26	47	28	50	47	80	5.74	— 0.3	17	8,425	e.	52	n.	14	5	4	22	7.8	
Pensacola	56	78	90	30.01	30.07	— .03	66.3	+ 5.8	77	13	71	43	1	61	21	63	61	86	5.31	— 0.2	14	8,852	se.	42	se.	30	5	11	15	6.8	
Mobile	57	88	96	30.00	30.06	— .03	66.2	+ 6.7	79	20	72	41	1	60	25	62	59	84	7.43	— 0.1	12	6,990	s.	45	se.	29	6	3	22	7.7	
Montgomery	221	100	107	29.83	30.06	— .03	63.0	+ 5.5	84	20	71	37	1	55	28	58	55	81	12.02	+ 5.6	13	6,209	se.	34	w.	19	5	14	12	6.1	
Vicksburg	254	65	73	29.70	29.97	— .11	64.2	+ 5.7	86	30	73	42	15	56	26	58	53	71	5.12	— 1.3	15	7,188	se.	56	nw.	19	11	14	6	4.6	
New Orleans	54	112	120	29.97	30.03	— .04	69.4	+ 6.9	84	20	76	50	25	62	23	64	61	81	4.82	— 0.5	11	7,881	se.	36	ne.	29	5	4	22	7.4	
Port Eads	.....	27	....	.....	.....	.....	66.4	+ 4.6	78	*	73	50	*	59	20	....	....	....	2.43	— 1.3	5	.....	se.	....	.....	...	4	15	12	....	
West Gulf States.							63.0	+ 4.2											5.59	+ 2.2											
Shreveport	249	77	84	29.68	29.95	— .11	62.8	+ 4.3	86	20	72	38	24	54	33	57	53	76	6.95	+ 2.3	16	6,820	se.	35	se.	28	7	6	18	6.8	
Fort Smith	481	63	72	29.42	29.94	— .10	54.6	+ 3.0	81	30	64	27	14	45	38	48	43	71	5.72	+ 2.5	16	7,130	e.	48	s.	5	14	3	14	5.2	
Little Rock	302	71	79	29.67	29.99	— .09	56.6	+ 3.0	83	30	65	33	14	48	35	50	45	71	10.43	+ 5.2	18	6,907	s.	30	sw.	9	10	5	16	5.9	
Corpus Christi	20	42	50	29.90	29.92	— .13	69.2	+ 5.2	92	21	75	47	25	63	34	65	64	89	1.61	— 0.1	6	10,154	se.	36	se.	28	6	9	16	6.5	
Galveston	42	85	96	29.93	29.97	— .08	66.5	+ 4.0	79	19	71	51	23	62	19	64	62	89	4.59	+ 1.6	16	8,825	s.	48	s.	28	8	6	17	6.5	
Palestine	510	54	61	29.40	29.95	— .12	64.0	+ 4.8	85	20	73	38	24	55	29	57	52	73	8.19	+ 4.2	5	6,698	s.	32	sw.	28	8	6	17	6.7	
San Antonio	704	95	104	29.18	29.92	— .13	67.6	+ 5.4	92	30	78	38	24	57	37	59	53	69	1.65	— 0.4	8	7,308	se.	42	nw.	28	9	9	13	5.7	
Ohio Val. & Tenn.							48.8	+ 3.9											7.50	+ 3.2											
Chattanooga	762	106	112	29.28	30.10	+ .02	53.9	+ 2.9	80	20	62	32	28	46	28	48	43	73	11.22	+ 5.2	19	6,984	s.	40	s.	13	4	12	15	7.0	
Knoxville	980	80	88	29.04	30.09	.00	53.1	+ 4.8	82	21	62	28	28	44	30	48	43	75	9.59	+ 4.2	16	5,109	w.	36	w.	5	5	6	20	7.4	T.
Memphis	399	140	154	29.58	30.02	— .05	55.4	+ 2.9	80	31	64	34	15	47	33	50	46	74	10.04	+ 4.2	20	9,896	se.	41	w.	5	11	6	14	5.6	
Nashville	545	128	134	29.46	30.05	— .01	53.6	+ 4.6	82	20	63	32	27	44	35	47	41	69	8.49	+ 3.3	18	7,526	s.	39	sw.	22	7	9	15	6.2	0.1
Lexington	989	75	123	28.98	30.05	.00	47.6	+ 3.2	76	22	56	22	27	39	32	42	36	69	6.55	+ 1.8	18	11,496	sw.	50	sw.	5	3	13	15	7.3	T.
Louisville	525	114	136	29.47	30.06	— .01	48.8	+ 2.9	77	21	58	27	27	40	33	43	37	69	7.95	+ 3.9	16	8,047	s.	38	sw.	24	8	5	18	6.8	T.
Indianapolis	823	154	164	29.15	30.05	+ .01	42.9	+ 3.0	65	22	51	24	15	34	28	39	34	73	5.85	+ 2.3	17	9,648	nw.	45	w.	14	7	10	14	6.4	1.4
Cincinnati	628	152	157	29.38	30.07	+ .01	46.4	+ 3.6	73	22	55	25	27	38	30	41	35	67	9.89	+ 6.6	15	7,317	e.	36	w.	24	7	11	13	6.5	0.1
Columbus	824	87	100	29.16	30.06	+ .02	43.1	+ 4.3	73	22	52	24	15	34	30	40	35	77	5.45	+ 2.5	13	7,188	w.	34	w.	14	6	10	15	7.0	1.2
Pittsburg	842	116	126	29.16	30.08	+ .04	44.6	+ 5.3	70	22	54	24	7	35	31	40	36	75	3.50	+ 0.8	18	5,778	w.	43	s.	14	6	11	14	6.6	2.2
Parkersburg	638	77	84	29.38	30.09	.00	47.1	+ 5.8	74	5	57	28	16	37	35	42	38	77	3.99	+ 0.7	17	5,598	n.	38	w.	20	7	8	16	6.8	1.1
Lower Lake Region.							35.7	+ 3.4											3.19	+ 0.6											
Buffalo	768	178	206	29.19	30.06	+ .06	34.4	+ 4.6	57	30	42	4	1	27	36	31	26	73	3.54	+ 1.0	14	13,409	w.	76	w.	12	9	12	10	6.1	4.1
Oswego	335	76	87	29.66	30.05	+ .05	32.8	+ 3.1	56	20	40	0	1	26	36	30	26	79	4.19	+ 1.6	18	10,505	se.	44	sw.	14	8	6	17	6.6	7.6
Rochester	523	81	90	29.46	30.05	+ .05	35.1	+ 4.9	63	20	43	3	1	27	36	31	26	73	3.14	+ 0.3	20	7,594	sw.	47	sw.	12	8	12	11	5.8	8.1
Erie	714	92	102	29.26	30.05	+ .04	36.4	+ 3.4	60	20	44	7	1	29	35	33	29	79	2.79	0.0	17	10,571	w.	54	s.	14	6	8	17	6.6	1.5
Cleveland	762	190	201	29.20	30.04	.00	38.0	+ 4.7	62	19	46	18	7	30	27	35	31	79	2.47	— 0.3	18	12,512	ne.	56	w.	14	10	8	13	5.8	2.6
Sandusky	629	62	74	29.35	30.05	+ .01	37.6	+ 3.3	64	18	45	20	1	31	29	34	30	75	2.41	— 0.1	16	8,804	e.	44	nw.	24	6	8	17	6.8	2.5
Toledo	674	122	127	29.30	30.05	+ .03	36.9	+ 2.1	64	18	45	17	27	29	28	33	30	80	3.25	+ 1.2	18	8,029	e.	36	w.	12	8	7	16	6.4	5.5
Detroit	730	160	166	29.24	30.06	+ .04	34.6	+ 0.7	57	18	42	14	7	27	27	32	28	80	3.70	+ 1.4	16	8,319	ne.	48	sw.	12	10	8	13	6.1	10.4
Upper Lake Region.							28.0	+ 1.1											3.04	+ 1.0											
Alpena	609	61	65	29.38	30.07	+ .05	27.2	+ 3.6	52	18	34	— 3	16	21	29	25	22	81	2.11	+ 0.2	12	7,802	nw.	36	ne.	12	9	11	11	5.9	16.3
Grand Haven	628	55	64	29.33	30.04	+ .02	32.3	+ 1.1	65	30	40	5	16	25	28	29	26	84	3.21	+ 0.9	16	8,561	e.	39	sw.	12	6	7	18	7.0	10.3
Marquette	734	67	95	29.22	30.06	+ .02	24.3	+ 1.9	49	29	31	— 2	15	17	31	22	20	84	4.29	+ 2.4	13	7,016	nw.	38	s.	17	3	9	19	7.4	39.8
Port Huron	639	70	108	29.35	30.07	+ .05	31.8	+ 2.9	55	21	38	8	1	25	28	30	27	82	3.42	+ 0.8	18	9,244	nw.	52	sw.	12	8	9	14	5.8	5.5
Sault Ste. Marie	624	58	65	29.36	30.07	+ .03	21.7	— 0.3	55	30	30	—14	16	13	38	20	16	82	2.10	+ 0.9	12	7,206	nw.	36	nw.	14	8	8	15	6.5	17.8
Chicago	824	241	274	29.13	30.05	+ .01	34.7	+ 0.4	58	29	41	17	14	28	23	32	29	83	3.56	+ 1.1	16	14,416	se.	49	e.	31	12	7	12	5.4	11.2
Milwaukee	671	106	149	29.30	30.06	+ .03	31.2	+ 1.0	55	30	37	9	4	26	26	29	26	83	4.83	+ 2.4	15	8,569	w.	35	sw.	12	6	5	20	7.3	14.4
Greenbay	617	49	57	29.39	30.09	+ .04	26.7	+ 1.2	55	31	35	— 4	16	19	34	23	19	76	2.52	+ 0.4	13	6,125	n.	32	nw.	12	11	11	9	5.4	11.1
Duluth	702	95	106	29.28	30.09	+ .04	21.8	— 2.1	42	21	29	—11	15	15	30	20	16	80	1.34	— 0.3	13	7,703	ne.	40	ne.	19	11	10	10	5.1	13.9
North Dakota.							11.6	—11.6											1.45	+ 0.6											
Moorhead	935	54	60	29.02	30.12	+ .02	15.2	— 5.3	54	31	24	—32	15	6	40	14	12	90	1.34	+ 0.5	13	8,558	nw.	36	se.	4	12	5	14	5.3	7.3
Bismarck	1,674	16	29	28.21	30.13	+ .03	11.8	—12.4	48	29	21	—36	15	2	39	10	5	72	0.91	— 0.2	9	6,610	nw.	35	n.	5	18	6	7	4.6	7.6
Williston	1,875	15	31	27.97	30.13	+ .05	7.8	—17.1	47	29	18	—35	14	— 2	53	7	4	83	2.10	+ 1.6	9	5,757	n.	36	n.	30	16	9	6	4.2	15.2
Upper Miss. Valley.							35.5	— 0.5											4.02	+ 1.8											
Minneapolis	.....	99	...	.....	.....	.....	24.7	— 4.8	61	30	32	—10	14	17	34	....	....	....	3.05	+ 1.5	12	.....	nw.	....	.....	...	8	10	13	...	16.0
St. Paul	837	114	124	29.12	30.08	+ .02	24.2	— 4.3	60	30	32	— 9	14	17	42	22	18	79	2.95	+ 1.5	12	6,034	nw.	30	ne.	31	8	7	16	6.3	15.1
La Crosse	.....	70	78	.....	.....	.....	27.2	— 3.5	65	29	36	0	*	18	40	....	....	....	1.61	0.0	15	5,495	n.	30	ne.	31	9	8	14	6.1	6.7
Davenport	599	71	79	29.34	30.01	— .05	35.2	+ 0.3	64	19	43	6	14	28	26	32	28	79	2.82	+ 0.7	11	7,308	e.	38	ne.	31	6	4	21	7.0	10.1
Des Moines	867	84	88	29.08	30.05	— .01	34.8	— 0.2	60	17	43	— 2	14	26	28	31	27	74	2.13	+ 0.7	11	7,455	se.	36	e.	31	10	4	17	6.3	6.1
Dubuque	698	49	56	29.26	30.05	+ .01	32.5	— 0.7	60	29	40	7	14	26	27	29	25	78	2.97	+ 0.7	14	6,040	nw.	30	e.	31	11	5	15	5.8	5.1
Keokuk	614	64	78	29.33	30.01	— .03	38.6	+ 0.7	71	19	46	6	14	31	29	35	32	79	4.16	+ 2.0	14	6,671	nw.	37	nw.	12	7	10	14	6.3	3.8
Cairo	359	87	93	29.61	30.01	— .03	50.6	— 3.5	76	21	58	31	14	43	28	45	41	73	7.50	+ 3.7	18	9,082	s.	56	s.	5	3	12	16	6.9	T.

TABLE I.—*Climatological data for Weather Bureau Stations, March*, 1897—Continued.

Stations.	Elevation of instruments.			Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.									Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Precipitation, in inches.			Wind.					Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.
	Barometer above sea level, feet.	Thermometers above ground.	Anemometers above ground.	Mean actual, 8 a. m. and 8 p. m. ÷ 2.	Mean reduced.	Departure from normal.	Mean max. and min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.				Total.	Departure from normal.	Days with .01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Direction.	Date.					
Up. Miss. Val.—Con																															
Springfield, Ill.	644	82	92	29.31	30.02	— .04	41.0	+ 1.1	74	19	48	16	14	34	29	37	32	74	4.47	+ 1.8	17	8,340	se.	36	e.	31	6	5	20	7.5	0.4
Hannibal	534	75	107	.....	.....	.....	41.7	.....	74	19	50	11	14	33	29	....	....	....	4.30	+ 2.1	14	7,854	nw.	34	e.	31	9	7	15	6.3	0.3
St. Louis	567	111	210	29.40	30.03	— .03	46.6	+ 2.8	76	19	55	20	14	39	30	42	38	77	8.25	+ 4.8	15	8,458	e.	38	w.	14	8	6	17	6.8	T.
Missouri Valley.							34.7	— 1.8											2.70	+ 0.9											
Columbia	.....	4	84	.....	.....	.....	44.8	+ 3.7	72	30	55	10	14	34	33	....	....	....	5.33	+ 2.4	17	8,603	se.	35	e.	31	7	6	18	7.1	0.4
Kansas City	963	78	95	28.94	30.00	— .07	42.2	— 0.1	76	*	52	6	14	33	33	37	34	75	2.37	+ 0.2	10	6,937	se.	27	nw.	12	8	12	11	5.7	1.2
Springfield, Mo.	1,334	100	108	28.53	29.96	— .09	47.0	+ 2.0	76	21	56	14	14	38	29	42	37	75	5.91	+ 2.6	14	10,209	se.	40	se.	29	8	12	11	5.8	T.
Topeka	.....	81	....	.....	.....	.....	43.4	+ 1.4	78	30	54	4	14	33	35	....	....	....	2.32	+ 0.2	11	.....	s.	....	.....	...	8	15	8	....	2.3
Lincoln	1,199	74	84	28.68	29.99	.....	35.6	— 2.3	69	28	45	— 5	14	26	40	32	29	81	1.48	+ 0.2	10	9,509	se.	44	se.	31	6	14	11	6.0	2.8
Omaha	1,108	92	97	28.79	30.02	— .07	34.6	— 1.9	66	17	44	— 3	14	26	32	32	30	83	1.47	0.0	12	7,100	se.	38	e.	18	5	12	14	6.8	1.8
Sioux City	1,139	96	109	.....	.....	.....	28.8	— 2.0	60	30	39	— 6	14	19	43	....	....	....	1.71	+ 0.4	9	10,649	nw.	48	e.	31	8	6	17	6.6	1.8
Pierre	1,460	50	61	28.40	30.05	— .04	23.6	— 6.7	64	28	31	—15	14	16	37	21	18	85	2.49	+ 1.6	9	7,696	se.	47	e.	31	7	13	11	5.8	10.7
Huron	1,310	63	72	28.60	30.08	— .02	19.5[d]	— 9.5	52[d]	29	29[d]	—25[e]	14	10[e]	40[d]	17[d]	13[d]	81[d]	1.53	+ 0.6	11	8,472[s]	se.	48	se.	16	4	13	14	6.6	4.0
Yankton	1,234	51	57	28.66	30.04	— .05	27.8	— 2.8	58	29	36	— 8	14	19	39	....	....	....	2.37	+ 1.2	9	7,676	nw.	36	nw.	11	11	6	14	6.0	3.7
Northern Slope.							24.1	— 9.0											1.60	+ 0.8											
Havre	2,494	15	33	27.26	30.07	+ .02	10.9	—19.0	46	28	22	—41	13	0	57	10	7	87	0.43	— 0.1	7	6,602	ne.	38	sw.	2	9	14	8	5.1	3.9
Miles City	2,372	41	49	27.43	30.09	+ .01	15.4	—16.0	53	29	25	—26	13	6	39	14	10	80	3.50	+ 3.0	15	4,528	ne.	30	n.	30	9	12	10	5.6	23.8
Helena	4,108	88	93	25.69	30.09	+ .03	21.4	—12.6	56	25	29	—14	13	14	24	18	12	67	1.23	+ 0.6	8	4,386	w.	35	w.	29	8	11	12	5.7	12.1
Rapid City	3,251	53	61	26.48	30.00	— .10	27.4	— 4.3	71	28	39	—13	13	16	44	23	19	79	1.69	+ 0.6	10	5,701	nw.	36	nw.	31	5	10	16	6.7	10.1
Cheyenne	6,105	58	60	23.79	30.04	— .04	29.1	— 5.9	62	26	40	0	13	19	34	24	12	55	2.32	+ 1.6	8	9,412	nw.	48	nw.	31	11	14	6	5.1	22.8
Lander	5,372	26	36	24.44	29.99	— .09	28.6	— 3.9	61	26	41	— 8	13	16	41	23	12	55	1.38	0.0	6	4,395	sw.	28	w.	5	6	18	7	5.9	13.8
North Platte	2,826	43	52	26.97	30.01	— .08	35.6	— 1.4	68	30	47	5	14	24	38	30	26	74	0.66	— 0.1	9	7,829	se.	40	nw.	11	11	9	11	5.8	3.0
Middle Slope.							42.5	— 0.8											1.83	+ 0.3											
Denver	5,290	83	151	24.52	29.98	— .08	35.7	— 4.4	69	28	47	5	23	24	40	28	17	53	0.90	— 0.1	9	6,546	s.	38	nw.	31	8	12	11	5.7	12.1
Pueblo	4,713	74	81	25.07	29.90	— .09	39.6	— 2.4	72	27	54	10	14	25	43	30	12	44	0.32	— 0.2	5	7,096	n.	54	nw.	31	11	14	6	4.7	2.6
Concordia	1,398	42	47	28.44	29.97	— .14	41.0	+ 1.5	79	18	52	4	14	30	41	34	28	69	1.44	— 0.3	9	6,727	n.	28	ne.	21	13	7	11	5.1	3.5
Dodge City	2,504	44	52	27.27	29.94	— .09	42.6	— 0.6	81	26	56	11	14	30	47	35	28	68	0.26	— 0.7	10	9,682	se.	51	sw.	30	17	8	6	4.2	1.3
Wichita	1,351	78	85	28.48	29.95	— .08	45.7	+ 1.2	82	26	57	11	14	34	43	39	33	71	3.34	+ 1.4	12	7,928	n.	32	sw.	30	15	9	7	4.7	0.2
Oklahoma	1,218	54	53	28.62	29.94	— .11	50.4	— 0.1	84	27	61	18	14	40	35	45	41	77	4.71	+ 1.6	12	7,433	sw.	32	s.	30	14	7	10	5.0	
Southern Slope.							51.4	+ 0.8											2.24	+ 1.4											
Abilene	1,749	47	54	28.10	29.94	— .11	57.6	+ 1.6	82	26	69	26	14	46	34	46	40	63	4.02	+ 2.8	11	7,527	se.	45	w.	28	14	8	9	4.7	
Amarillo	3,691	53	61	26.11	29.94	— .10	45.2	— 0.1	80	27	58	13	14	32	42	36	24	55	0.47	0.0	7	13,746	s.	64	sw.	30	10	15	6	4.7	T.
Southern Plateau.							51.2	— 4.4											0.78	+ 0.2											
El Paso	3,767	10	110	26.08	29.92	— .07	55.2	— 1.1	79	26	70	24	23	40	43	39	9	23	0.05	— 0.4	1	11,848	nw.	60	sw.	4	16	11	4	3.2	
Santa Fe	6,998	47	50	23.10	29.95	— .07	36.7	— 3.3	61	28	47	5	23	26	30	29	13	46	2.06	+ 1.4	8	6,407	sw.	35	sw.	29	19	7	5	3.7	10.0
Phœnix	1,076	47	57	28.78	29.93	.....	54.3	— 6.7	84	26	67	31	23	41	38	44	31	47	0.53	— 0.2	5	3,620	e.	26	nw.	29	20	8	3	2.3	
Yuma	139	16	50	29.80	29.95	— .04	58.4	— 6.7	86	25	70	39	30	46	38	46	31	41	0.48	+ 0.2	3	6,639	nw.	41	w.	29	24	7	1	1.7	
Middle Plateau.							33.1	— 8.5											1.73	+ 0.3											
Carson City	4,720	47	....	25.14	30.03	.....	33.9	— 8.3	65	24	44	10	8	24	34	29	21	61	2.78	+ 1.4	10	6,691	sw.	54	sw.	18	13	10	8	5.0	24.7
Winnemucca	4,340	59	70	25.55	30.04	— .02	31.8	— 8.9	61	25	40	12	22	24	35	28	20	60	0.32	— 0.6	10	9,005	sw.	66	sw.	28	5	8	18	7.1	2.1
Salt Lake City	4,344	83	90	25.53	30.06	— .04	33.6	— 8.4	62	25	41	10	13	26	25	31	26	72	2.20	+ 0.2	11	5,490	se.	38	w.	28	3	9	19	8.0	12.9
Northern Plateau.							31.0	— 6.6											2.70	+ 1.0											
Baker City	3,470	49	47	26.29	30.01	— .05	28.8	— 6.1	54	25	36	0	13	21	27	25	19	67	2.08	+ 0.3	21	4,753	s.	26	s.	25	3	10	18	7.6	13.4
Idaho Falls	4,742	10	56	25.10	30.10	+ .02	22.8	— 7.2	48	25	32	—16	13	14	38	21	19	82	3.84	+ 2.1	21	8,955	s.	43	s.	10	9	7	15	6.0	34.1
Spokane	1,943	99	107	27.80	29.93	— .09	32.8	— 6.9	56	24	40	3	13	26	30	30	24	72	2.50	+ 1.1	18	5,181	s.	26	sw.	25	8	6	17	6.6	16.4
Walla Walla	1,018	65	73	28.83	29.95	— .10	39.6	— 6.3	65	25	47	16	12	32	25	37	33	79	2.38	+ 0.6	13	6,130	s.	31	sw.	25	7	16	8	5.8	5.0
N. Pac. Coast Reg.							40.2	— 5.6											7.65	+ 1.7											
Fort Canby	179	10	34	29.68	29.88	— .15	40.9	— 4.5	51	1	45	26	12	36	14	40	38	88	9.15	+ 2.7	26	12,424	w.	95	s.	25	2	10	19	7.5	3.0
Port Angeles	29	47	61	.....	.....	.....	38.2	— 3.5	55	27	44	19	12	32	19	...	....	....	2.40	+ 0.2	19	4,660	w.	30	sw.	28	3	19	9	6.5	4.5
Pysht	.....	5	....	.....	.....	.....	38.2	.....	53	24	45	26	30	32	20	...	....	....	7.86	+ 0.4	26	.....	e.	....	.....	...	8	2	21	....	8.0
Seattle	119	100	108	29.77	29.90	.....	40.2	.....	55	25	46	20	12	35	21	37	32	75	3.05	.....	19	5,786	se.	40	s.	25	6	14	11	6.4	4.4
Tatoosh Island	86	12	21	29.77	29.87	— .15	39.0	— 5.1	50	1	43	25	12	35	11	37	32	74	11.31	+ 2.2	25	11,912	e.	60	nw.	10	4	9	18	7.1	8.5
Astoria	.....	39	60	.....	.....	.....	41.6	— 5.0	56	25	47	24	12	36	19	....	....	....	11.88	+ 4.8	24	.....	w.	....	.....	...	3	8	20	....	3.8
Portland, Oreg.	153	203	213	29.77	29.94	— .10	40.5	— 8.0	56	25	46	23	12	35	21	38	34	78	4.00	— 1.5	24	8,356	s.	55	s.	25	1	16	14	6.9	5.0
Roseburg	521	56	67	29.41	29.99	— .08	41.0	— 7.7	58	23	47	28	30	35	21	38	35	81	6.92	+ 3.4	26	3,580	sw.	30	sw.	25	2	8	21	8.1	3.5
Mid. Pac. C'st Reg.							47.6	— 5.3											4.96	+ 0.9											
Eureka	64	60	69	30.02	30.08	+ .01	45.2	— 3.5	62	23	52	30	21	38	23	42	39	81	9.85	+ 3.4	26	6,276	nw.	45	w.	28	4	17	10	6.4	0.5
Redbluff	334	54	58	29.67	30.03	— .01	47.9	— 7.2	67	24	56	32	29	40	27	41	33	61	1.99	— 1.3	13	6,669	se.	36	se.	27	10	9	12	5.7	
Sacramento	71	106	117	.....	.....	.....	49.4	— 6.4	70	24	57	36	29	42	25	....	....	....	2.54	— 0.4	13	8,026	sw.	42	se.	28	10	13	8	5.2	
San Francisco	158	161	167	29.92	30.08	.00	48.9	— 5.6	63	15	54	39	29	44	15	44	40	74	4.56	+ 1.5	15	8,388	w.	36	sw.	28	13	8	10	4.6	
Point Reyes Light	.....	12	....	.....	.....	.....	46.8	— 3.8	54	17	51	35	29	43	14	....	....	....	5.87	+ 1.4	17	.....	nw.	....	.....	...	13	9	9	....	
S. Pac. Coast Reg.							51.9	— 4.5											1.85	— 0.1											
Fresno	332	67	70	29.69	30.05	+ .02	48.6	— 6.6	71	25	58	31	21	39	28	43	36	68	1.64	+ 0.3	10	4,624	nw.	33	sw.	6	19	6	6	3.4	
Los Angeles	330	74	76	29.68	30.04	— .01	53.0	— 4.1	78	24	62	38	21	44	31	47	43	74	2.31	— 0.7	7	3,977	sw.	22	nw.	29	11	13	7	4.3	
San Diego	69	59	70	29.97	30.05	— .02	54.2	— 2.8	70	24	60	40	30	48	26	48	43	71	1.53	0.0	8	4,527	nw.	24	nw.	29	18	4	9	4.3	
San Luis Obispo	201	10	46	29.88	30.10	.....	50.6	.....	78	24	62	34	17	40	36	44	38	68	3.17	.....	13	4,699	w.	24	s.	6	18	8	5	3.8	

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

TABLE II.—*Meteorological record of voluntary and other cooperating observers, March, 1897.*

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Alabama.	°	°	°	*Ins.*	*Ins.*
Alco†	85	32	66.8	5.14	
Ashville†	82	29	55.7	7.42	
Bermuda†	86	31	65.9	5.76	
Birmingham	85	36	61.0	6.98	
Brewton†	84	44	67.5	4.75	
Bridgeport†	.....	.....	.....	13.17	
Citronelle†	82	41	67.0	7.39	
Claiborne Landing†	.....	.....	.....	7.10	
Clanton†	80	34	60.7	7.57	
Cordova†	.....	.....	.....	10.27	
Daphne†	86	39	66.6	10.03	
Decatur†	81	28	55.4	15.81	
Demopolis	86	40	62.8	7.10	
Elba†	89	31	65.4	11.63	
Eufaula *a*†	85	39	63.4	11.29	
Eufaula *c*†	.....	.....	.....	9.73	
Evergreen†	83	30	62.9	8.79	
Florence *a*†	.....	.....	.....	17.89	
Florence *b*†	80	34	56.6	16.15	
Fort Deposit †[6]	84	30	60.6	8.80	
Gadsden	80	31	57.3	8.15	
Goodwater†	83	22	58.6	8.38	
Greensboro†	84	38	60.9	6.54	
Hamilton	81	30	55.9	15.48	
Healing Springs†	87	30	62.7	5.95	
Highland Home†	85	39	63.8	8.12	
Jasper†	80	29	57.2	14.35	
Livingston	84	36	62.8	4.29	
Lock No. 4	82	25	57.0	8.23	
Madison Station†	81	25	54.4	13.68	
Marion†	83	37	60.4	8.83	
Mount Willing†	85	38	62.6	12.17	
Newbern†	83	36	61.8	7.53	
Newburg	83	29	56.1	20.83	
Newton†	85	34	62.2	14.51	
Oneonto	.....	.....	.....	10.23	
Opelika†	82	29	59.2	9.09	
Oxanna†	78	30	56.4	8.65	
Pineapple	85	32	63.3	6.03	
Pushmataha†	86	36	63.9	9.75	
Rockmills†	85	30	59.6	7.71	
Scottsboro†	82	27	55.0	13.47	
Selma†	83	28	62.0	13.43	
Sturdevant†	.....	.....	.....	6.59	
Talladega*[1]	80	36	58.7	8.97	
Tallassee†	.....	.....	.....	11.25	
Thomasville	85	35	63.4	12.33	
Tuscaloosa†	82	33	60.2	5.63	
Union†	84	34	60.3	5.84	
Union Springs†	81	37	62.4	12.94	
Uniontown†	87	37	62.7	9.11	
Valleyhead	80	28	56.1	13.73	
Warrior†	.....	.....	.....	8.92	
Wetumpka	82	34	62.2	14.02	
Wilsonville†	.....	.....	.....	6.78	
Alaska.					
Killisnoo	45	4	29.8	2.70	14.0
Arizona.					
Arizona Canal Co. Dam[7]	83	31	54.6	0.21	
Benson*[8]	77	32	51.8	0.65	
Bisbee†	71	25	50.0	0.10	
Buckeye†	94	26	56.4	0.20	
Buttes	.....	.....	.....	1.03	
Calabasas	74	27	48.4	0.23	
Casa Grande*[8]	80	40	57.6	0.00	
Congress	73	29	50.6	0.85	T.
Dragoon	.....	.....	.....	0.32	
Dragoon Summit	.....	.....	.....	0.10	
Dudleyville	80	21	52.0	1.07	
Eagle Pass*[3]	.....	16	40.0	0.45	0.5
Farleys Camp†	77	26	52.0	0.50	
Flagstaff†	60	10	34.9	1.60	16.0
Fort Apache	70	13	40.7	1.79	
Fort Grant†	74	22	49.4	0.27	
Fort Huachuca†	73	27	49.4	0.83	
Fort Mohave	90	33	57.2	0.26	
Gilabend *a**[8]	84	37	57.9	0.40	
Gisela†	82	20	48.6	1.83	
Glendale	81	25	51.5	0.39	
Holbrook†	72	14	41.2	0.48	
Ingleside	82	27	53.5	0.15	
Lochiel*[1]	71	28	48.4	0.28	
Maricopa*[8]	88	41	67.7	0.00	
Mesa†	84	27	53.2	0.72	
Mount Huachuca	70	23	48.8	1.08	
Natural Bridge	.....	.....	.....	1.57	0.5
Oracle†	73	25	48.6	1.55	
Oro Blanco	73	25	50.8	0.67	
Pantano*[8]	71	30	50.7	T.	
Parker	90	26	56.6	0.19	
Payson	.....	.....	.....	2.66	1.0
Peoria†	71	30	51.8	0.40	
Phœnix	83	26	53.4	0.49	
Pinal Ranch	.....	.....	.....	3.09	
Reymert†	83	26	54.9	1.64	
St. Helena Ranch	.....	.....	.....	0.42	
Arizona—Cont'd.					
San Carlos†	80	22	50.2	0.77	
San Simon*[8]	82	20	51.5	0.00	
Showlow	.....	.....	.....	1.31	.....
Signal†	79	26	51.8	0.30	
Sulphur Spring Valley†	.....	.....	.....	0.27	0.5
Texas Hill*[8]	88	40	56.5	0.18	
Tombstone	75	26	51.2	0.25	
Tucson *c*†	80	22	54.0	0.13	
Walnut Grove	.....	.....	.....	0.06	
Walnut Ranch*†[1]	68	23	45.4	0.46	
Whipple Barracks†	71	12	37.4	1.21	4.0
Willcox*[8]	73	35	51.2	0.29	
Arkansas.					
Amity	82	30[d]	57.4	12.09	
Arkansas City†	.....	.....	.....	7.07	
Beebranch†[5]	80	26	54.6	7.92	
Blackton	.....	.....	.....	16.90	
Blanchard Springs†	86	30	61.2	.....	
Brinkley	84	32	56.2	13.05	
Camden *a*†	.....	.....	.....	8.04	
Camden *b*†	85	27	58.4	8.48	
Canton*[1]	78	28	52.8	.....	
Conway	85	29	57.4	8.53	
Corning†	80	29	52.4	8.21	
Dallas	80	28	55.6	11.29	
Dardanelle	.....	.....	.....	8.15	
Elon†	88	29	61.8	7.97	
Fayetteville†	76	18	52.2	5.40	
Forrest	82	31	55.7	13.78	
Fulton†	.....	.....	.....	7.29	
Helena *a*†	.....	.....	.....	13.86	
Hot Springs *a*	84	30	56.9	12.58	
Hot Springs (near)	.....	.....	.....	13.31	
Jonesboro	85	30	54.2	8.28	T.
Keesees Ferry†	84	20	53.2	7.28	
Lacrosse†	79	20	49.8	7.59	
Lonoke*[1]	81	33	57.7	12.18	
Luna Landing*[6]	80	42	59.7	9.02	
Lutherville*[1]	84	26	57.2	.....	
Malvern†	85	28	58.5	10.28	
Marianna*[1]	80	28	58.4	.....	
Marvell	82	37	57.9	12.76	
Moore	.....	.....	.....	17.04	
Mossville	72	19	50.2	12.68	
Mount Nebo†	77	24	52.2	9.07	
New Gascony*[1]	78	38	58.6	8.89	T.
Newport *a*†	.....	.....	.....	8.81	
Newport *b*†	80	29	54.4	9.09	
Newport *c*†	81	31	55.8	8.50	
Oregon*[1]	78	18	48.7	.....	
Osceola†	78	35	54.2	9.70	
Ozark†	82	27	55.4	9.28	
Picayune†	83	32	60.4	8.28	
Pinebluff†	87	35	60.8	11.33	
Pocahontas†	80	29	51.2	7.62	
Rison	85	33	57.6	.....	
Russellville	82	30	56.0	7.60	
Silver Springs†	77	13	49.8	5.63	
Stuttgart†	81	34	56.8	8.91	
Texarkana†	88	31	60.4	4.93	
Warren†	87	31	58.8	8.57	
Washington*†[1]	85	34	59.4	7.28	
Wiggs*[1]	84	28	58.9	14.65	
Witts Springs†	75	20	50.2	7.93	
California.					
Adin	56	11	32.8	1.98	5.2
Agnew	66	30	48.9	3.38	
Arlington Heights	80	28	51.2	1.28	
Athlone*[5]	68	20	49.3	2.08	
Azusa	.....	.....	.....	8.25	
Ballast Point L. H	.....	.....	.....	1.99	
Barstow†	70	38	53.6	0.11	
Bear Valley†	.....	.....	.....	19.12	160.0
Berkeley	62	35	47.7	5.97	
Bishop†	70	15	39.6	1.75	16.6
Bishop Creek*[8]	77	26	44.8	0.90	7.0
Boca*[8]	59	—16	24.1	8.35	83.5
Bodie†	42	—14	17.4	3.40	25.0
Bowmans Dam*†[1]	60	11	29.6	18.94	127.0
Caliente*[8]	67	35	49.5	2.41	
Calloway Canal†	.....	.....	.....	0.91	
Campbell	67	29	47.2	8.22	
Cape Mendocino L. H	.....	.....	.....	7.12	
Castle Pinckney*[1]	76	44	53.1	3.98	
Cedarville†	54	10	30.8	1.90	30.5
Centerville*[1]	71	42	51.9	4.98	
Chico*[8]	75	33	52.0	1.44	
Chino*†[6]	75	34	49.3	3.48	
Cisco*[8]	40	6	24.2	.....	152.0
Claremont†	73	28	48.3	4.37	
Corning*[3]	69	31	46.2	1.90	
Coronado	75	44	59.9	1.53	
Craftonville	76	30	48.8	2.82	
Crescent City†	55	30	43.6	12.87	2.0
Crescent City L. H	.....	.....	.....	12.34	
Daunt	.....	.....	.....	6.07	1.0
California—Cont'd.					
Davisville *b*	82	35	56.0	2.97	
Delano*[8]	75	33	50.1	0.87	
Delta*[8]	66	27	40.8	5.33	7.0
Descanso*[5]	66	20	42.0	5.21	
Drytown	71	25	45.6	5.45	
Dunnigan*[8]	66	34	50.4	1.52	
Durham*[1]	65	27	43.0	2.16	
East Brother L. H	.....	.....	.....	3.85	
Edgwood*[3]	58	16	37.6	2.35	5.0
Edmanton*[1]	53	9	29.8	12.07	85.0
Escondido	77	23	50.2	.....	
Fallbrook*[1]	80	37	49.8	4.37	
Famosa†	63	32	46.5	1.05	
Folsom City *b*[1]	73	35	49.2	5.26	
Fordyce Dam†	.....	.....	.....	12.55	109.0
Fort Bragg†	.....	.....	.....	6.27	
Fort Ross	61	32	47.4	10.95	
Fort Tejon	.....	.....	.....	3.63	13.0
Georgetown†	64	23	39.9	13.65	30.0
Glendora	.....	.....	.....	4.60	
Goshen*[8]	74	28	47.9	1.75	
Grand Island*[5]	71	34	50.6	1.03	
Grass Valley	.....	.....	.....	8.72	7.0
Greenville†	61	5	34.4	6.83	33.5
Guinda	.....	.....	.....	2.11	
Healdsburg*[1]	68	32	46.0	5.22	
Hollister	73	29	47.6	3.38	
Hueneme	.....	.....	.....	1.90	
Humboldt L. H	.....	.....	.....	8.06	
Hydesville	66	28	43.7	8.03	T.
Indio*[8]	85	35	62.7	.....	
Iowa Hill*[1]	64	27	39.3	11.33	21.0
Jackson	58	22	37.9	7.66	
Jolon	.....	.....	.....	3.54	
Keeler*[8]	77	36	50.4	0.13	
Keene*[8]	65	30	42.8	3.27	1.0
Kennedy Gold Mine	68	27	44.4	7.02	
Kernville	.....	.....	.....	2.57	
King City*[3]	64	32	49.5	2.20	
Kingsburg*[8]	70	35	51.0	1.35	
Kono Tayee	65	31	45.2	3.76	
Lagrange*[5]	71	30	49.7	3.84	
Laporte*†[1]	56	12	29.0	13.51	111.0
Las Fuentes Ranch	.....	.....	.....	3.12	
Lemoore *a*[8]	72	31	61.9	0.99	
Lime Kiln	75	28	49.5	.....	
Lime Point L. H	.....	.....	.....	4.19	
Lodi	71	30	48.4	3.88	
Los Alamos†	.....	.....	.....	2.89	
Los Gatos *b*	65	34	46.7	6.60	
Lytton Springs	70	35	49.0	5.50	
McMullin*[1]	72	30	48.9	.....	
Malakoff Mine*[1]	66	24	38.8	11.15	39.5
Mammoth Tank*[8]	87	47	61.0	T.	
Manzana	68	22	38.0	1.71	
Mare Island L. H	.....	.....	.....	4.58	
Marysville	72	31	50.1	1.75	
Merced*[8]	70	34	50.6	1.29	
Middletown*†[1]	71	29	42.8	7.54	
Mills College	.....	.....	.....	6.64	
Milton (near)*[1]	75	32	49.9	5.37	
Modesto*[8]	80	35	53.2	1.83	
Mohave*[8]	75	27	45.5	0.82	
Mokelumne Hill*[3]	.....	31	41.2	9.00	
Monterey*[8]	68	36	52.3	3.70	
Morena Dam*[4]	70	21	39.5	3.69	
Mount Breckenridge	.....	.....	.....	3.15	31.5
Mount Glenwood*[1]	70	38	49.3	3.96	
Mutah Flat†	.....	.....	.....	3.59	15.0
Needles	86	38	59.7	0.00	
Nevada City†	63	23	39.0	9.13	18.0
Newcastle *a*†	66	28	44.2	5.14	
Newhall*[8]	80	29	50.4	3.32	
Nordhoff†	80	25	49.2	2.91	
North Ontario	72	32	49.0	5.29	
North San Juan*[1]	70	24	45.1	7.88	9.5
Oakland *a*	64	36	48.6	6.00	
Ogilby*[8]	85	53	63.4	0.00	
Oleta*[1]	62	30	42.4	8.13	3.5
Orangevale†	69	30	48.0	4.31	
Orland*[3]	70	32	48.7	1.92	
Oroville *b*	80	31	51.0	2.23	
Otay Dam*[1]	74	45	54.4	0.98	
Palermo†	72	29	49.4	1.92	
Paso Robles *b*	69	33	48.0	2.88	
Peachland*[1]	69	32	46.7	6.62	T.
Picacho	85	42	59.7	1.20	
Piedras Blancas L. H	.....	.....	.....	3.73	
Pigeon Point L. H	.....	.....	.....	3.07	
Pilot Creek	.....	.....	.....	15.20	96.0
Placerville	62	23	40.9	9.49	.....
Point Ano Nuevo L. H	.....	.....	.....	3.46	
Point Arena L. H	.....	.....	.....	6.23	
Point Bonita L. H	.....	.....	.....	6.57	
Point Conception L. H	.....	.....	.....	1.32	
Point Fermin L. H	.....	.....	.....	1.77	

TABLE II.—*Meteorological 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.*
Point George L. H.	.....	.....	.....	4.22	
Point Hueneme L. H.	.....	.....	.....	2.37	
Point Loma L. H.	.....	.....	.....	1.01	
Point Montara L. H.	.....	.....	.....	4.94	
Point Pinos L. H.	.....	.....	.....	4.71	
Point Reyes L. H.	.....	.....	.....	5.71	
Point Sur L. H.	.....	.....	.....	3.64	
Pomona (near)	78	30	52.4	3.34	
Poway *[3]	71	32	47.6	2.89	
Quincy †	60	8	36.4	8.53	30.0
Ravenna *[8]	73	37	50.1	2.90	
Redding *b* †	64	39	46.3	5.29	
Represa	66	30	48.1	4.95	
Riovista	71	32	48.4	4.31	
Roe Island L. H.	.....	.....	.....	1.95	
Roseville (near) *[5]	76	26	46.0	3.39	
Rosewood	66	23	44.2	2.17	T.
Sacramento *a*	73	33	50.9	3.19	
Salinas *[8]	60	35	44.1	3.80	
Salton *[8]	80	48	59.2	0.00	
San Bernardino †	79	30	51.2	3.41	
San Jose *b*	70	26	47.4	3.64	
San Leandro *[1]	70	40	53.2	6.03	
San Louis L. H.	.....	.....	.....	2.77	
San Mateo *[3]	65	39	52.5	6.42	
San Miguel *[8]	71	29	47.8	1.78	
Santa Ana *[5]	83	48	61.1	2.15	
Santa Barbara L. H.	.....	.....	.....	2.52	
Santa Clara *a*	.....	.....	.....	3.51	
Santa Cruz *b* †	70	30	49.2	4.86	
Santa Cruz L. H.	.....	.....	.....	4.80	
Santa Maria	80	36	53.6	2.52	
Santa Monica *[8]	77	45	59.6	1.64	
Santa Paula *b* †	77	29	48.4	3.24	
Santa Rosa *[3]	71	32	47.2	5.50	
Saticoy	.....	.....	.....	2.69	
Shasta	.....	.....	.....	7.18	
Sierra Madre	75	36	51.3	4.08	
Sneddens Ranch * † [1]	62	10	39.1	2.71	9.0
S. E. Farallone L. H.	.....	.....	.....	3.64	
Stanford University	66	33	47.6	4.34	
Stockton *a*	70	32	48.2	2.78	
Summerdale †	49	10	29.3	11.35	83.0
Susanville †	51	12	34.8	2.66	3.5
Sutter Creek * [5]	62	22	38.8	5.15	
Tecarte Dam *[4]	79	20	44.0	2.86	
Tehama *[8]	66	35	51.1	1.91	
Templeton *[8]	68	34	48.1	4.01	
Trinidad L. H.	.....	.....	.....	7.53	
Truckee *[8]	52	—10	25.7	.....	95.0
Tulare *b*	.....	.....	.....	1.51	
Tulare *c*	82	26	50.8	1.29	
Turlock *b* †	72	30	47.2	1.93	
Ukiah †	65	26	44.6	6.87	2.0
Upper Lake	68	25	44.2	4.58	2.0
Upper Mattole *[1]	63	22	45.3	13.29	0.5
Vacaville *a* *[1]	74	37	48.9	5.23	
Ventura †	79	29	49.6	1.77	
Volcano Springs *[8]	98	42	66.0	0.00	
Walnutcreek	72	32	50.2	4.51	
West Palmdale	.....	.....	.....	1.31	
Westpoint †	.....	.....	.....	7.30	9.0
Wheatland †	68	28	47.3	1.78	
Williams *[8]	68	35	49.5	1.48	
Wilmington *[5]	77	43	59.4	.....	
Wire Bridge *[5]	70	29	47.0	7.13	
Yerba Buena L. H.	.....	.....	.....	3.50	
Yreka †	61	16	37.8	2.18	T.
Yuba City *[5]	67	40	53.0	2.10	
Colorado.					
Alma †	.....	.....	.....	2.32	.....
Antlers †	63	2	32.4	3.50	35.2
Arkins	.....	.....	.....	2.32	28.5
Breckenridge †	53	—21	19.2	3.53	35.4
Canyon †	74	10	40.1	0.36	1.5
Castlerock †	69	0	35.0	2.50	23.0
Collbran	.....	.....	.....	1.29	13.0
Colorado Springs †	64	6	34.6	0.48	6.0
Cope †	67	— 1	35.6	2.25	19.9
Cripple Creek †	49	— 6	22.8	1.35	14.9
Delta	70	11	37.1	1.50	.....
Downing †	72	5	38.9	0.20	T.
Dumont †	57	0	27.8	3.00	20.0
Durango	56	6	33.8	2.72	24.0
Fleming	.....	.....	.....	2.80	28.0
Fort Collins †	65	— 7	33.3	2.15	22.0
Fort Morgan	.....	.....	.....	1.51	10.0
Fox	.....	.....	.....	3.22	13.0
Garnett	59	— 2	27.2	0.26	2.5
Gleneyrie †	64	5	34.2	1.18	14.0
Gold Hill	66	— 2	31.8	5.00	50.0
Grand Junction †	64	17	39.0	1.05	4.0
Greeley †	73	— 2	34.8	2.02	.....
Gulch †	52	— 9	24.8	2.92	30.5
Gunnison †	57	—14	25.0	1.30	13.0
Holly	.....	.....	.....	0.15	T.
Colorado—Cont'd.	°	°	°	*Ins.*	*Ins.*
Holyoke *a*	70	0	39.2	3.14	12.5
Husted †	71	3	36.1	2.06	19.5
La Jara	64	10	31.8	.....	.....
Lake Moraine †	50	—11	24.0	2.05	20.5
Lamar †	78	12	41.3	0.38	2.8
Laporte	.....	.....	.....	2.15	20.5
Las Animas †	75	8	38.6	3.60	3.0
Lay †	55	—14	23.4	5.01	50.0
Leadville (near) * † [1]	47	— 8	20.6	2.77	27.8
Leroy †	65	1	33.6	1.66	16.3
Longmont †	70	— 3	34.1	2.40	24.0
Longs Peak	53	—11	22.6	1.96	24.0
Loveland	.....	.....	.....	1.98	18.5
Meeker †	58	—10	28.8	3.11	32.9
Millbrook †	68	— 8	31.4	1.82	16.0
Minneapolis †	76	8	40.8	1.00	6.0
Montrose †	64	5	36.2	3.41	34.1
Moraine †	53	— 9	25.8	1.86	20.5
Pagoda †	56	—16	26.5	4.92	48.5
Paonia †	.....	.....	.....	0.45	4.5
Parachute †	64	— 9	31.4	0.67	6.7
Pinkhamton *[3]	65	— 9	19.8	2.20	22.0
Rangely †	61	— 9	28.5	2.37	23.8
Redcliff	.....	.....	.....	2.23	22.3
Rico †	48	—10	22.6	6.40	64.0
Rockyford †	74	7	39.8	0.20	.....
Ruby	.....	.....	.....	21.00	210.0
Saguache †	55	0	28.4	0.60	6.0
St. Cloud	.....	.....	.....	4.10	41.0
San Luis †	64	— 8	26.8	1.32	13.5
Santa Clara *[1]	59	0	31.0	1.80	18.0
Seibert †	.....	.....	.....	2.00	20.0
Sherwood Ranch	52	—10	22.0	.....	.....
Smoky Hill Mine †	58	— 9	28.0	6.30	63.0
Stamford *[1]	64	— 4	21.4	1.40	14.0
Steamboat Springs †	70	—18	24.8	2.55	25.5
Sulphur Springs †	66	—16	28.8	2.05	25.0
Surface Creek †	68	1	34.8	2.10	18.5
Thon †	72	— 3	34.2	3.88	38.0
T. S. Ranch †	63	10	33.4	1.88	19.0
Twin Lakes	.....	.....	.....	1.38	14.0
Walden	51	—17	22.0	1.99	19.9
Wallet †	.....	.....	.....	2.15	20.0
Wray †	71	9	37.6	1.79	15.3
Yuma	.....	.....	.....	2.80	28.0
Connecticut.					
Bridgeport	62	12	38.0	4.43	4.8
Canton †	60	— 4	34.0	3.41	3.5
Colchester	66	6	36.8	3.26	4.2
Middletown	64	8	37.6	3.83	4.0
New London †	58	10	36.4	2.48	1.8
Norwalk	62	9	37.3	3.74	3.5
Southington *[1]	60	4	35.7	2.55	4.5
Storrs	62	2	34.6	3.66	4.2
Voluntown †	64	4	37.0	3.40	.....
Waterbury	64	7	37.4	2.67	5.5
West Cornwall †	57	1	33.2	2.09	6.4
Windsor	58	5	35.0	3.48	5.3
Delaware.					
Kirkwood *[1d]	64	28	41.1	.....	
Milford	79	24	46.6	2.04	
Millsboro	80	22	46.0	3.33	
Newark	69	20	42.0	2.27	
Seaford †	76	24	46.8	3.25	T.
District of Columbia.					
Distributing Reservoir *[5]	75	30	46.6	3.81	.....
Receiving Reservoir *[5]	74	30	46.2	2.86	.....
West Washington	82	24	45.8	2.83	T.
Florida.					
Amelia †	86	46	65.8	2.98	
Archer †	94	44	70.8	0.79	
Bartow	90	41	72.5	0.46	
Brooksville †	89	46	71.0	0.92	
Clermont †	92	48	73.8	0.45	
De Funiak Springs	82	38	65.8	7.82	
Earnestville †	92	41	72.8	1.04	
Emerson †	92	40	68.8	1.29	
Eustis †	92	36	71.8	1.34	
Federal Point †	89	45	68.4	1.31	
Fort Meade †	90	35	70.3	0.59	
Frostproof †	92	45	74.2	0.39	
Gainesville	90	45	69.0	0.96	
Grasmere †	88	47	71.9	3.29	
Haywood	85	38	65.7	6.94	
Huntington	89	48	71.4	0.52	
Kissimmee	.....	48	.....	0.28	
Lake Butler †	88	48	68.0	2.89	
Lake City †	90	45	71.5	3.09	
Lemon City †	90	48	74.2	0.75	
Macclenny †	89	42	69.2	2.47	
Manatee †	90	42	70.3	1.15	
Merritts Island †	88	52	73.2	2.45	
Milton *[1]	80	40	67.4	6.78	
Mullet Key †	81	56	71.8	0.98	
Myers †	87	45	73.0	1.09	
New Smyrna †	90	40	70.0	0.32	
Florida—Cont'd.	°	°	°	*Ins.*	*Ins.*
Oakhill *[1]	88	56	70.9	.....	
Ocala * † [1]	89	46	69.8	1.05	
Orange City	90	45	72.0	0.76	
Orange Park	93	47	69.0	2.29	
Orlando †	88	48	70.9	0.38	
Oxford * † [1]	93	48	71.3	0.00	
Plant City †	92	40	70.0	1.61	
Quincy	83[d]	39[d]	66.6[d]	6.70	
St. Francis †	90	37	69.8	0.93	
St. Francis Barracks	86	39	67.4	1.24	
Tallahassee †	83	42	65.9	8.84	
Tarpon Springs †	91	46	71.8	1.23	
Georgia.					
Adairsville †	79	29	53.5	7.60	
Albany †	87	43	64.4	11.51	
Allentown †	83	35	61.6	9.58	
Americus †	85	38	62.5	11.57	
Belleville	85	40	65.1	5.83	
Blakely * † [6]	84	40	64.3	12.62	
Brag †	83	35	62.4	9.37	
Canton †	.....	.....	.....	7.88	
Cartersville	77	30	55.6	7.76	
Cedartown	88	30	56.0	8.35	
Clayton †	77	24	52.2	9.36	
Columbus	86	37	61.8	9.91	
Covington	78	23	53.8	7.58	
Dahlonega †	79	24	52.2	9.98	
Diamond	77	23	51.5	9.27	
Dublin	.....	.....	.....	8.95	
Elberton †	83	32	54.9	7.94	
Fleming †	82	34	59.0	4.03	
Fort Gaines	83	36	62.5	12.70	
Gainesville	79	26	53.0	6.90	
Gillsville †	79	30	53.6	6.50	
Hawkinsville	85	30	58.4	9.95	
Hephzibah * † [6]	82	42	60.1	6.35	
Jesup	89	41	65.9	4.27	
Lagrange †	82	34	61.6	9.40	
Leverett	86	27	54.4	5.44	
Louisville †	88	34	57.8	10.77	
Macon † *b*	.....	.....	.....	10.58	
Marietta	80	27	54.2	7.14	
Marshallville †	80	40	62.8	10.06	
Milledgeville †	83	34	60.0	10.63	
Millen	90	27	60.2	7.29	
Monticello * † [1]	74	41	54.6	9.70	
Morgan †	86	33	64.4	13.31	
Newnan †	80	29	55.6	8.43	
Piscola	88	42	67.6	5.45	
Point Peter	79	27	53.3	5.68	
Poulan †	89	38	64.5	9.45	
Quitman †	87	39	66.9	4.12	
Ramsey	80	25	56.0	9.91	
Resaca †	.....	.....	.....	10.00	
Reynolds	.....	.....	.....	7.82	
Rome †	80	30	55.3	9.80	
Sparta	86	33	57.9	7.64	
Talbotton †	80	32	59.6	12.99	
Tallapoosa	79	30	54.8	8.10	
Thomasville †	85	37	66.1	5.47	
Toccoa †	78	33	53.1	7.46	
Washington †	.....	.....	.....	5.38	
Whitesburg	.....	.....	.....	7.91	
Idaho.					
American Falls	52	2	29.5	1.82	.....
Blackfoot †	50	—13	27.9	0.10	1.0
Boise Barracks †	60	7	36.4	3.18	11.5
Burnside †	54[e]	0	25.9[g]	.....	.....
Chesterfield †	52	—22	20.1	2.99	21.0
Cœur d'Alene	50	0	30.8	.....	.....
Corral * † [1]	42	—13	22.7	3.10	31.0
Downey	.....	.....	.....	3.56	25.0
Fort Sherman †	55	— 4	30.4	3.59	24.6
Gimlet †	56	—17	25.9	6.00	50.0
Idaho City	47	—13	27.0	6.74	44.9
Kootenai †	57	1	30.0	4.50	40.0
Lake †	42	—21	15.0	1.50	15.0
Lewiston *a* †	63	15	39.6	0.97	1.3
Lost River †	.....	.....	.....	1.88	22.0
Martin †	65	—23	19.1	3.70	37.0
Minidoka †	50	3	27.6	1.30	13.0
Moscow †	56[g]	0[f]	32.5[f]	3.45	.....
Murray †	51	—11	28.2	8.42	62.0
Nampa	63	10	36.7	1.46	2.6
Oakley	67[h]	7[h]	33.6[h]	0.10	1.0
Ola †	53	— 9	33.2	4.90	17.6
Paris	57	—17	22.4	2.15	20.0
Payette †	64	16	37.5	2.46	7.4
Pollock †	60	11	37.8	1.52	.....
Rexburg †	46	.....	.....	0.86	4.8
Roseberry †	46	—22	22.5	1.99	19.8
Salubria †	56	— 6	32.2	3.76	27.9
Soldier †	54	—21	24.2	2.15	18.5
Swan Valley †	52	—22	25.8	1.79	13.7
Warren †	56	—26	20.9	2.06	.....
Yellowjacket †	.....	.....	.....	3.98	.....

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Illinois.	°	°	°	*Ins.*	*Ins.*
Albion†	71	23	46.1	10.19	
Alexander†	74	15	41.8	4.42	1.0
Ashton*†[1]	61	12	33.4	4.21	18.5
Atlanta*[5]	70	18	38.9	3.64	1.0
Atwood *a**†[2]	.....	16	38.0	6.37	0.5
Atwood *b*	.....	.....	.....	4.90	.....
Aurora *a*	67	12	35.5	3.58	.....
Aurora *b*	63	10	34.0	4.85	17.0
Beardstown†	.....	.....	.....	4.52	T.
Bloomington†	67	14	38.6	4.09	.....
Bushnell†	74	8	39.0	4.43	8.5
Cambridge	65	9	35.4	4.03	19.0
Carlinville†	74	19	43.3	6.72	1.0
Carlyle	.....	.....	.....	10.24	.....
Carrollton	74	9	40.6	4.63	T.
Catlin	66	20	43.0	4.24	
Charleston	68	23	41.8	5.26	0.1
Chemung*[1]	60	— 2	29.8	5.25	17.2
Chester	.....	.....	.....	8.34	
Cisne†	73	22	44.5	12.00	
Clearcreek†	65	2	37.0	3.79	10.0
Coatsburg†	73	15	42.0	4.16	5.0
Cobden†	76	25	47.9	12.64	1.5
Cordova	.....	.....	.....	2.34	.....
Decatur†	70	18	41.6	5.08	0.5
Dixon†	58	10	34.4	4.25	14.8
Duquoin*[1]	76	26	47.6	10.70	0.2
Dwight†	65	6	36.6	3.57	8.2
East Peoria†	69	9	38.7	3.71	11.0
Effingham†	71	22	44.0	7.54	T.
Evanston*[10]	48	10	32.4	.....	.....
Fort Sheridan†	50	11	32.8	4.16	19.1
Friendgrove*†[4]	.....	28	45.3	10.67	
Galva†	66	8	35.2	4.64	10.8
Glenwood*†[1]	69[e]	12[e]	36.6[e]	2.77	3.0
Golconda†	79	26	49.5	11.44	.....
Grafton†	.....	.....	.....	6.97	
Greenville†	68	22	42.3	7.50	.....
Griggsville†	75	12	42.2	4.20	.....
Halliday*[5]	72[d]	29[d]	49.8[d]	11.98	0.5
Havana†	70	15	41.4	4.58	T.
Herrin*[1]	74	32	50.8	11.43	2.0
Hillsboro†	74	19	42.8	6.04	T.
Iron†	78	28	48.2	9.59	
Joliet†	65	12	38.9	3.80	10.0
Jordans Grove†	75	25	46.4	10.51	0.3
Kankakee *a*†	63	11	37.2	3.09	.....
Kishwaukee	65	7	32.2	4.63	17.5
Knoxville *a**[5]	68	8	36.0	5.67	9.5
Lagrange†	62	14	32.8	4.00	9.0
Laharpe*[1]	62	7	36.6	6.22	18.0
Lanark*†[1]	58	8	32.6	3.20	3.3
Lexington	66	10	38.6	4.01	.....
Loami†	.....	.....	.....	4.11	.....
Louisville†	72	23	43.7	9.42	T.
McLeansboro†	74	26	47.4	11.29	T.
Martinsville†	68	22	42.4	7.27	T.
Martinton†	65	12	38.8	3.96	1.0
Mascoutah*[5]	72	24	46.3	9.91	0.2
Mattoon*[1]	67	25	44.0	4.36	.....
Minonk†	64	11	37.1	3.18	8.1
Monmouth†	69	6	36.9	2.63	12.3
Morgan Park	62	13	35.6	3.65	.....
Morrisonville†	71	17	41.8	6.02	.....
Mount Carmel†	.....	.....	.....	10.22	T.
Mount Pulaski	71	12	41.0	3.82	0.5
Mount Vernon	74	21	45.6	10.18	
New Burnside†	78	26	48.9	10.97	T.
Olney *a**[1]	72	22	46.6	11.77	T.
Oregon†	60	6	32.0	3.05	.....
Oswego*[1]	63	12	33.5	3.56	10.2
Ottawa†	65	5	35.7	4.47	6.0
Palestine†	70	26	43.8	11.02	T.
Peoria *a*†	.....	.....	.....	4.42	4.0
Peoria *b*†	65	16	40.2	4.70	4.7
Philo†	68	19	41.0	3.68	T.
Plumhill†	74	22	45.5	9.43	
Rantoul†	67	19	40.0	3.41	0.6
Reynolds	67	5	34.9	2.59	7.5
Riley†	58	9	31.2	3.87	14.4
Robinson*†[3]	65	28	43.0	11.33	T.
Rockford†	65	12	33.9	4.90	18.0
Rose Hill*†[1]	74	28	45.2	10.40	
Roundgrove†	66	8	34.6	3.33	10.1
St. Charles*†[1]	64	14	34.2	4.37	15.3
St. John*†[1]	72	26	45.9	11.55	
Scales Mound	60	0	30.8	2.67	6.7
Streator†	67	9	36.9	4.08	11.2
Sycamore†	64	12	32.8	4.31	14.4
Tiskilwa*†[3]	59	11	32.1	4.55	16.0
Tuscola†[3]	69	19	41.1	4.16	T.
Warsaw†	.....	.....	.....	2.37	0.4
Walnut†	56[b]	10	34.4[d]	5.05	11.8
Wheaton*[3]	.....	18	32.8	5.43	15.5
Winnebago†	62	6	32.0	4.87	18.0
Zion†	60	7	32.6	3.28	5.0

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Indiana.	°	°	°	*Ins.*	*Ins.*
Anderson†	64	21	42.4	5.04	1.0
Angola*[1]	62	13	36.6	3.64	4.4
Auburn†	69	13	38.4	2.42	T.
Bedford	72	23	45.8	.....	.....
Bloomington†	68	23	41.2	10.63	T.
Bluffton†	71	13	39.9	4.68	0.5
Bright†	70	23	44.7	9.50	0.7
Butlerville†	73	20	45.5	13.03	
Cambridge City†	68	18	42.6	7.60	0.8
Columbia City*[1]	63	11	37.3	4.51	3.0
Columbus†	71	20	44.6	9.48	
Connersville†	69	21	41.7	6.87	0.2
Delphi†	65	17	40.2	3.83	0.2
Edwardsville*†[1]	73	25	48.3	8.09	
Evansville†	80	27	47.1	10.96	
Farmland†	63	20	42.2	6.23	0.5
Fort Wayne	67	16	38.7	.....	T.
Greencastle†	64	9	41.5	6.49	1.1
Greensburg	70	22	46.0	8.86	T.
Hammond†	64	16	36.8	7.35	
Huntington	66	15	38.8	3.23	0.5
Jasper†	75	26	48.0	9.50	
Jeffersonville	75[f]	28[f]	50.3[f]	8.55	
Knightstown†	67	17	42.4	7.40	0.5
Knox	66	22	41.2	.....	.....
Kokomo†	66	21	42.0	3.77	0.4
Laconia	74	24	47.0	9.55	
Lafayette†	67	19	41.2	3.87	0.1
Logansport *b*†	65	19	39.4	2.89	
Madison†	73	25	46.0	8.09	T.
Marengo†	76	24	48.1	9.19	T.
Marion†	67	18	41.7	4.04	2.0
Mauzy†	67	19	42.3	6.94	1.0
Mount Vernon†	80	23	47.9	8.43	
Northfield†	63	20	42.0	5.31	T.
Princeton*[1]	75	26	46.6	7.75	
Richmond	69	19	43.4	6.58	
Rockville†	66	20	42.7	5.14	T.
Rushville†	.....	.....	.....	7.70	T.
Salem	.....	20	.....	7.82	
Scottsburg	72	21	45.7	8.01	
Seymour†	66	24	43.9	12.95	T.
Shelbyville	68	25	42.9	7.03	1.5
South Bend†	66	11	36.6	3.31	9.0
Syracuse†	.....	.....	.....	4.38	7.5
Terre Haute†	67	25	44.3	6.29	
Tipton†	74	18	42.0	4.39	T.
Topeka†	66	10	36.2	2.31	2.8
Valparaiso†	64	19	37.0	.....	.....
Vevay	75	25	47.2	8.90	T.
Vincennes†	74	10	42.3	13.22	
Warsaw†	69	11	39.1	3.74	T.
Washington†	82	21	48.5	9.72	T.
Worthington†	75	23	46.0	10.68	
Indian Territory.					
Eufaula	.....	.....	.....	3.62	
Healdton†	88	20	56.3	4.85	
Kemp†	.....	.....	.....	8.83	
Lehigh†	87	24	55.2	8.13	
Purcell	.....	.....	.....	6.13	
South McAlester	77	20	52.2	8.50	
Tahlequah	80	22	53.0	5.56	
Tulsa†	.....	.....	.....	6.70	
Wagoner	78	19	53.6	3.26	
Iowa.					
Adair	.....	.....	.....	2.03	3.1
Afton	64	— 5	35.2	5.61	7.0
Algona*[1]	54	—12	26.6	2.60	8.0
Alta *a*†	56	—10	27.6	4.08	5.8
Amana†	63	0	33.1	1.48	3.0
Ames *b*	60	— 6	32.2	.....	.....
Ames (near)	.....	.....	.....	2.25	1.5
Atlantic†	60	—14	32.8	3.67	7.5
Atlantic (near)	63	—10	33.8	2.75	5.5
Audubon	60	—12	30.4	3.98	6.0
Belknap	67	0	37.0	2.71	11.0
Belleplaine	65	— 6	31.0	2.73	4.2
Bonaparte†	72	3	36.6	3.53	5.0
Britt	57	—14	26.1	1.52	2.0
Carroll	62	—12	29.7	2.37	0.5
Cedarfalls	60	— 6	30.6	1.15	3.0
Cedar Rapids†	64	— 1	32.7	1.28	4.1
Chariton	66	— 1	36.5	1.11	5.2
Charles City†	68	—10	28.0	1.15	8.0
Clarinda†	66	— 3	37.0	2.14	15.2
Clinton	64	7	34.7	3.72	14.0
College Springs	67	— 9	37.6	1.91	.....
Corning†	66	—10	34.6	3.48	7.0
Council Bluffs	67	— 6	34.5	1.28	2.0
Cresco†	56	—10	25.8	1.07	4.5
Decorah†	61	— 5	27.4	0.70	4.5
Delaware*[3]	56	2	30.0	2.10	2.5
Denison†	62	— 8	31.1	3.14	1.0
Dows	56	—10	28.4	1.38	3.2
Elkader†	61	— 6	30.1	1.59	3.2
Estherville	54	—15	23.7	1.05	6.0

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Iowa—Cont'd.	°	°	°	*Ins.*	*Ins.*
Fairfield†	66	1	35.0	2.66	14.0
Fayette†	64	— 3	31.0	1.75	4.2
Fonda	67	— 8	33.2	3.01	1.0
Forest City	56	—13	24.6	1.48	10.0
Fort Madison*†[1]	68	11	41.5	2.93	7.5
Galva†	60	—10	30.0	3.40	5.2
Gardengrove	66	— 6	34.8	4.97	4.0
Gladbrook	.....	.....	.....	1.70	1.3
Glenwood†	66	6	33.2	1.37	2.8
Grand Meadow*[1]	58	0	28.1	1.56	2.1
Greene	59	— 9	28.8	1.02	.....
Greenfield†	63	— 9	33.2	4.95	8.0
Grinnell†	59	— 3	32.6	1.46	T.
Grundy Center	63	— 8	29.4	0.98	1.5
Hampton	58	— 9	27.7	1.94	5.4
Hawkeye	.....	.....	.....	3.61	4.0
Hopeville†	62	— 6	34.6	3.57	.....
Humboldt†	59	—12	29.2	2.52	.....
Independence†	57	— 5	26.3	1.58	4.2
Indianola†	61	— 4	35.2	1.59	.....
Iowa City *a*†	70	1	35.2	2.07	5.0
Iowa City *b*	67	2	35.8	.....	.....
Iowa Falls†	59	—10	28.6	1.32	.....
Keosauqua	71	4	37.7	2.86	5.5
Knoxville	65	— 2	35.7	1.46	8.0
Lansing	62	— 1	30.6	1.70	5.8
Larchwood	.....	.....	.....	2.71	6.5
Larrabee†	56	—14	28.6	4.32	2.8
Leclaire	.....	.....	.....	2.56	3.2
Lemars	63	— 9	29.1	3.58	4.0
Lenox*[1]	62	0	35.6	3.25	5.3
Logan†	64	— 8	32.7	2.17	2.0
Malvern*[1]	70	—18	33.6	1.70	5.4
Maple Valley	.....	.....	.....	4.76	5.5
Maquoketa	59	6	35.1	2.31	6.5
Marshall†	59	— 5	32.4	1.98	2.0
Milliman	.....	.....	.....	2.31	4.5
Monticello*†[1]	58	4	32.5	2.56	3.3
Mooar	65	7	35.2	3.61	.....
Mountayr†	65	— 7	35.7	3.39	12.0
Mount Pleasant*[1]	60	4	36.1	2.34	8.0
Mount Vernon *a**[1]	65	— 1	32.9	1.55	.....
Mount Vernon *b*	63	1	32.4	1.84	6.9
Neola	65	—12	33.0	1.90	1.0
Newton†	62	— 4	33.3	2.33	7.5
North McGregor	.....	.....	.....	2.06	2.0
Northwood	57	—12	25.7	1.51	10.0
Odebolt	.....	.....	.....	3.30	3.8
Ogden	61	—10	32.6	1.64	3.5
Osage*†[3]	.....	—10	25.6	2.54	10.0
Osceola	67	5	34.2	4.68	8.0
Oskaloosa†	69	— 3	35.4	1.53	10.0
Ottumwa	69	0	37.8	2.59	14.5
Ovid†	67	— 6	36.0	3.45	7.1
Plover	66	— 9	28.5	1.45	4.0
Primghar	55	—13	26.4	2.97	1.5
Red Oak	67	—10	36.2	2.44	.....
Rock Rapids	54	—22	24.8	2.86	8.0
Rockwell City	60	— 9	29.0	3.42	4.5
Sac City†	60	— 7	28.4	2.82	3.7
St. Charles	64	— 4	35.2	2.36	8.8
Seymour†	68	0	36.6	2.42	9.0
Sibley	52	—18	25.4	2.90	7.2
Sidney	66	— 4	36.0	2.35	8.8
Sigourney	68	— 2	35.4	1.33	.....
Spencer	55	—13	25.6	1.72	2.2
Spirit Lake†	54	—18	24.0	1.02	7.8
Stuart	59	— 5	33.6	6.16	5.2
Toledo	59	— 5	31.8	1.89	3.5
Villisca†	65	— 5	36.6	2.50	9.5
Vinton*[1]	60	— 2	32.7	2.59	7.5
Washington	70	— 1	34.4	1.42	8.0
Waterloo	60	— 4	31.0	1.54	2.9
Waukee	62	— 5	30.9	2.00	2.0
Waverly	60	— 6	29.4	1.19	18.0
Webster City	58	— 6	30.6	1.42	1.5
Westbend*†[1]	53	— 7	25.8	3.85	2.5
Wilton Junction†	65	4	34.0	3.60	14.0
Winterset†	61	— 6	33.7	1.89	2.2
Kansas.					
Abilene†	79	6	42.7	2.29	7.0
Achilles*[3]	72	— 5	31.6	2.16	15.2
Altoona*†[3]	74	15	44.1	3.45	
Anthony	.....	.....	.....	1.57	
Assaria*[5]	74	6	40.0	1.38	4.1
Atchison†	75	— 1	40.9	1.57	1.5
Augusta	80	11	44.9	1.80	T.
Beloit†	80	15	42.8	1.38	1.8
Blaine	76	0	39.0	2.78	2.0
Burlington†	77	9	48.1	3.09	
Campbell	74	— 4	39.1	3.08	11.0
Colby†	86	— 1	36.4	2.13	12.5
Columbus†	80	14	47.6	4.76	T.
Coolidge†	74	9	38.6	0.25	T.
Cunningham†	86	2	44.9	1.21	0.5
Delphos*[1]	74	10	40.5	0.37	T.

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Kansas—Cont'd.	°	°	°	*Ins.*	*Ins.*
Downs	.....	.....	.....	1.03	4.0
Dresden	74	8	36.8	1.62	11.0
Effingham	72[d]	— 2[e]	40.2[d]	.....	.....
Elgin*[1]	77	13	46.9	3.46	
Ellinwood†	80	9	42.8	0.87	1.5
Emporia*†[1]	73	15	42.0	1.15	T.
Englewood†	88	5	45.4	0.23	T.
Eureka†	.....	.....	.....	2.84	.....
Eureka Ranch†	80	2	39.3	0.35	2.0
Fall River	80	12	47.6	3.60	
Fort Riley†	78	2	43.4	1.80	4.0
Fort Scott†	80	12	45.3	5.47	.....
Frankfort	78	— 3	42.8	4.80	16.0
Garden City†	81	6	41.8	0.19	1.0
Garfield	.....	.....	.....	0.34	0.5
Goodland	68	— 2	35.4	1.85	17.0
Gove*†[1]	76	12	37.2	1.75	7.0
Grainfield*[6]	82	6	40.7	6.00	6.0
Grenola*[1]	75	12	45.1	3.53	.....
Halstead	76	10	41.6	3.20	1.0
Horton	73	— 1	40.4	1.97	3.5
Hutchinson†	84[c]	11[c]	47.8[c]	1.08	2.0
Independence†	79	14	48.2	3.44	
Lakin†	80	13	46.5	0.10	1.0
Lawrence	77	4	42.2	2.88	.....
Lebo†	75	9	43.6	3.14	T.
Manhattan *b*	80	0	42.2	2.19	5.2
Manhattan *c*	79	1	43.0	2.21	7.0
Marion†	76	8	45.8	3.10	2.0
Meade†	90	12	47.9	T.	
Medicine Lodge†	84	9	45.6	1.30	T.
Minneapolis†	79	8	40.8	1.04	3.4
Morantown†	76	10	45.2	3.97	T.
Morton†	76	10	43.4	0.10	1.0
Mounthope	77	12	45.0	3.46	.....
Norton	74	2	38.8	2.92	21.0
Norwich†	83	10	45.6	1.65	
Oberlin†	.....	.....	.....	3.30	21.0
Olathe†	78	4	44.6	3.30	T.
Osage City†	75	7	43.4	2.93	1.0
Oswego	81	15	50.2	4.47	
Ottawa	79	8	44.1	3.75	T.
Paola†	72	7	42.6	2.35	
Phillipsburg	80[i]	14[i]	38.4[i]	1.70	10.0
Pleasant Dale	80	12	41.0	0.45	0.1
Powhattan	71	— 1	39.2	2.28	3.5
Pratt	80	9	41.1	1.00	1.0
Rome*†[1]	81	13	46.6	3.47	
Salina†	81	6	43.0	1.60	6.2
Sedan†	76	13	47.3	4.07	
Seneca	72	— 5	39.0	3.16	10.0
Sharon Springs*[1]	76	10	39.5	1.50	10.0
Ulysses†	76	13	41.6	0.18	1.5
Wallace*[1]	69	10	40.0	0.81	7.5
Wamego*[1]	72	0	40.0	2.71	8.0
Wellington*[1]	78	15	47.9	2.28	T.
Winona*[5]	82	6	40.9	1.25	7.5
Yates Center	78	17	45.2	2.69	T.
Kentucky.					
Alpha†	80	29	52.8	7.56	0.1
Ashland*[1]	77	25	49.8	.....	T.
Bardstown†	75[f]	27[f]	47.6[f]	8.17	
Blandville†	77	28	49.1	8.61	0.8
Bowling Green *a*[1]	79	26	49.9	7.18	0.5
Bowling Green *b*†	80	29	50.7	7.61	T.
Burnside†	.....	.....	.....	7.04	0.1
Caddo†	74	24	46.4	6.25	T.
Canton*†[1]	78	31	52.9	8.65	T.
Carlisle	75	22	46.0	5.47	T.
Carrollton†	77	27	47.8	6.47	T.
Catlettsburg*†[1]	72	24	48.5	4.61	1.0
Earlington	81	30	51.6	12.57	1.0
Edmonton†	79	25	51.6	8.10	0.1
Ensor	80	28	50.0	10.75	T.
Eubank†	84	30	49.6	6.69	
Falmouth†	.....	.....	.....	6.08	T.
Fords Ferry†	80[c]	30[c]	49.6[c]	10.82	T.
Frankfort†	76	23	48.8	6.29	
Franklin†	77	29	50.9	8.01	0.5
Georgetown	76	23	49.2	.....	
Greensburg†	86	24	50.1	8.22	0.2
Henderson†	79	29	50.4	11.64	
Hopkinsville†	81	29	51.7	7.37	1.0
Leitchfield†	78	22	47.8	9.62	T.
Louisa† *a*	.....	.....	.....	4.14	0.2
Lyndon	78	24	47.6	8.26	
Marrowbone†	81	22	51.2	8.58	T.
Maysville	75	25	47.8	5.77	T.
Middlesboro†	83	21	50.4	9.80	T.
Mount Sterling†	74	20[e]	46.1	6.79	T.
Munfordville*[1]	78	30	52.4	8.01	
Owensboro†	81	28	47.8	9.36	
Owenton†	73	23	46.7	8.39	T.
Paducah *a*†	.....	.....	.....	8.65	0.5
Paducah *b*†	82	31	51.6	9.38	1.0
Pilot Oak	85	30	55.4	.....	T.
Kentucky—Cont'd.	°	°	°	*Ins.*	*Ins.*
Pleasure Ridge Park†	79	24	47.9	8.41	T.
Princeton	83	29	50.1	10.60	0.5
Richmond†	80	23	48.9	5.99	T.
Russellville†	83	26	52.0	9.53	1.0
St. John†	78	24	48.8	8.92	T.
Sandyhook	.....	.....	.....	4.04	
Shelbyville†	79	23	47.9	7.51	T.
South Fork[2]	.....	.....	48.6	8.46	
Vanceburg†	72	24	44.4	5.33	
Williamsburg†	82	23	52.8	9.83	0.5
Louisiana.					
Abbeville	86	40	69.0	5.65	
Alexandria†	86	34	65.3	4.64	
Amite†	89	36	68.6	4.26	
Bastrop†	87	33	64.0	7.72	
Baton Rouge†	86	38	69.2	5.78	
Calhoun	85	34	63.0	6.22	
Cameron†	.....	.....	.....	5.82	
Cheneyville†	85	35	66.4	5.45	
Clinton†	81	39	67.0	6.45	
Davis	85	30	62.4	4.18	
Donaldsonville†	92	39	69.9	6.96	
Elm Hall	83	38	66.8	6.67	
Emilie†	84	39	67.4	4.72	
Farmerville	83[c]	34[i]	60.5[h]	7.81	
Franklin†	84	39	69.7	4.84	
Grand Coteau	84	42	68.4	4.55	
Hammond	86	36	68.0	5.55	
Houma	87	32	69.6	1.48	
Jeanerette	88	40	70.6	5.10	
Lafayette†	84	35	68.8	6.31	
Lake Charles†	83	38	66.0	5.52	
Lake Providence	84[h]	42[h]	61.6[h]	7.54	
Lawrence	84	43	67.9	3.50	
Liberty Hill	89	29	63.6	6.81	
Mansfield†	86	30	63.1	4.40	
Melville	84	41	67.3	3.55	
Minden	87	33	60.2	6.48	
Monroe†	83	41	62.0	4.33	
Montgomery[k]	87	32	63.1	.....	
New Iberia	81	42	69.3	6.50	
Oakridge†	90	35	63.0	5.62	
Oberlin	87	34	62.6	5.40	
Opelousas†	85	35	67.0	5.50	
Oxford†	85	30	62.6	5.82	
Paincourtville†	87	40	69.8	7.63	
Plain Dealing†	84	32	62.3	6.71	
Rayne	88	36	67.6	.....	
Robeline	87	39	62.8	2.29	
Ruston	84	36	63.2	7.11	
Schriever	87	34	69.6	3.96	
Shellbeach	80	42	67.2	5.36	
Southern University†	83	40	66.5	4.85	
Sugar Ex. Station†	83	48	69.4	6.73	
Sugartown†[e]	82	39	65.0	5.88	
Thibodeaux	.....	.....	.....	4.58	
Venice†	81	46	66.4	5.61	
Wallace	85	42	68.2	6.09	
Whitehall	88	34	68.6	5.47	
White Sulphur Springs	87	36	65.9	4.80	
Maine.					
Bar Harbor	65	— 4	32.3	3.54	21.0
Belfast*[6]	46	— 2	29.7	4.65	20.0
Cornish*[1]	53	— 8	30.0	2.96	22.8
Fairfield	48	—21	28.2	2.63	13.0
Flagstaff†	46	—17	23.9	3.02	24.0
Fort Fairfield	43	—26	19.3[e]	2.60	26.0
Gardiner	52	— 7	30.8	4.30	17.5
Kineo†	48	—16	24.0	2.43	15.0
Lewiston	51	—10	30.4	4.19	22.2
North Bridgton	50	— 8	28.9	4.74	27.0
Orono	48	—11	27.3	3.96	6.5
Maryland.					
Annapolis	68	.....	.....	2.46	
Boettcherville[2]	.....	.....	38.0	2.80	3.0
Charlotte Hall†	80	26	47.0	2.52	
Cherryfields†[2]	.....	.....	45.2	5.05	
Chestertown†	72	20	43.1	2.97	
Collegepark	78[g]	23[c]	44.0[g]	2.91	
Cumberland *a*	71	22	43.0	2.86	1.0
Cumberland *b*	74	25	46.4	2.94	2.5
Darlington†	69	22	43.0	3.23	
Deerpark	.....	12	.....	3.48	3.0
Easton†	75	21	44.6	2.12	
Ellicott City	70	30	44.8	2.49	
Fallston*[1]	68	24	42.4	2.53	
Flintstone	73	17	42.5	3.34	3.0
Frederick	72	26	44.6	2.73	
Grantsville	71	14	40.5	3.52	7.0
Greatfalls*[5]	75	29	45.6	2.71	
Greenspring Furnace	72	22	43.4	2.94	0.5
Hagerstown†	71	25	45.1	3.17	1.0
Jewell†	80	27	46.6	3.00	T.
Johns Hopkins Hospital	72	20	44.4	2.38	.....
Laurel	80	22	44.4	3.08	T.
McDonogh[e]	72	25	44.4	.....	
Maryland—Cont'd.	°	°	°	*Ins.*	*Ins.*
Mardela Springs†[1]	76*	22	46.3	3.73	T.
Mount St. Marys Coll.†	70	23	42.6	3.04	0.2
New Market	76	23	44.0	3.28	T.
Pocomoke City	78	27	50.9	3.46	
Princess Anne	76	23	45.7	3.17	T.
Sharpsburg	73	24	43.6	2.40	0.5
Solomons†	75	29	46.3	3.14	
Sunnyside	69	15	40.6	4.69	7.2
Taneytown†	76	22	44.4	2.49	0.9
Van Bibber	69	24	41.8	2.31	
Western Port	74	21	42.6	2.22	3.8
Westminster	78	24	44.4	2.58	T.
Woodstock	72	20	43.8	2.74	
Massachusetts.					
Bluehill (summit)	55	1	34.2	2.94	5.0
Cambridge *a*	57	3	36.2	2.92	.....
Concord†	58	1	34.3	3.75	5.4
Fallriver*[1]	62	7	37.0	3.18	1.5
Fitchburg *b*	58	— 4	33.4	3.83	5.8
Framingham	62	3	37.2	3.43	.....
Groton	56	— 4	32.3	3.98	5.5
Hyannis*†[1]	56	16	39.4	3.01	T.
Lawrence	58	0	34.3	3.75	11.5
Leeds	58	— 6	32.8	3.48	2.5
Leicester Hill	57	4	32.2	3.14	2.5
Lowell *a*	55	1	34.1	4.15	.....
Middleboro	57	5	35.5	2.29	1.1
Monson	63	— 2	36.0	3.46	7.0
New Bedford *a*	56	7	36.0	2.79	2.5
Pittsfield	55	— 3	31.0	3.16	8.0
Springfield Armory	58	— 1	32.2	3.07	5.0
Taunton *b*	55	4	35.6	2.91	2.0
Wakefield	56	1	35.1	3.63	3.5
Waltham	.....	.....	.....	3.44	.....
Westboro†	61	— 2	35.6	3.91	4.5
Worcester *b*	57	3	35.0	4.09	5.0
Michigan.					
Adrian	64	13	34.7	2.98	4.0
Allegan	70	10	33.5	3.30	7.0
Alma	55	— 4	29.6	4.09	9.0
Ann Arbor	61	11	34.0	3.40	10.2
Arbela	56	4	30.5	3.15	6.0
Baldwin	67	—22	27.2	1.94	11.3
Ball Mountain	57	6	31.4	3.77	7.5
Baraga	52	—21	21.8	2.67	34.4
Battlecreek	68	12	34.7	3.31	3.2
Bay City *b*	.....	.....	.....	4.26	14.0
Benton Harbor	67	15	35.1	2.68	4.0
Benzonia	68	— 3	29.2	0.85	3.5
Berlin	58	3	30.9	3.96	11.3
Berrien Springs	67	14	35.4	3.82	8.0
Big Rapids	60	—10	28.1	3.65	16.2
Birmingham	58	10	33.0	2.35	7.0
Boon	46[c]	—12[b]	23.7[c]	3.32	19.1
Bronson	67	14	35.5	2.71	5.2
Calumet	47	— 2	22.9	1.39	12.0
Carsonville	50	5	29.2	2.44	8.0
Charlevoix	57	—13	24.4	1.62	13.0
Cheboygan	49	— 9	25.6	1.47	11.0
Clinton	67	12	35.0	3.53	11.0
East Tawas	52	2	27.9	3.31	17.0
Eloise	59	12	33.8	3.38	5.5
Escanaba†	51	—18	23.4	2.74	12.0
Fairview	59	11	31.9	2.99	13.0
Fitchburg	62	9	32.4	4.03	15.0
Flint	59	2	30.0	2.10	2.0
Gladwin	53	—10	27.4	2.41	17.0
Grand Rapids *b*	64	5	31.3	4.69	12.0
Grape	64	12	36.4	2.26	4.8
Grayling	50	—20	24.0	2.70	22.0
Hanover	65	8	33.7	2.06	7.9
Harrison	57	—12	26.2	3.38	17.5
Harrisville	52	0	27.4	4.14	24.8
Hart	68	— 3	30.8	2.48	8.2
Hastings	63	7	32.4	3.30	12.0
Hayes	49	5	30.4	2.80	9.0
Highland Station	60	6	32.6	4.35	7.5
Holland*[6]	66	4	35.3	.....	.....
Howell	62	9	31.5	3.13	4.0
Humboldt	51	—35	17.8	1.17	10.0
Ionia	62	2	31.6	2.78	5.5
Iron River	55	—28	18.5	1.65	14.5
Ivan	50	— 6	26.0	2.78	18.0
Jackson	67	13	34.6	2.67	.....
Jeddo	50	5	30.0	2.78	7.2
Kalamazoo	69	12	34.1	3.10	5.0
Lake City	55	—17	25.4	2.80	18.0
Lansing	65	7	31.9	3.54	8.5
Lapeer	60	5	31.1	2.78	5.8
Lathrop	49	—21	20.7	2.05	13.5
Ludington	65	2	30.0	1.32	9.1
Luzerne	53	—20	22.9	3.12	19.0
Mackinaw City	42	—14	22.4	2.23	16.0
Madison	62	14	34.8	3.04	4.1
Mancelona	56	—19	25.6	3.06	21.7
Manistee	67	— 8	29.4	0.60	4.0

TABLE II.—*Meteorological 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.*
***Michigan*—Cont'd.**					
Manistique	44	−13	22.9	2.48	16.0
Middle Island *[10]	48	8	30.4	.....	.....
Midland	46	4	28.1	2.66	10.0
Mottville	70	10	36.5	3.11	2.7
Mount Clemens	60	9	33.4	2.71	4.8
Mount Pleasant *b*	54	− 2	28.9	3.05	14.2
Muskegon	64	−11	30.5	2.45	9.0
Newberry	55	−20	20.3	2.60	19.0
North Manitou Island *[10]	48	7	27.6	.....	.....
North Marshall	66	8	33.0	3.31	.....
Northport	50	− 2	28.5	1.60	20.0
Old Mission	53	− 1	27.6	3.55	11.0
Olivet	64	10	33.4	3.00	8.5
Omer	53	3	27.3	3.50	18.0
Ovid	59	3	31.2	3.24	11.0
Owosso	60	3	30.8	3.64	.....
Parkville	.....	.....	.....	3.84	8.0
Petoskey	55	− 9	26.0	3.05	22.0
Plymouth	61	11	34.0	3.24	6.0
Pontiac	58	7	32.7	.....	.....
Port Austin	48	3	28.9	3.16	13.0
Powers	54	−12	23.8	2.27	.....
Reed City	59	−14	26.8	1.83	11.5
Rockland	64	− 8	23.6	1.50	6.0
Rogers City	50	−13	24.2	2.64	15.2
Romeo	60	8	30.2	2.85	7.0
Saginaw	56	4	30.6	3.31	.....
St. Ignace	49	−12	18.4	2.80	14.0
St. Johns	61	4	31.6	4.27	11.0
Sandbeach *b*	48	6	29.0	.....	.....
Sidnaw	52	−21	20.4	0.93	12.0
Somerset	63	10	33.2	4.02	12.5
South Haven	66*	13	33.7[c]	2.48	4.5
Stanton	56	− 3	28.3	4.40	18.0
Thomaston	63	−26	18.9	2.41	20.2
Thornville	58	5	32.6	3.89	11.6
Thunder Bay Island *[10]	48	8	29.2	.....	.....
Traverse City	56	−12	27.6	2.12	12.0
Valley Center	53	5	30.5	2.63	9.0
Vandalia	68	12	35.9	4.21	13.2
Wasepi	67	14	34.8	3.42	3.0
Waverly	67	− 1	31.9	3.53	6.5
West Harrisville	47	− 5	26.0	3.64	19.3
Wetmore	54	−21	20.9	2.44	25.0
Ypsilanti	59	9	34.5	3.68	8.0
Minnesota.					
Adaf	52	−37	13.7	.....	.....
Albert Lea †	54	−10	24.6	2.70	12.0
Alexandria †	47	−33	15.4	1.51	11.5
Beardsley †	48	−35	15.9	1.13	7.6
Belleplaine *[1]	49	−12	28.7	2.62	1.7
Bermidji	57	−40	14.6	1.40	5.0
Bingham Lake	52	−25	22.0	.....	.....
Bird Island	53	−25	20.2	2.04	14.5
Blooming Prairie †	57	−17	24.6	1.75	9.0
Bonniwell	59	−19	21.4	2.52	.....
Caledonia †	60	− 1	26.6	1.80	7.2
Camden	52	−20	21.2	1.22	10.5
Campbell	56	−35	15.2	3.90	33.0
Collegeville	53	−12	22.6	2.50	18.0
Crookston †	49	−35	13.6	0.94	7.8
Dawson *[1]	50	−11	22.8	2.41	11.0
Detroit City	59	−43	17.1	1.44	.....
Faribault	58	−16	24.2	2.05	18.0
Farmington †	60	−20	20.9	3.32	16.0
Fergus Falls †	53	−31	18.2	1.46	7.9
Glencoe †	56	−24	17.4	2.26	.....
Glenwood †	52	−32	19.1	1.51	6.0
Grand Meadow *†[1]	59	−15	23.6	0.75	3.9
Grand Portage	42	−13	19.0	.....	.....
Koochiching	58	−26	14.4	2.55	.....
Lake City	62	−12	25.2	2.30	14.5
Lakeside †	51	−27	20.0	1.97	8.8
Lake Winnibigoshish [1]	54*	−33	17.9	1.58	8.4
Lambert †	50	−34	14.2	1.01	8.0
Leech Lake [1]	65*	−48	17.8	1.60	9.3
Lesueur *[1]	62	−20	24.5	3.55	15.5
Long Prairie †	55	−30	19.7	1.61	10.0
Lutsen	47	−12	20.4	2.51	.....
Luverne †	55	−19	23.8	1.73	7.0
Mapleplain	55	−16	22.0	4.22	22.6
Mazeppa [1]	52*	− 6	25.8	2.40	20.0
Milaca	.....	.....	.....	1.85	13.5
Milan †	52	−32	17.0	1.79	17.5
Minneapolis *a* †	60	−12	23.5	3.23	14.1
Minneapolis *b* [1]	60*	−13	23.4	3.11	14.8
Minnesota City *†[1]	64	− 2	28.9	1.71	7.5
Montevideo †	48	−25	17.8	2.28	12.0
Morris	49	−28	17.4	2.50	17.0
Mount Iron	.....	.....	.....	0.70	7.0
New London	48	−25	16.4	2.70	17.0
New Richland *[1d]	54	− 8	24.9	.....	.....
New Ulm †	56	−20	23.1	2.29	14.0
Park Rapids †	55	−37	17.4	1.10	6.0
Pine River [1]	52*	−40	20.3	2.17	10.8
Pleasant Mounds †	57	−20	23.6	1.87	5.2
***Minnesota*—Cont'd.**					
Pokegama Falls [1]	55*	−49	17.8	2.15	8.5
Redwing	.....	.....	.....	2.50	1.5
Reeds	.....	.....	.....	2.61	12.0
Rolling Green	52	−15	23.6	1.75	10.0
Roseau [f]	52	−30	11.4	1.16	4.3
St. Charles †	61	−12	24.6	2.13	13.5
St. Cloud	54	−18	19.4	4.53	15.5
St. Olaf	56	−25	18.4	1.58	13.2
St. Peter	.....	.....	.....	2.50	15.0
Sandy Lake Dam [1]	48*	−39	20.2	2.18	8.4
Sauk Center	54	−35	19.8	2.75	19.0
Shakopee [6]	66*	−13	22.4	2.75	15.0
Tower †	54	−35	14.6	1.50	13.0
Two Harbors †	43	−13	24.3	2.32	11.0
Wabasha *[1]	68	− 5	26.4	1.87	14.0
Willmar †	53	−26	19.3	1.57	11.2
Worthington	50	−16	21.8	1.59	7.2
Zumbrota [1]	60*	−18	25.6	.....	.....
Mississippi.					
Agricultural College	81	39	58.9	6.76	
Austin †	82	36	57.4	11.19	
Batesville †	79	34	56.0	12.02	
Bay St. Louis	83	43	68.0	.....	
Biloxi †	80	42	67.8	12.64	
Briers †	82	40	64.1	12.68	
Brookhaven †	88	35	65.6	5.85	
Canton †	85	40	63.9	5.66	
Columbus *a* †	.....	.....	.....	8.65	
Columbus *b*	86	31	59.9	.....	
Crystal Springs †	88	38	64.3	5.31	
Edwards	86	40	64.6	3.90	
Enterprise	88	34	65.2	6.76	
Fayette †	86	36	64.3	6.86	
French Camps †	82	31	60.2	7.03	
Fulton †	80	32	58.0	19.12	
Greenville *a*	82	38	59.0	11.37	
Greenville *b* †	86	36	60.5	11.48	
Hattiesburg †	87	40	67.9	3.70	
Hernando	77	33	55.6	.....	
Holly Springs	78	30	52.2	16.35	
Jackson †	88	39	64.2	5.62	
Kosciusko	82	33	61.8	5.18	
Lake	83	33	61.1	5.78	
Leakesville †	88	37	67.9	8.80	
Logtown †	85	44	68.9	15.84	
Louisville †	83	33	61.4	6.20	
Macon †	85	36	60.6	5.31	
Magnolia †	86	37	67.2	7.93	
Mayersville	84[c]	39[c]	62.2[c]	6.50	
Meridian †	86	36	63.2	6.08	
Mosspoint	83	35	67.4	15.35	
Natchez †	86	36	66.8	7.65	
Palo Alto †	81	37	59.5	11.46	
Pontotoc	83	27	57.4	16.73	
Poplarville	80	40	66.9	.....	
Port Gibson †	88	35	65.4	4.26	
Stonington *[1]	86	44	65.3	.....	
Thornton †	85	44	62.0	4.20	
Topton *[5]	82	44	64.8	6.00	
Water Valley *†[1]	79	34	57.2	15.50	
Waynesboro *b*	86	24	62.6	7.01	
Woodville †	83	40	66.1	4.93	
Yazoo City †	91	32	62.8	5.14	
Missouri.					
Akron	.....	.....	.....	4.07	9.5
Appleton City	79	12	46.1	3.24	T.
Arlington †	.....	.....	.....	5.96	
Arthur *†[3]	.....	14	44.3	4.65	T.
Avalon	71	1	40.9	3.27	0.5
Bagnell †	.....	.....	.....	7.82	
Bethany	65	19	39.8	3.13	T.
Birchtree	79	18	48.2	11.69	
Bolckow †	.....	.....	.....	1.75	7.0
Boonville †	.....	.....	.....	4.36	1.0
Brunswick	72	6	39.1	3.45	0.8
Carrollton †	70	8	43.2	3.21	
Conception	65	0	38.7	1.79	3.8
Cowgill *[5]	66	2	39.2	3.04	T.
Darksville †	68	7	40.5	7.15	0.5
East Lynne *[3]	.....	8	41.4	4.07	T.
Edgehill *[5]	74	20	46.8	10.37	0.2
Eightmile *[1]	72	10	42.9	4.42	T.
Elmira	79	0	42.0	1.84	0.4
Emma *[3]	.....	8	41.4	2.66	0.1
Fairport	.....	.....	.....	2.74	4.0
Farmersville	.....	.....	.....	2.65	2.5
Fayette	74	8	43.4	5.57	0.5
Fulton	.....	.....	.....	6.34	T.
Gallatin *[1]	68	0	39.6	3.57	0.8
Glasgow	72	7	43.0	5.40	
Gordonville *[3]	.....	27	46.4	15.23	0.8
Gorin	.....	.....	.....	2.63	T.
Grovedale	76	15	46.2	9.21	0.8
Halfway	77	14	46.1	6.52	T.
Harrisonville †	77	8	42.6	3.24	T.
Hastain	75	16	46.4	6.45	T.
***Missouri*—Cont'd.**					
Hermann †	.....	.....	.....	7.15	
Houston	78	24	49.6	10.88	T.
Houstonia	.....	.....	.....	3.10	0.2
Humansville	79	13	47.0	6.28	T.
Irena	.....	.....	.....	4.71	9.0
Ironton †	79	21	47.7	10.18	T.
Jefferson City †	76	15	45.0	7.00	
Kidder	72	0	39.8	2.74	1.3
Lamar †	78	15	47.0	4.84	
Lamonte	.....	.....	.....	3.18	T.
Lebanon	78	15	47.4	10.04	
Lexington †	74	7	43.2	2.71	T.
Liberty	75	4	42.6	2.88	0.5
McCune *†[1]	76	13	42.0	5.08	0.8
Macomb	.....	.....	.....	7.61	T.
Mansfield	.....	.....	.....	8.25	
Marblehill	77	25	47.2	12.63	
Marshall †	73	7	42.3	3.74	0.2
Maryville	67	1	35.4	1.51	5.2
Mexico †	74	11	41.8	7.13	0.2
Mine La Motte †	76	22	48.2	10.42	1.0
Mineralspring	76	14	49.2	7.01	T.
Montreal *[1]	75	16	44.8	10.94	0.5
Mount Vernon	82	16	50.3	8.56	
Neosho	93	22	51.5	5.65	T.
Nevada *[1]	75	16	47.0	3.64	T.
New Haven *[1]	72	20	46.3	7.15	
New Madrid	.....	.....	.....	14.52	
New Palestine *†[1]	71	15	45.3	5.42	T.
Oakfield	75	19	46.0	9.27	T.
Oakmound	.....	.....	.....	9.57	
Oakridge *[4]	.....	26	45.7	12.71	2.0
Olden †	77	17	47.2	9.86	
Oregon *a*	78	− 2	40.6	2.07	5.6
Oregon *b* *[1]	68	− 4	38.3	2.27	6.0
Osceola †	.....	.....	.....	5.66	
Oto	.....	.....	.....	5.20	T.
Palmyra *[5]	72	14	41.2	5.20	6.0
Phillipsburg *†[1]	76	13	46.2	7.70	T.
Pickering *[3]	70	− 5	38.8	2.04	7.5
Platte River *[3]	76	− 2	37.6	2.25	1.0
Poplar Bluff	77	27	52.7	11.25	
Potosi	68	12	40.0	2.73	1.0
Princeton	69	0	38.4	5.43	2.0
Rhineland	74	17	45.4	6.97	T.
Richmond	72	6	41.3	2.18	T.
Rolla	.....	.....	.....	8.77	1.1
St. Charles	76	17	44.6	10.67	T.
St. James *[3]	.....	16	43.7	.....	1.5
St. Joseph †	.....	.....	.....	1.91	2.0
St. Louis	77	20	44.8	8.42	T.
Sarcoxie *[3]	78	16	45.4	7.13	
Sedalia	72	9	44.4	3.83	
Seymour *[1]	78	12	44.5	7.19	T.
Shelbina	.....	.....	.....	5.30	
Sikeston	76	30	52.0	10.02	
Steffenville	.....	.....	.....	5.81	1.0
Stellada †	75	9	44.6	5.10	0.5
Sublett	70	0	38.4	7.10	2.0
Trenton	66	2	39.6	3.00	1.0
Virgil City	.....	.....	.....	5.62	T.
Warrenton	75	15	42.3	8.98	0.5
Wheatland	.....	.....	.....	5.73	T.
Willow Springs	80	17	49.2	11.59	
Zeltonia *[1]	81	28	48.6	8.61	
Montana.					
Augusta †	61	−25	21.5	0.30	3.0
Bigtimber †	50	−20	20.0	0.25	2.5
Boulder [d]	57	−23	21.3	.....	.....
Bozeman †	62	−16	23.9	1.10	11.0
Bozeman Exper. Stat'n.	57	−12	22.6	0.73	7.3
Butte †	52	−15	21.7	1.04	10.3
Castle	53	−18	21.4	0.51	5.1
Chinook †	50	−36	13.6	0.40	4.0
Choteau †	62	−23	21.0	1.30	13.0
Columbia Falls	49	−11	24.4	1.62	16.2
Deer Lodge	52	−21	19.2	0.77	7.7
Ekalaka	54	−27	19.4	1.10	7.7
Fort Benton	70	−35	22.4	0.30	3.0
Fort Custer †	55	−24	23.8	1.72	17.2
Fort Keogh †	55	−36	14.7	1.87	18.6
Fort Logan †	63	−38	20.4	0.74	7.4
Fort Missoula	53	− 6	28.0	0.42	2.8
Glendive †	54	−28	13.2	2.50	10.0
Greatfalls †	68	−22	27.8	1.05	10.4
Hogan †	56	−25	17.6	0.70	7.0
Kalispell	52	−10	24.9	0.34	3.0
Kipp †	54	−32	17.8	0.70	6.0
Libby †	60	− 8	30.9	2.03	12.0
Livingston †	61	−12	26.4	0.49	4.9
Manhattan *[5]	61	−14	25.0	T.	T.
Martinsdale †	56	−23	22.9	0.80	6.0
Marysville †	54	−16	19.9	0.98	9.8
Monarch	56	−26	20.8	0.80	8.0
Poplar †	52	−34	10.1	1.60	10.0
Radersburg	75	−32	20.4	0.40	4.0

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Montana—Cont'd.	°	°	°	*Ins.*	*Ins.*
St. Ignatius Mission †	70	— 3	30.9	0.83	8.1
St. Pauls †	50	—26	20.5	2.50	25.0
Sun River	58	—31	20.8	0.20	2.0
Troy	61	1	31.2	2.73	6.5
Utica †	53	—25	20.4	0.71	7.1
Virginia City †	55	—15	22.2	2.35	23.5
Wibaux †	.....	.....	.....	1.08	6.0
Yale †	62	—26	21.7	1.45	14.5
Nebraska.					
Agee *[1]	61	— 3	28.6	1.34	0.5
Alliance *[1]	63	— 4	28.4	1.21	6.0
Ansley †	72	— 5	34.2	1.46	3.0
Arapaho *[1]	70	— 8	34.2	0.86	0.2
Arborville *[1]	66	— 4	33.8	2.61	6.5
Arcadia	72	6	35.9	2.50	2.0
Ashland *a* †	66	— 7	35.0	1.23	3.5
Ashland *b* *[1]	72	— 3	34.7	1.68	2.1
Ashton	69	— 3	34.0	1.48	6.5
Auburn *† [1]	70	— 9	38.9	2.17	8.0
Aurora *[1]	78	7	35.6	2.31	4.0
Bassett	63[e]	—12[e]	27.1[e]	2.35	1.5
Beatrice †	72	— 6	36.0	4.20	6.0
Beaver City †	78	3	39.6	1.30	5.5
Bluehill *[1]	70	5	38.0	0.88	1.5
Brokenbow *[1]	70	0	35.6	1.60	1.0
Burchard	.....	.....	.....	2.85	11.0
Burwell	.....	.....	.....	1.60	0.5
Callaway †	69	5	33.8	1.28	3.0
Central City *[5]	75	9	38.4	1.40	2.0
Chester *[1]	74	3	37.6	0.78	0.5
Columbus †	65	— 1	33.1	1.90	4.0
Creighton †	59	— 9	28.6	2.58	.....
Crete	71	— 6	36.4	3.07	4.0
Culbertson	.....	.....	.....	1.90	12.5
Curtis *a*	76	5	40.8	2.58	13.0
David City *† [1]	62	1	33.6	1.75	7.0
Divide	.....	.....	.....	1.12	1.5
Dunning *[1]	54	4	33.6	0.26	2.0
Edgar *[5]	66	8	36.6	1.08	4.0
Elba	.....	.....	.....	1.58	11.0
Ericson *† [1]	72	3	32.1	2.64	T.
Ewing †	.....	.....	.....	1.93	1.8
Fairbury †	77	— 5	38.3	1.15	2.0
Fairmont †	72	5	37.8	2.68	4.3
Filley	.....	.....	.....	2.14	7.0
Fort Robinson	70	—14	31.2	0.50	5.0
Franklin †	81	3	38.8	0.61	6.0
Fremont †	63	2	33.4	1.90	3.5
Geneva †	76	— 3	36.2	1.61	3.5
Genoa	62	— 5	33.0	1.81	5.5
Gering †	76	— 5	34.0	1.08	4.9
Gothenburg	71	3	36.4	1.06	4.0
Grand Island *a* *[1]	81	8	39.0	2.25	12.8
Grand Island *b*	73	— 3	37.2	2.54	13.2
Greeley *[1]	72	3	32.6	0.31	3.1
Haigler	.....	.....	.....	0.70	7.0
Hartington †	58	—11	26.6	3.01	2.0
Harvard *[1]	69	4	34.3	1.86	6.0
Hastings *[1]	69	8	35.5	1.58	7.5
Hayes Center	.....	.....	.....	1.86	13.0
Hay Springs	67	—13	31.4	2.68	4.1
Hebron †	77	— 2	38.2	1.33	1.8
Hickman	.....	.....	.....	1.40	2.5
Holdrege *b* *[1]	72	8	37.4	2.30	14.0
Imperial *a* †	71	— 2	36.1	2.05	18.0
Indianola (near) *[1]	69	9	35.9	1.10	7.5
Kearney *[5]	70	8	36.0	1.08	9.8
Kennedy	68	— 3	31.6	1.63	0.2
Kimball †	68	— 5	32.9	1.70	17.0
Kirkwood *[1]	61	— 5	24.8	0.99	0.5
Lexington †	74	2	36.1	1.59	.....
Lincoln *b* †	70	— 3	36.3	1.39	1.0
Lincoln *d*	69	7	35.5	1.51	0.6
Lodgepole †	79	— 2	34.8	2.25	5.0
Loup *a* *[1]	68	5	34.8	0.72	.....
Loup *b* *[1]	70	0	34.3	1.32	3.0
Lynch *† [1]	62	— 6	29.1	1.73	1.2
Lyons	.....	.....	.....	1.31	0.2
McCook *[1]	82	10	36.8	0.85	8.5
McCool	.....	.....	.....	3.12	.....
Madison *[1]	60	— 6	28.9	1.58	0.5
Madrid *[5]	70	5	34.6	1.36	7.2
Marquette	.....	.....	.....	1.93	3.5
Milford *[3]	69	3	31.0	4.25	9.0
Minden *a* *[1]	71	6	35.3	1.93	10.1
Minden *b*	.....	.....	.....	1.56	.....
Nebraska City *a*	70[b]	— 6[d]	33.5[e]	1.85	7.0
Nebraska City *b* *[1]	70	— 7	38.0	1.75	7.0
Nemaha *[1]	68	— 8	35.6	.....	.....
Nesbit	64	— 3	34.0	0.47	1.0
Norfolk †	59	— 2	27.1	1.55	0.4
Norman	72	— 2	36.2	0.99	3.7
North Loup †	66	— 7	34.3	1.42	.....
Oakdale †	60	— 8	29.8	1.78	1.1
Odell *[5]	70	12	40.2	2.36	4.0
O'Neill †	65	— 6	28.5	1.69	0.8
Nebraska—Cont'd.	°	°	°	*Ins.*	*Ins.*
Ord	.....	.....	.....	1.57	.....
Osceola	.....	.....	.....	2.37	.....
Ough †	.....	.....	.....	2.19	15.5
Palmer *b*	.....	.....	.....	3.17	4.0
Plattsmouth *a* †	.....	.....	.....	1.85	5.5
Ravenna *a*	72	— 4	35.4	1.61	7.1
Ravenna *b* *[1]	70	10	37.5	1.78	11.0
Redcloud *a*	.....	.....	.....	0.93	.....
Redcloud *b* *[1]	76	10	37.6	1.73	7.2
Republican *[1]	78	11	37.0	0.70	1.0
Rulo *[1]	68	4	41.7	2.50	6.0
St. Libory	70	2	35.4	1.87	8.0
St. Paul	68	6	37.0	1.89	8.5
Salem *[1]	70	2	41.3	2.41	6.0
Santee Agency †	60	— 8	28.0	1.33	1.8
Sargent	.....	.....	.....	0.97	.....
Schuyler	.....	.....	.....	1.21	1.0
Seneca *[1]	70	3	34.6	1.59	1.0
Seward *[1]	64	3	35.6	3.34	T.
Springfield *[1]	67	— 6	34.1	1.57	2.4
Springview	.....	— 8	.....	0.50	0.0
Stanton *[1]	59	— 1	31.3	1.52	T.
State Farm	70	2	36.8	1.58	.....
Strang *[1]	70	3	37.4	1.63	6.0
Stratton	.....	.....	.....	2.22	.....
Stromsburg	.....	.....	.....	1.45	5.0
Superior *[5]	72	8	38.5	1.30	0.5
Sutton	.....	.....	.....	3.18	5.6
Syracuse	.....	.....	.....	1.15	T.
Tecumseh *b* †	72	6	38.6	2.23	7.0
Tekamah	65	— 6	34.4	1.23	2.5
Thedford *[1]	68	— 8	34.9	0.66	0.6
Turlington †	67	—10	35.2	1.49	5.0
Valentine †	67	— 5	31.1	1.50	.....
Wakefield	.....	.....	.....	1.73	1.2
Wallace *[1]	69	5	31.1	1.35	9.0
Weeping Water *[1]	65	—10	33.7	1.09	5.5
Westpoint †	76	2	35.9	2.24	.....
Whitman	.....	.....	.....	1.05	0.5
Wilber *[1]	70	2	37.5	1.52	1.0
Willard	.....	.....	.....	0.45	.....
Wisner	.....	.....	.....	3.25	.....
Woodlawn	.....	.....	.....	1.39	.....
York *[1]	60	0	35.1	2.80	.....
Nevada.					
Austin	55	6	27.6	1.79	17.3
Battle Mountain *[1]	65	11	31.7	0.54	6.1
Beowawe *[1]	64	12	31.5	0.49	5.5
Candelaria	79	11	35.1	0.61	8.5
Carlin *[1]	53	—10	26.4	1.18	13.0
Carson City	65	10	33.7	2.88	24.5
Cloverdale *[1]	66	13	32.0	1.49	16.0
Clover Valley	.....	.....	.....	2.08	23.0
Cranes Ranch	.....	.....	.....	1.84	13.0
Darrough Ranch	.....	.....	.....	1.34	14.0
Downeyville	72	15	39.0	0.97	7.0
Duckwater	60	6	29.3	0.68	7.5
Elko *[8]	58	— 2	31.3	3.55	32.0
Ely	54	—12	22.6	2.65	26.5
Empire Ranch	55	— 5	25.2	1.70	15.0
Fenelon *[1]	55	— 4	22.0	2.20	22.0
Golconda *[1]	50	16	31.3	0.57	6.5
Halleck *[1]	50	— 5	25.5	2.13	20.0
Hamilton	53	—19	24.8	2.43	24.3
Hawthorne *a* *[8]	65	24	38.5	0.59	4.5
Hawthorne *b*	67	18	37.9	0.35	4.5
Hot Springs *[1]	68	22	37.2	T.	T.
Humboldt *[1]	63	14	35.0	0.79	8.8
Keysers Springs	.....	.....	.....	0.43	3.5
Lewers Ranch	62	7	33.2	4.34	25.9
Los Vegas	68	22	44.3	0.50	T.
Lovelock *[1]	62	19	39.9	0.41	4.5
McGill [b]	57	— 9	27.5	0.43	4.0
Midas	57	8	28.6	2.58	26.0
Mill City *[1]	57	15	35.7	0.18	2.0
Osceola	59	5	30.5	1.08	17.8
Palisade *[1]	57	4	31.7	0.65	7.0
Palmetto	62	2	30.6	3.05	30.5
Reno *[8]	68	18	38.8	.....	6.0
Reno State University	61	— 3	32.2	0.72	5.5
Ruby Valley	.....	.....	.....	1.36	20.0
St. Clair	66	12	36.0	0.15	1.5
St. Thomas	80	27	47.9	1.24	0.0
San Antonio	62	4	32.6	0.78	10.2
Sodaville	72	7	36.8	0.18	4.5
Tecoma *[1]	57	17	32.1	0.14	1.0
Toano *[1]	58	8	28.2	1.35	15.0
Tuscarora	62	— 9	22.5	3.57	32.0
Tybo	57	3	27.4	1.15	18.0
Verdi *[1]	60	7	28.4	2.75	17.5
Wadsworth *[1]	72	14	36.4	0.23	1.5
Wells	54	—12	26.6	1.30	14.5
New Hampshire.					
Bethlehem	50	—12	27.2	2.43	17.0
Concord	53	—10	31.6	3.87	16.0
Durham	56	— 6	32.6	4.40	.....
New Hampshire—Cont'd.	°	°	°	*Ins.*	*Ins.*
Grafton †	56	—20	27.5	2.59	17.0
Hanover	49	—14	29.0	3.05	13.0
Keene	56	—12	31.2	4.08	14.8
Lancaster	48	—28	26.3	2.73	13.6
Nashua	59	— 4	32.8	3.73	7.2
Newton	55	— 6	32.4	3.81	4.5
North Conway	56	—14	28.8	4.12	40.0
Plymouth	50	—20	27.6	3.49	20.5
Sanbornton †	49	—10	28.1	3.24	17.0
Stratford	53	—22	28.0	2.84	13.0
Warner	.....	.....	.....	4.28	10.0
West Milan	47	—25	25.7	3.57	17.0
New Jersey.					
Allaire	66	21	43.1	.....	T.
Asbury Park	62	17	41.1	2.64	T.
Barnegat	69	21[e]	43.2[d]	2.74	
Bayonne	67	16	41.0	2.66	3.0
Beachhaven	59	22	40.9	2.62	T.
Belvidere	68	14	39.0	3.26	4.5
Beverly †	71	18	42.4	2.38	T.
Billingsport *[1]	61	22	41.3	2.28	
Blairstown	72	16	39.8	2.58	4.5
Boonton	65	11	38.2	3.50	6.6
Bridgeton	75	25	45.6	3.37	T.
Camden	68	20	42.5	2.08	T.
Cape May	66	22	42.9	2.84	
Cape May C. H. †	68	21	43.1	2.57	
Charlotteburg	62	8	36.6	3.45	4.0
Chester	63	11	37.0	4.32	5.0
Clayton	70	20	42.8	2.08	T.
College Farm †	65	16	40.4	2.47	1.8
Deckertown	64	10	38.0	2.81	2.5
Dover	66	10	37.4	3.36	5.0
Egg Harbor City	72	16	42.0	3.13	T.
Egg Island	.....	.....	.....	1.55	
Elizabeth †	69	15	40.6	3.08	
Englewood	65	14	38.1	2.88	2.8
Franklin Furnace	66	11	37.6	2.64	4.5
Freehold	66	18	41.4	2.61	
Friesburg	.....	.....	.....	2.13	
Gillette	66	10	37.9	2.82	2.0
Hammonton	.....	.....	.....	2.56	
Hanover	62	14	39.6	2.89	1.0
Hightstown	70	20	41.7	2.70	T.
Imlaystown	69	19	42.8	1.90	T.
Junction	.....	.....	.....	2.27	3.5
Lambertville	68	18	40.6	2.54	1.0
Moorestown	68	18	42.2	2.75	T.
Newark *a*	65	16	40.3	3.07	1.0
Newark *b* †	66	16	40.6	2.84	2.2
New Brunswick *a*	72	16	42.2	2.92	1.0
New Brunswick *b*	63	17	39.6	2.60	1.3
Newton	61	10	37.2	3.32	.....
Ocean City	67	26	41.3	2.87	T.
Oceanic	67	23	42.8	2.61	1.0
Paterson	70	16	41.6	3.16	5.5
Plainfield	64	15	40.0	2.91	2.2
Rancocas	.....	.....	.....	2.46	T.
Readington *[6]	70	18	41.8	.....	.....
Rivervale	67	13	38.8	3.91	5.0
Sergeantsville	66	13	40.0	2.94	0.5
Somerville	69	11	40.2	2.75	.....
South Orange	63	15	39.5	2.56	4.0
Staffordville	.....	.....	.....	2.92	T.
Toms River	68	17	41.6	2.58	.....
Trenton	68	22	44.8	2.40	T.
Vineland	77	17	43.4	2.56	0.2
Woodbine	74	15	40.5	2.28	.....
New Mexico.					
Albert	76	15	45.0	0.55	.....
Albuquerque †	78	18	45.5	0.72	5.0
Alma	76	9	44.6	0.57	.....
Angus V. V. Ranch	65	10	39.8	0.50	T.
Aztec †	66	12	35.6	0.94	3.5
Bernalillo †	75	18	45.6	0.68	2.5
Bluewater †	67	5	35.6	0.40	4.0
Buckmans	54	—11	24.6	2.29	23.0
Chama †	63	—11	29.2	5.53	55.0
Clayton	76	8	43.0	0.00	
Deming *[8]	78	23	46.9	0.42	.....
East Lasvegas †	66	2	39.9	1.43	6.2
Eddy	83	24	56.0	0.33	
Engle †	72	19	47.0	1.01	
Espanola †	69	— 3	40.6	0.94	3.0
Fort Bayard	71	9	41.3	1.05	1.0
Fort Union	70	9	38.1	0.82	T.
Fort Wingate	64	5	36.8	1.60	.....
Galisteo †	64	9	38.3	0.66	4.0
Gallinas Spring †	72	9	43.5	1.53	2.0
Gila	75	19	47.2	0.87	
Gold Hill †	45	—11	14.2	3.20	32.0
Hillsboro †	74	19	48.6	0.50	
Labelle †	54	— 7	25.0	3.80	38.0
Las Cruces †	79	15	50.0	0.46	
Lordsburg *[8]	72	27	50.0	0.12	
Los Lunas †	76	12	43.7	0.15	

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
New Mexico—Cont'd.	°	°	°	*Ins.*	*Ins.*
Monero†	53	— 7	22.8	2.31	15.0
Ocate†	63	4	36.8	0.80	7.5
Olio	72	14	44.1	T.	T.
Puerto de Luna†	76	22	47.5	0.80	8.0
Raton†	71	5	38.2	0.40	4.0
Rincon†	79	19	50.3	0.00	
Roswell†	81	21	51.2	0.59	
San Marcial†	80	17	49.6	0.34	
Shattucks Ranch	75	6	46.0	0.23	T.
Socorro†	74	18	47.6	0.58	
Springer†	74	7	40.4	0.65	0.5
Valley Ranch	64	5	36.7	1.10	T.
White Oaks†	67	23	48.6	1.21	23.0
Winsors Ranch	56	10	28.2	2.24	0.5
New York.					
Addison	67	2	36.1	2.29	1.7
Akron				2.89	
Alfred	65	— 8	33.1	3.24	7.4
Angelica†	67	— 6	33.0	4.21	10.5
Appleton	60	— 7	33.2	2.93	2.5
Arcade	64	0	32.0	2.80	9.0
Atlanta				2.18	
Avon	68	—10	34.6	1.87	
Baldwinsville	59	2	34.2	5.13	13.0
Bedford	68	10	37.6	2.72	4.7
Big Sandy*[10]	50	— 6	29.2		
Binghamton†	65	— 2	34.4	2.92	6.2
Bolivar	67	— 3	34.2	3.37	5.0
Boyds Corners				3.68	6.8
Brentwood	67	14	38.5	4.40	2.0
Brooklyn	60	18	39.8	3.63	2.0
Canajoharie	53	0	33.0	3.08	2.0
Canton	51	—13	28.8		
Carmel	63	7	36.4	3.34	6.5
Catskill	60	4	35.4	2.05	4.0
Charlotte*[10]	44	10	32.1		
Cherry Creek				4.58	
Cooperstown†	51	— 7	30.3	3.31	9.0
Cortland	65	5	33.8	1.55	
De Kalb Junction				3.19	
Dryden	65	— 1	33.1	3.37	0.2
Eagle Mills				3.41	
Easton				3.80	
Elmira†	64	2	36.5	2.41	
Fleming	62	6	34.5	2.19	4.0
Fort Niagara†	62	3	33.9	2.50	
Franklinville	64	— 5	33.1	3.04	10.0
Friendship	69	— 4	35.6	2.59	6.5
Fulton				3.35	
Glens Falls	56	— 4	31.0	4.32	15.5
Gloversville	53	— 9	29.8	5.41	19.3
Haskinsville				2.46	
Honeymead Brook	61	4	34.0	2.56	5.7
Humphrey†	65	5	34.2	2.19	12.7
Ithaca	68	3	34.8	3.04	3.6
Jamestown	66	10	36.2	5.52	17.0
Kings Station				4.95	
Lake George	62	—10	31.8	3.97	13.8
Lebanon Springs	55	— 9	32.0	2.88	4.5
Little Falls	51	3	28.4	4.46	14.5
Lockport	64	2	35.3	2.34	
Lowville	53	—22	29.2	2.97	10.0
Lyons	62	0	35.2	2.37	2.0
Madison Barracks†	55	—15	29.8	2.41	3.4
Mohonk Lake	54	4	32.4	4.00	8.0
Mount Morris				2.70	1.0
Newark Valley				2.74	
New Lisbon	59	—10	29.9	2.90	13.8
Niagara Falls				2.96	
North Hammond†	54	— 6	31.2	4.82	10.0
North Lake[6]	54	—25	23.0	7.20	28.0
Number Four†	51	—16	26.5	4.25	18.9
Ogdensburg	49	— 8	28.3	4.18	26.5
Oneonta	64	— 3	35.0	3.50	
Oxford	60	— 3	31.4	4.08	8.5
Palermo†	57	— 9	31.2	4.15	4.5
Perry City	67	6	32.6	2.66	5.1
Phœnix				4.52	
Pine City				2.30	
Pittsford	57	2	35.0	3.32	
Plattsburg Barracks†	52	—12	27.8	2.26	
Port Jervis	65	9	36.0	2.74	2.0
Potsdam	48	—10	27.7	2.70	14.0
Poughkeepsie	61	5	35.2	3.00	7.5
Primrose	63	13	38.4	2.83	3.5
Ridgeway	61	— 1	34.2	2.66	4.4
Rome	51	5	29.4	4.90	
Romulus	66	4	35.8	3.80	4.8
St. Johnsville	52	— 3	31.0	2.54	7.9
Saranac Lake	52	—20	27.8	2.70	9.5
Setauket†	59	17	39.1	2.80	1.5
Sherwood				2.99	
Skaneateles				4.13	
South Canisteo	70	— 3	34.8	3.01	4.0
Southeast Reservoir				3.49	5.2
South Kortright†	59	— 6	31.7	2.59	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
New York—Cont'd.	°	°	°	*Ins.*	*Ins.*
Straits Corners	63	— 3	33.4	2.82	3.9
Wappingers Falls	61	8	37.6	2.79	4.2
Warwick				1.96	
Watertown	59	6	32.2	3.60	
Waverly†	68	0	36.4	1.89	0.8
Wedgwood	67	1	33.6	2.54	3.0
Westfield	61	5	35.8	1.84	T.
Westpoint†	63	11	36.7	3.35	5.5
Willetspoint	64	18	39.0	3.70	
North Carolina.					
Asheville†	77	20	50.1	7.08	T.
Beaufort†	77	35	55.4	3.60	
Biltmore†	80	22	51.0	6.52	T.
Bryson City†				11.93	
Chapelhill†	81	28	51.0	4.52	
Experimental Farm	78	29	53.0	4.68	
Fairbluff†				2.76	
Falkland				6.67	
Fayetteville†	84	28	54.0	4.05	T.
Greensboro†	81	27	53.4	5.07	
Henderson†	80	29	51.0	5.83	T.
Highlands	66	15	45.5	7.35	T.
Horse Cove†	74	24	49.1	8.80	T.
Lenoir*†[1]	74	27	50.3	8.97	
Linville†	67	20	43.7	6.92	2.0
Littleton†	75	27	49.0	4.54	
Louisburg†	80	27	52.8	4.49	T.
Lynn*†[2]	79		50.6	7.20	
Marion	80	23	51.8	6.04	
Mocksville	79	29	53.0	6.46	
Moncure†	81	28	53.6	5.23	T.
Monroe†	78	25	53.0	6.07	
Morganton*†[1]	72	22	47.0	6.29	
Mountairy†	76	24	49.2	5.12	
Mount Pleasant	80	27	52.4	6.35	
Murphy†				11.98	
Newbern†	79	36	57.4	3.85	
Oakridge†	76	25	49.8	5.21	T.
Pantego*[2]	84	32	51.5	5.16	
Pittsboro†	78	26	50.8	5.82	
Rockingham†	81	30	55.0	4.81	
Roxboro†	77	25	48.8	5.57	T.
Salem†	78	26	51.8	6.37	
Salisbury†	78	29	52.6	5.78	
Saxon†	80	23	51.1	4.84	T.
Selma	82	29	53.8	8.27	T.
Settle	80	24	50.4	6.61	
Skyuka	66	31	48.0	10.78	
Sloan†	82	27	55.2	4.16	
Soapstone Mount†	80	24	52.0	4.90	T.
Southern Pines *a*†	85	27	54.5	4.50	
Southern Pines *b*	83	28[c]	54.3	4.41	
Southport†	78	31	56.6	2.65	
Springhope*[1]	77	29	51.1	4.35	T.
Tarboro	85	25	52.2	4.72	T.
Waynesville†	75	19	50.8	9.23	
Weldon†	79	26	51.4	4.58	
Willeyton	81	27	51.9	5.18	
North Dakota.					
Amenia	44	—34	12.7	0.99	5.1
Ashley†	46	—36	12.2	0.97	7.0
Bordulac	44	—35	11.8		
Buxton	44	—29	11.8	0.89	6.7
Churchs Ferry	42	—38	9.4	0.98	7.0
Coalharbor†	46	—32	10.8	1.25	7.5
Devils Lake†	45	—34	11.8	1.40	4.5
Dickinson†	50	—17	15.6	2.21	13.0
Dunseith	58	—26	17.2		
Falconer	44	—41	12.5	0.03	0.0
Fargo†	52	—37	10.4	0.96	
Forman†	47	—34	15.8	0.99	10.0
Fort Berthold†	50	—46	14.5	3.37	18.0
Fort Yates†	56	—33	15.3	3.00	12.0
Gallatin†	45	—44	12.2	0.77	4.0
Grafton†	44	—34	11.3	0.95	8.0
Grand Rapids†	41	—41	12.0	2.45	21.6
Hamilton	44	—30	11.1	1.93	11.8
Jamestown†		—28[1]		0.74	5.2
Larimore†	41	—30	11.0	1.12	8.0
McKinney	40	—48	4.8	1.52	9.9
Mayville	46	—27	14.0	0.85	8.5
Medora†	55	—32	14.4	1.67	7.5
Milton†	44	—37	8.4		10.0
Minot†	46	—40	9.8	1.82	11.7
Minto†	46	—29	14.2	1.16	8.0
Napoleon†	40	—32	11.0	0.70	5.5
New England City†				1.90	8.0
Oakdale†	52	—22	14.6	1.80	11.0
Portal†	51	—42	5.8	0.39	1.4
Power†	48	—38	13.2	0.55	5.5
St. John†	40	—25	12.2	0.85	7.0
Sheyenne	43	—39	11.2	0.83	6.5
Steele†	42	—35	10.8	0.70	7.0
Towner†	44	—42	7.0		
University†	50	—28	14.2	0.78	6.3
Valley City†	42	—33	9.2	0.80	7.0

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
North Dakota—Cont'd.	°	°	°	*Ins.*	*Ins.*
Wahpeton†	52	—33	18.0		
Wildrice†[2]			13.4	1.71	11.4
Willow City†	42	—45	8.0		
Woodbridge†	43	—38	8.2	0.66	2.6
Ohio.					
Akron	67	16	39.4	4.30	13.0
Annapolis	75	20	40.6	3.98	0.5
Ashland	66	18	38.1	3.63	6.0
Ashtabula	58	8	36.4	3.25	2.0
Atwater				3.60	10.0
Auburn	70	9	34.6	4.23	12.0
Bangorville	68	17	39.6	4.32	2.5
Basil				4.97	1.5
Bellefontaine	72	12	39.9	5.04	2.2
Bement				5.48	4.3
Benton Ridge	74	14	40.4	2.82	7.2
Bethany	74	24	46.0	7.76	
Bigprairie	71	20	40.8	3.00	
Binola	67	19	42.5	3.25	4.0
Bissells	66	12	38.2	3.60	6.5
Bladensburg	72	17	41.5	5.03	1.5
Bloomingburg	71	21	43.4	6.10	1.0
Bowling Green	67	7	38.5	4.42	6.2
Cambridge	72	13	42.0	4.64	3.0
Camp Dennison	74	26	47.0	9.91	0.4
Canal Dover	72	20	41.4	4.52	1.0
Canfield				5.00	
Canton†	71	21	41.6	3.05	0.9
Carrollton	77	20	41.8	3.67	T.
Cedarville				7.64	1.0
Celina	71	21	44.6	4.32	0.5
Cherryfork	74	20	45.5	5.98	3.0
Circleville	74	25	45.2	4.85	T.
Clarksville	72	22	44.4	7.86	0.2
Cleveland *a*	62	16	38.5	2.98	3.2
Cleveland *b*	62	15	37.7	2.40	1.5
Clifton	75	19	43.0	6.94	2.2
Coalton	75	21	45.9	4.13	0
Colebrook	64	5	37.4	2.96	3.5
Dayton *a*	73	21	44.8	6.61	T.
Dayton *b*†				6.65	0.1
Defiance	68	11	38.2	4.40	2.6
Delaware†	72	16	43.0	4.99	3.0
Demos	69	22	42.0	4.01	4.0
Dupont	71	17	37.5	3.94	1.0
Elyria	65	16	39.1	3.25	1.0
Fairport Harbor*[10]	60	18	36.6		
Fayetteville	70	23	44.6	8.59	0.5
Findlay	71	15	39.2	4.21	6.5
Frankfort	74	22	45.0	6.76	T.
Garrettsville†	69	12	39.2	4.21	8.0
Granville	73	20	43.2	6.56	3.0
Gratiot	70	21	42.6	5.29	7.1
Greenfield				7.50	1.0
Greenhill	71	19	40.6	3.37	1.0
Greenville	66	19	41.7	5.85	T.
Hackney				4.42	
Hanging Rock	75	22	47.4	4.12	T.
Hedges	68	13	38.4	4.14	5.5
Hillhouse	63	8	36.8	2.60	6.0
Hillsboro†	76	21	45.4	5.75	T.
Hiram	68	12	37.8	4.58	7.5
Hudson	68	13	39.0	3.29	T.
Jacksonboro	76	22	42.8	8.15	T.
Kenton†	74	17	41.8	6.05	3.4
Killbuck	72	18	41.0	4.03	1.5
Lancaster	70	22	43.2	5.39	2.0
Leipsic	69	14	38.3	3.54	5.5
Levering	71	8	37.7	3.79	2.0
Logan	79	19	44.6	4.41	
Lordstown	72	18	39.0	3.68	8.0
McArthur	74	20	44.8	4.62	T.
McConnelsville†	77	21	44.8	4.24	5.0
Mansfield†				5.30	2.0
Marietta *a*†				4.25	5.0
Marietta *b*	72	25	44.6	4.30	5.5
Marion	75	18	42.0	4.29	0.5
Medina	70	17	40.0	5.25	12.0
Milfordton	72	17	38.8	5.68	5.0
Milligan	78	21	45.3	4.06	3.0
Milliport	68	18	40.8	3.76	1.0
Montpelier	64	11	35.8	4.26	4.0
Napoleon	66	13	37.7	4.05	1.9
Neapolis				4.33	4.0
New Alexandria	70	21	42.0	4.40	T.
New Berlin	69	17	40.1	3.57	
New Bremen	68	12	40.6	5.56	
New Comerstown	71	22	42.4	4.52	T.
New Holland	73	22	43.8	6.23	3.0
New Moscow				4.55	T.
New Paris	68	20	41.8	7.58	0.3
New Waterford				4.02	3.5
North Lewisburg	73	20	40.7	6.55	1.0
North Royalton	70	15	38.8	4.10	4.0
Norwalk	69	18	39.2	3.45	3.5
Oberlin	67	16	42.4	3.67	

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Ohio—Cont'd	°	°	°	*Ins.*	*Ins.*
Ohio State University	72	20	42.6	6.19	0.8
Orangeville	66	8	38.4	3.80	5.0
Ottawa	71	17	40.7	3.90	4.5
Pataskala †	72	19	42.7	6.26	3.3
Perry	.....	.....	.....	2.51	4.0
Philo	74	19	43.6	4.55	3.0
Plattsburg	70	19	42.4	6.62	1.0
Pomeroy	74	23	46.4	1.75	0.2
Portsmouth *a* †	.....	.....	.....	5.04	1.0
Portsmouth *b*	82	27	50.3	4.93	1.0
Richwood	.....	.....	.....	5.45	T.
Ridgeville Corners	67	12	37.9	4.20	5.0
Ripley	72	23	46.4	6.09	0.4
Rittman	68	12	38.3	2.85	4.0
Rockyridge	66	14	37.4	3.38	1.5
Rosewood	69	19	41.0	6.39	0.5
Sharon Center	.....	.....	.....	3.84	.....
Shenandoah	69	18	39.0	3.70	7.0
Sidney *b*	68	20	39.6	5.78	1.0
Sinking Spring †	71	19	45.4	5.66	T.
Spencerville	.....	.....	.....	4.00	4.5
Springboro	.....	.....	.....	7.10	.....
Spring Valley	73	21	41.7	6.92	0.5
Strongsville	.....	.....	.....	3.17	11.7
Sylvania	63	10	35.2	6.22	5.0
Thurman	77	8	47.7	2.75	.....
Tiffin †	66	17	39.4	4.65	10.0
Upper Sandusky	70	15	41.2	5.63	10.0
Urbana	68	21	41.3	4.95	T.
Vanceburg	74	22	47.0	4.04	T.
Van Wert	68	16	38.6	4.09	7.8
Vermilion	63	17	37.7	3.93	11.5
Vickery	64	18	39.4	3.02	5.4
Walnut	.....	.....	.....	4.88	0.2
Warren	67	12	39.7	4.19	13.0
Wauseon	65	12	37.7	6.66	6.5
Waverly	76	20	46.1	5.59	0.9
Waynesville	72	18	42.0	7.27	T.
Westerville	71	23	43.2	6.07	1.5
Willoughby	.....	.....	.....	3.02	.....
Wooster *a*	.....	.....	.....	3.38	1.2
Wooster *b* †	69	11	39.8	2.81	3.0
Youngstown	66	14	38.4	2.87	.....
Oklahoma.					
Alva	.....	.....	.....	1.60	
Anadarko †	87	18	52.8	3.37	
Arapaho †	87	14	49.0	1.71	
Beaver	.....	.....	.....	0.62	
Burnett †	86	18	51.7	5.24	
Clifton †	87	17	51.8	4.82	
Edmond	83	22	50.1	3.69	
Fort Reno †	86	11	51.9	1.80	
Fort Sill	83	18	52.5	2.62	
Guthrie †	.....	.....	.....	4.55	
Keokuk Falls	85	18	48.2	3.40	
Mangum †	84	16	51.4	1.48	
Norman †	85	17	51.8	4.43	
Ponca	80	.....	.....	3.45	
Pondcreek †	91	11	53.0	2.65	
Prudence †	91	12	49.8	2.68	
Sac and Fox Agency †	86	11	51.2	5.80	
Stillwater †	88	16	51.2	3.62	
Waukomis	88	12	49.8	2.33	
Winnview †	88	13	50.4	2.29	
Woodward	83	11	49.4	0.70	0.2
Oregon.					
Albany *a*	60	25	42.6	7.97	3.0
Arlington	63	22	41.0	0.42	T.
Ashland *b*	58	21	38.4	2.35	11.5
Aurora *[8]	60	28	46.1	5.99	1.5
Aurora (near)	55	21	40.9	6.20	4.8
Bandon	55	30	43.9	7.07	
Bay City †	55	20	41.2	13.18	
Brownsville *[8]	60	30	45.1	5.30	3.0
Burns †	50	— 4	23.7	0.60	6.0
Burns (near)	55	9	32.2	0.30	3.8
Cascade Locks	56	24	40.9	11.47	5.0
Comstock *[8]	58	27	40.2	8.45	13.5
Corvallis *a*	58	26	41.0	5.71	2.5
Dayville †	66	18	37.2	1.61	4.0
Eugene *a* †	57	28	40.8	6.75	4.2
Falls City	.....	.....	.....	11.96	3.6
Fife †	55	2	28.0	1.70	17.0
Forest Grove	58	16	40.3	8.45	3.0
Fort Klamath	49	— 7	28.8	5.81	34.8
Gardiner	57	32	43.3	14.23	
Glenora	60	15	38.3	22.77	60.5
Government Camp	49	1	27.3	16.37	122.0
Grants Pass *a* †	62	25	41.4	4.31	2.6
Happy Valley	57	8	29.4	1.54	10.0
Hood River (near)	57	19	38.3	6.78	15.0
Jacksonville	62	22	39.4	2.59	7.5
Joseph	53	— 4	25.0	1.99	19.2
Junction City *[8]	58	28	41.6	7.70	4.1
Lafayette *[6]	58	29	40.9	8.20	10.8
Lakeview †	47	1	28.1	3.13	28.5
Oregon—Con'd.					
Langlois	64	31	45.8	19.14	
McMinnville †	54	22	40.4	7.26	7.5
Merlin *[6]	58	26	37.7	6.18	1.0
Monmouth *[8]	58	29	42.9	5.95	3.2
Mount Angel †	59	23	41.4	7.44	6.2
Nehalem	.....	.....	.....	18.29	11.5
Newberg	54	28	40.3	6.76	3.0
New Bridge	61	9	34.2	0.98	8.0
Newport	56	28	42.2	10.12	
Pendleton	65	14	39.4	2.03	12.7
Prineville	63	8	35.8	1.43	9.3
Riddles *[8]	62	25	40.9	4.29	
Salem *b* †	.....	24	.....	6.11	2.9
Sheridan *[8]	59	27	42.9	7.72	12.0
Silver Lake	58	0	30.0	0.80	8.0
Silverton *[8]	56	24	40.4	7.42	8.5
Siskiyou *[8]	55	20	35.3	4.70	42.0
Sparta	47	— 1	26.2	6.40	62.0
Springfield *[8]	54	27	40.4	6.37	0.5
Stafford	59	18	39.9	8.31	.....
The Dalles †	62	23	41.8	1.94	2.0
Toledo	58	26	41.2	.....	2.0
Umatilla	.....	.....	.....	0.91	6.5
Vale	63	10	36.0	1.76	9.5
Vernonia	56	11	39.3	8.36	25.5
West Fork *[8]	60	28	38.0	11.10	21.2
Weston	59	11	35.1	3.62	12.2
Williams	61	23	40.2	4.53	.....
Pennsylvania.					
Altoona	70	17	40.0	3.44	.....
Aqueduct	67	20	41.6	1.93	2.5
Bethlehem	.....	.....	.....	2.50	3.0
Blooming Grove	60	— 3	33.6	3.59	7.5
Brookville †	.....	.....	.....	4.95	3.1
Browers Lock	.....	.....	.....	2.04	.....
Cameron	.....	.....	.....	3.40	.....
Canonsburg	72	24	45.4	1.01	0.5
Carlisle	70	21	41.0	3.90	3.5
Cassandra	66	14	40.3	3.70	7.5
Cedarrun	.....	.....	.....	2.16	3.0
Centerhall †	66	12	37.7	5.08	4.0
Chambersburg †	69	19	40.0	3.40	2.0
Coatesville	75	18	42.2	2.15	1.0
Confluence †	70	19	39.6	4.38	6.0
Coopersburg	67	18	41.4	2.77	3.0
Davis Island Dam †	.....	.....	.....	3.72	.....
Derry Station	74[e]	13[e]	39.9[e]	4.89	3.5
Doylestown	.....	.....	.....	2.58	.....
Drifton	62	10	36.3	2.33	3.8
Driftwood	.....	.....	.....	3.63	.....
Duncannon	.....	.....	.....	3.25	.....
Dunmore	67	6	34.8	2.48	1.5
Dushore	59	0	34.0	2.06	1.4
Dyberry †	61	— 3	32.9	3.28	5.0
East Bloomsburg	.....	.....	.....	2.94	.....
East Mauch Chunk	70	12	37.8	3.31	7.0
Easton	66	16	39.0	0.82	3.0
Edinboro *[1]	60	10	35.2	.....	.....
Ellwood Junction †	.....	.....	.....	2.63	0.1
Emporium	69	16	37.8	4.03	4.0
Farrandsville	.....	.....	.....	3.34	3.0
Forks of Neshaminy *[1]	62	23	41.9	2.28	.....
Franklin	68	11	39.4	4.91	3.5
Frederick	.....	.....	.....	2.29	.....
Freeport †	.....	.....	.....	5.05	1.5
Gettysburg	72	20	41.4	.....	.....
Girardville	.....	.....	.....	2.89	4.2
Grampian	68	12	36.8	4.25	4.5
Greensboro †	73	24	46.4	3.54	.....
Greenville	66	7	39.0	5.63	5.2
Hallstead †	63	0	34.6	2.94	7.0
Hamburg	70	17	40.4	3.49	.....
Hollidaysburg	74	19	40.9	3.75	3.5
Honesdale	.....	.....	.....	2.09	.....
Huntingdon *a* †	73	18	41.4	3.95	1.2
Huntingdon *b*	.....	.....	.....	3.37	.....
Irwin	.....	.....	.....	4.21	T.
Johnstown †	72	22	42.0	5.36	3.0
Karthaus	.....	.....	.....	1.43	3.0
Keating	.....	.....	.....	3.22	2.5
Kennett Square	70	18	42.6	3.03	0.2
Lancaster	69	21	41.5	.....	.....
Lawrenceville	68	— 3	36.8	2.56	.....
Lebanon	67	20	40.0	3.46	2.7
Leroy †	59	3	32.4	2.55	6.5
Lewisburg	68	16	38.8	4.74	3.0
Lock Haven *a* †	74	15	40.6	3.27	3.0
Lock Haven *b*	.....	.....	.....	3.17	3.5
Lock No. 4 †	.....	.....	.....	2.29	1.0
Lycippus	68	15	42.0	4.15	2.2
Mifflin	.....	.....	.....	3.80	3.0
Oil City †	.....	.....	.....	5.36	2.0
Ottsville	.....	.....	.....	2.52	.....
Parker †	.....	.....	.....	4.95	4.0
Philadelphia *b*	67	23	43.4	2.21	0.2
Point Pleasant	.....	.....	.....	2.08	.....
Pennsylvania—Cont'd.					
Pottstown	68	22	42.6	2.53	1.5
Quakertown	68	16	38.8	2.71	1.0
Reading[2]	.....	.....	39.8	2.02	.....
Renovo *a*	.....	.....	.....	2.90	.....
Renovo *b*	70	14	38.8	3.03	2.6
Ridgway †	.....	.....	.....	3.49	1.1
Saegerstown	65	— 5	37.2	3.59	1.0
St. Marys	65	7	35.2	4.21	4.0
Salem Corners	58	7	34.1	3.81	6.6
Scranton	63	7	37.2	2.99	0.0
Seisholtzville	.....	.....	.....	2.47	.....
Selinsgrove	67	15	38.6	3.74	3.0
Shawmont	.....	.....	.....	2.11	.....
Shinglehouse	68	4	36.0	3.63	T.
Sinnamahoning	.....	.....	.....	3.30	.....
Skippack	70	15	40.1	1.89	T.
Smethport	68	4	35.6	4.22	3.0
Smiths Corners	.....	.....	.....	2.54	.....
Somerset	68	16	39.0	5.86	6.9
South Bethlehem	63	24	39.7	.....	.....
South Eaton	64	5	36.4	2.40	1.0
State College	70	15	38.2	4.53	4.6
Sunbury	.....	.....	.....	3.45	.....
Swarthmore	68	22	42.3	.....	.....
Swiftwater	61	4	34.6	2.14	3.2
Towanda	63	6	36.5	2.20	3.0
Vanport	.....	.....	.....	3.34	3.0
Warren †	67	6	37.4	2.60	4.0
Wellsboro †	65	— 1	34.9	3.55	7.5
West Chester	67	21	41.8	2.55	0.2
West Newton †	.....	.....	.....	4.58	.....
Westtown	66	18	41.0	.....	.....
White Haven	61	6	34.9	2.22	3.5
Wilkesbarre †	68	12	38.4	3.78	6.0
Williamsport	64	14	38.8	3.00	2.0
York †	69	22	42.4	2.51	T.
Rhode Island.					
Bristol	58	7	36.6	2.77	2.0
Kingston	58	5	35.5	3.96	3.0
Providence *a*	59	8	38.6	2.95	4.0
South Carolina.					
Anderson †	.....	.....	.....	5.39	
Batesburg †	84	29	57.4	3.85	
Blackville †	89	31	58.4	5.64	
Camden †	.....	.....	.....	3.23	
Central †	89	22	52.0	.....	
Cheraw *a* †	90	21	53.7	4.01	
Cheraw *b* †	.....	.....	.....	4.63	
Clemson College	82	22	53.0	6.15	
Conway †	.....	.....	.....	2.13	
Darlington (near)	.....	.....	.....	3.03	
Edisto †	.....	.....	.....	5.28	
Effingham †	.....	.....	.....	3.27	
Florence †	82	28	55.0	3.67	
Georgetown †	88	33	60.4	3.07	
Gillisonville †	92	33	62.8	7.81	
Greenville †	79	24	50.4	7.79	
Greenwood	81	31	53.3	4.04	
Holland	80	23	53.2	6.72	
Kingstree *a* †	87	25	58.6	2.92	
Kingstree *b* †	.....	.....	.....	2.92	
Little Mountain	85	29	54.6	3.36	
Longshore †	81	28	54.5	5.11	
Mount Carmel †	.....	.....	.....	4.39	
Pinopolis *[1]	81	38	59.4	5.20	
Port Royal †	81	40	61.4	5.94	
St. George †	85	29	58.8	5.65	
St. Matthews †	87	32	56.8	3.44	
St. Stephens †	.....	.....	.....	3.62	
Santuck †	78	25	53.2	5.87	
Shaws Fork *[1]	82	34	60.5	3.56	
Smiths Mills †	.....	.....	.....	2.54	
Society Hill †	80	32	56.0	3.38	
Spartanburg †	80	28	52.0	6.66	
Statesburg †	83	33	57.7	4.11	
Trenton	81	36	58.2	4.08	
Trial †	90	31	58.4	5.03	
Walhalla	79	21	51.4	7.08	
Winnsboro	82	28	54.6	3.04	
Yemassee †	88	32	61.4	5.06	
Yorkville	83	31	54.9	6.63	
South Dakota.					
Aberdeen †	46	—31	15.0	7.55	20.0
Alexandria †	53	—20	21.6	3.15	3.5
Armour †	55	—15	24.6	1.52	3.0
Ashcroft †	61	—33	22.7	.....	10.0
Brookings	50	—20	21.2	0.44	4.0
Canton	54	—20	25.8	3.62	6.8
Castlewood †	50	—28	17.1	1.85	6.5
Chamberlain †	60	—15	24.4	2.01	0.5
Cross †	65	—22	25.8	2.75	18.6
Doland	53	—24	19.2	1.41	4.1
Edgemont	.....	.....	.....	0.45	.....
Farmingdale	.....	.....	.....	1.69	2.0
Flandreau †	53	—20	22.2	1.26	7.0
Forestburg †	52	—23	21.2	1.90	6.0

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

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
South Dakota—Cont'd.	°	°	°	*Ins.*	*Ins.*
Forest City	.....	—21	.....	0.70	7.0
Fort Meade †	63	—16	26.0	1.36	8.6
Gary	53	—19	19.6	.....	11.0
Goudyville	49	—26	16.8	2.68	.....
Greenwood †	60	— 8	28.6	1.90	1.8
Highmore	56	—18	19.1	2.57	9.7
Hotch City †	60	—20	21.4	2.91	4.0
Hot Springs	66	— 9	31.0	1.06	3.2
Howard †	53	—21	21.4	2.48	7.0
Kimball †	51	—16	21.6	2.47	5.0
Leslie †	58	—21	24.5	1.80	.....
Mellette †	46	—29	17.2	1.57	12.8
Menno †	57	—12	25.2	1.48	2.8
Millbank	50	—22	18.8	1.40	14.0
Mitchell †	54	—18	23.5	1.85	3.0
Oelrichs †	75	— 7	31.4	.....	.....
Parker †	54	—20	25.0	2.57	
Parkston [d]	48	—14	20.4	2.60	.....
Plankinton †	57	—17	22.6	2.65	4.0
Rochford	.....	.....	.....	2.32	22.5
Rosebud	68	— 8	29.7	1.50	5.0
Silver City	.....	.....	.....	3.21	25.0
Sioux Falls †	54	—22	23.6	2.92	8.5
Spearfish †	68	—18	22.4	3.35	31.5
Tyndall †	56	— 7	28.0	1.48	
Vermillion	58	—13	27.5	.....	3.5
Watertown	55	—27	19.8	1.20	9.0
Webster †	43	—13	19.4	5.55	21.4
Wentworth †	52	—29	21.2	2.23	6.5
Wessington Springs	52	—17	20.8	4.60	6.0
Tennessee.					
Andersonville *1	77	25	50.6	11.37	T.
Ashwood *†1	78	35	54.6	12.68	T.
Benton (near) †	82	24	54.4	13.98	T.
Bluff City †	.....	.....	.....	8.35	
Bolivar †	78	31	54.4	12.45	
Bristol †	73	19	50.2	8.28	T.
Byrdstown	84	25	53.1	9.62	0.4
Cagle	75	28	51.2	13.05	T.
Carthage †	.....	.....	.....	9.32	0.3
Charleston †	.....	.....	.....	11.97	
Charlotte	86	26	53.4	10.63	0.5
Clarksville	81	30	52.4	7.22	1.0
Clinton †	.....	.....	.....	11.62	
Decatur †	79	25	52.9	11.97	
Dyersburg	78	31	53.7	10.75	T.
Elizabethton †	80	22	52.2	8.06	0.4
Elk Valley	80	26	50.9	9.48	T.
Erasmus	76	17	50.1	12.27	0.2
Fairmount *1	72	32	48.9	14.06	T.
Florence †	79	30	53.4	10.53	T.
Franklin	83	30	53.4	11.36	0.2
Greeneville †	78	21	51.2	10.52	0.6
Harriman	79	25	51.8	12.15	T.
Hickory Withe	81	34	56.1	12.12	
Hohenwald †	82	25	53.8	16.43	T.
Jackson †	80	35	54.6	11.75	
Johnsonville †	81	32	55.7	7.25	
Jonesboro *†1	74	30	50.8	9.48	1.4
Kingston †	.....	.....	.....	10.59	T.
Liberty †	82	29	54.6	7.94	T.
Loudon †	.....	.....	.....	11.50	
Lynnville *†1	79	32	54.7	14.27	T.
McKenzie †	81	32	53.7	6.44	
McMinnville †	81	28	54.0	16.90	T.
Molino †	78	30	54.4	14.36	
Newport †	80	24	53.6	10.18	T.
Nunnelly *1	81	30	54.2	13.63	0.2
Oak Hill *1	80	24	52.7	.....	4.0
Palmetto †	80	31	54.8	12.38	T.
Paris Landing *1	77	33	53.7	7.24	T.
Pope	82	32	55.2	15.60	
Riddleton †	81	27	54.0	10.92	T.
Rockwood †	.....	.....	.....	13.18	
Rogersville †	76	24	51.6	10.52	0.1
Rugby	76	17	50.6	10.41	0.5
St. Joseph †	82	27	54.8	18.14	T.
Savannah	82	35	56.0	12.60	
Sewanee †	72	24	51.9	16.79	
Springdale *1	78	24	52.5	9.26	T.
Sprinnfield *1	78	31	51.9	8.81	T.
Strawberry Plains †	.....	.....	.....	10.40	T.
Tellico Plains †	81	23	55.2	11.22	T.
Trenton	79	32	53.2	7.70	
Tullahoma †	73	25	51.6	16.85	
Union City †	79	30	52.4	9.25	0.2
Waynesboro	80	29	54.2	12.99	
Texas.					
Albany *1	75	30	52.4	2.74	
Arthur City †	.....	.....	.....	9.44	
Austin *b*5	85	30	61.4	.....	
Ballinger †	84	29	58.2	2.62	
Beeville †	95	34	69.8	0.93	
Blanco †	94	32	61.0	3.50	
Boerne *†1	84	34	63.4	4.06	
Bowie	90	30	58.0	5.55	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Texas—Cont'd.	°	°	°	*Ins.*	*Ins.*
Brady *	86	25	59.4	1.64	
Brazoria †	86	34	68.1	2.00	
Bremond *1	81	40	64.4	5.90	
Brenham †	85	39	67.2	3.48	
Brighton †	94	42	70.5	1.47	
Brownwood	.....	.....	.....	2.08	
Burnet *1	82	30	61.4	4.90	
Camp Eagle Pass †	101	44	71.9	0.33	
Childress *1	87	18	50.8	1.38	
Coleman *2	.....	28	56.6	2.54	
College Station	83	40	64.6	2.87	
Colmesneil	.....	.....	.....	4.74	
Columbia †	88	32	68.3	2.55	
Corsicana *b* †	86	40	64.6	7.28	
Cuero †	88	25	68.2	2.09	
Dallas †	84	30	57.3	8.14	
Danevang †	86	32	68.0	2.57	
Dean	86	11	44.4	0.62	
Dublin †	82	28	57.2	4.40	
Duval *1	90	43	66.8	8.08	
Estelle †	86	27	57.5	7.50	
Forestburg †	86	28	57.2	6.83	
Fort Clark	96	39	62.8	0.71	
Fort McIntosh	95	38	69.0	2.06	
Fort Ringgold †	101	36	72.6	0.20	
Fort Stockton	.....	.....	.....	0.20	
Fort Worth †	86[f]	29[f]	60.5[f]	7.59	
Fredericksburg *†1	86[c]	28[c]	62.7[c]	1.79	
Gainesville †	83[c]	29	58.2	7.91	
Georgetown *1	82[c]	28	60.8	3.64	
Golindo	.....	.....	.....	7.20	
Graham	86	23	53.6	2.61	
Grapevine †	84	29	58.2	7.98	
Hale Center †	82	21	53.4	0.60	T.
Hallettsville †	87	32	68.3	1.30	
Hewitt	.....	.....	.....	7.15	
Houston †	84	38	67.0	2.93	
Huntsville †	85	34	65.4	3.90	
Junction City	.....	.....	.....	2.25	
Kent	.....	.....	.....	0.44	
Kerrville †	88	22	60.8	1.06	
Lampasas †	89	26	62.4	4.29	
Llano *†5	90	31	62.2	1.94	
Longview †	86	34	62.0	10.31	
Luling †	89	34	67.1	2.27	
Mann	.....	.....	.....	7.37	
Marathon	82	25	57.3	0.62	
Marshall [d]	90	42	65.8	9.79	
Moore Station	94	32	68.4	.....	
Mount Blanco †	84	19	50.6	1.06	
New Braunfels †	85	32	65.8	2.43	
Orange †	.....	35	.....	3.25	
Panter †	.....	.....	.....	7.75	
Paris †	84	27	58.4	6.88	
Point Isabel *1	82	60	72.5	1.00	
Rheinland †	83	20	55.2	3.93	
Roby †	83	19	54.2	2.94	
Rocksprings	.....	.....	.....	2.61	
Sanderson †	88	22	60.6	0.36	
San Marcos *b*†	85	31	66.4	3.15	
Sierra Blanca †	80	20	52.8	0.26	
Stafford †	87	34	69.2	2.27	
Sulphur Springs †	88	32	61.8	10.15	
Temple *a*	83	35	61.2	5.41	
Tivoli	85	36	68.8	2.23	
Tulia	85	8	46.5	0.75	
Tyler	84	37	61.2	6.86	
Valentine †	82	16	55.2	T.	
Waco †	83	36	61.5	6.08	
Weatherford †	83	28	57.2	6.90	
Wichita Falls †	.....	.....	.....	3.65	
Utah.					
Alpine City †	.....	.....	.....	1.80	7.0
Blue Creek *3	66	0	30.5	.....	7.5
Brigham City †	.....	.....	.....	3.55	.....
Cisco †	73	16	39.4	0.58	4.0
Corinne	54	— 5	30.7	2.66	25.0
Croyden	68	—15	26.1	.....	.....
Farmington	.....	.....	.....	2.42	.....
Fillmore †	69	1	35.2	2.89	.....
Fort Duchesne †	61	— 4	27.0	0.28	2.6
Frisco	56	2	31.7	0.44	4.4
Giles †	70	11	36.5	0.24	1.0
Grover †	59	— 6	27.3	1.00	10.0
Heber	54	— 6	26.5	2.90	27.0
Huntsville †	.....	.....	.....	2.91	20.0
Koosharem	48	—10	24.0	1.07	8.0
Levan †	62	1	31.8	2.22	16.2
Loa †	54	— 6	25.7	0.69	7.0
Logan †	51	0	26.4	2.84	.....
Mammoth †	57	2	28.3	1.28	12.2
Manti †	66	— 2	31.0	2.05	20.5
Millville †	.....	.....	.....	3.39	.....
Minersville	59	1	34.0	2.40	21.0
Moab †	72	18	41.5	2.43	5.0
Mount Pleasant *†1	70	3	32.5	2.82	28.0

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Utah—Cont'd.	°	°	°	*Ins.*	*Ins.*
Ogden *b*	66	6	35.4	2.87	5.2
Pahreah	69	18	40.1	.....	.....
Park City †	45	— 5	24.7	8.00	80.0
Parowan †	62	— 2	32.6	3.76	37.6
Pinto	.....	.....	.....	4.11	27.8
Promontory	53	13	35.9	0.50	5.0
Provo	66	4	38.8	2.60	.....
Richfield †	60	— 5	31.5	1.95	19.5
St. George †	79	12	40.9	1.05	4.5
Scipio †	61	— 4	31.4	3.26	22.0
Soldier Summit †	55	—12	21.7	5.23	52.3
Thistle †	64	— 2	30.3	3.00	20.0
Tooele †	61	5	33.4	1.68	.....
Tropic	56	7	29.4	1.30	13.0
Vernal	59	3	32.9	0.86	6.6
Woodruff	.....	.....	.....	2.00	20.0
Vermont.					
Bennington	58	— 3	33.1	2.57	4.0
Brattleboro	55	—11	32.0	2.81	13.0
Burlington †	50	— 3	30.8	2.49	15.0
Chelsea †	52	—14	26.2	3.96	31.0
Cornwall	57	— 9	30.8	2.01	9.0
Enosburg Falls	46	—18	28.4	2.47	17.0
Hartland †	53	—20	28.8	3.36	23.0
Jacksonville	54	— 5	27.4	5.80	29.8
St. Johnsbury	46	—21	26.9	2.68	15.5
Strafford *†1	45	— 7	27.0	3.15	26.5
Vernon *4	50	—12	32.6	3.68	.....
Wells	56	—10	29.6	3.38	10.5
Woodstock	52	—25	30.1	3.21	13.5
Virginia.					
Alexandria	78	27	46.0	2.58	T.
Ashland †	87	26	50.3	4.56	T.
Barboursville	80	21	46.6	2.71	2.0
Bedford City	79	25	47.8	3.10	T.
Bigstone Gap †	79	16	48.4	9.82	T.
Birdsnest *†1	78	30	49.5	4.95	T.
Blacksburg	75	21	45.8	3.87	1.1
Buckingham †	81	20	48.3	3.56	T.
Burkes Garden	69	20	42.8	5.55	1.0
Callaville †	79	26	50.4	5.88	
Christiansburg †	.....	.....	.....	3.62	0.1
Clarksville †	.....	.....	.....	4.58	
Clifton Forge	82	21	47.2	3.35	0.8
Danville †	.....	.....	.....	4.18	T.
Dale Enterprise †	80	20	45.2	2.40	3.5
Doswell	75	31	51.0	4.10	
Farmville	70	25	46.6	4.20	T.
Fredericksburg †	84	25	48.5	3.02	
Gordonsville	70	28	45.4	.....	.....
Goshen	80	24	51.6	.....	.....
Grahams Forge	79	21	49.1	3.81	0.8
Hampton	78	34	51.1	4.70	
Hot Springs	70	24	43.6	2.89	1.0
Leesburg	71	22	44.0	2.34	0.2
Lexington †	79	24	47.8	3.44	2.0
Maidens	78	30	51.8	2.50	T.
Manassas †	82	15	47.0	2.99	
Marion †	74[f]	22[f]	48.2[f]	7.46	3.0
Monterey	74	22	41.9	3.82	0.6
Petersburg †	83	28	51.5	5.71	T.
Radford †	.....	.....	.....	3.75	T.
Richmond	.....	.....	.....	3.32	
Richmond (near) †	86	27	51.5	5.00	
Rockymount †	78	30	51.7	3.51	T.
Salem †	79	30	50.6	3.78	1.0
Saltville	76	22	49.0	7.13	
Smithville †	75	29	49.7	3.56	
Speers Ferry †	.....	.....	.....	9.85	T.
Spottsville †	79	25	50.0	6.97	T.
Stanardsville †	82	23	46.0	2.51	1.0
Stanleyton	81	25	47.4	2.11	T.
Staunton †	80	25	47.9	2.56	1.4
Stephens City †	77	24	45.6	1.70	0.8
Sunbeam †	77	28	48.2	5.67	
Swords Creek	80	21	51.8	5.77	
Warrenton	78	30	47.6	1.95	0.5
Warsaw †	81	25	48.5	3.74	
Westbrook Farm	78	29	48.6	.....	
Woodstock †	83	25	46.4	1.81	T.
Wytheville	74	25	46.6	4.69	1.0
Washington.					
Aberdeen	55	23	40.0	10.61	3.5
Anacortes	.....	.....	.....	3.24	.....
Ashford †	.....	.....	.....	7.26	9.0
Blaine †	54	5	35.0	3.52	11.4
Bridgeport	61	13	34.6	.....	.....
Cascade Tunnel	40	0	27.2	16.90	139.0
Centerville †	61	11	37.7	1.99	8.8
Chehalis †	57	17	40.4	5.80	4.2
Colfax †	55	7	35.2	3.46	11.7
Coupeville †	54	19	39.2	3.49	14.0
Dayton	63	15	38.2	1.92	5.2
Eastsound	53	20	38.4	2.10	8.5
Ellensburg †	59	8	33.4	0.15	.....
Ellensburg (near)	56	6	33.3	0.25	T.

TABLE II.—*Meteorological 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.*
Washington—Cont'd.					
Elma	70	26	43.2	.....	.....
Fort Simcoe†	56	16	38.2	0.69	2.3
Fort Spokane	55	0	30.8	1.78	10.5
Grandmound†	53	*11*	*38.8*	*6.74*	*4.8*
Hunters†	47	—11	24.5	2.52	25.3
Kennewick†	68	12	40.0	0.30	
La Center	55	19	37.2	6.14	15.5
Lakeside	55	5	33.4	0.81	3.0
Lapush†	52	20	39.2	12.32	3.0
Loomis†	55	7	32.0	0.89	1.0
Madrone*†[1]	54	16	39.5	3.59	5.5
Mayfield †	57	23	39.6	7.94	15.5
Moxee Valley†	65	11	38.0	0.25	T.
New Whatcom†	57	13	40.2	3.07	6.0
Northbend	63[d]	7[d]	40.2[d]	7.65	9.0
Olga	53	19	39.0	2.47	7.0
Olympia†	56	14	39.8	6.29	3.0
Pinehill†	58	14	38.7	3.61	11.5
Pomeroy†	60	14	38.0	3.54	31.2
Pullman†	52	4	31.0	3.95	11.0
Rosalia†	52	0	30.8	2.19	13.3
Sedro†	67	11	40.9	5.32	8.2
Silvercreek*[1]	52	14	36.2	8.07	23.5
Snohomish†	59	18	40.4	4.94	8.0
Southbend	54	22	40.9	11.24	0.1
Stampede	46	0	29.6	12.65	115.0
Stillaguamish	57	13	38.2	6.31	9.5
Sunnyside†	70	15	39.3	0.25	T.
Tacoma†	56	16	38.8	4.73	16.5
Union City†	58	14	39.4	7.75	6.2
Vashon†	56	21	39.8	5.07	9.0
Waterville†	47	—10	25.8	1.60	13.0
Wenatchee Lake	50	— 2	28.6	.....	.....
West Virginia.					
Beckley	.....	.....	.....	2.17	1.0
Beverly†	76	24	46.6	2.73	8.0
Bloomery†	74	21	40.6	1.90	0.5
Bluefield†	78	22	47.1	4.74	0.8
Buckhannon *a*†	.....	.....	.....	4.36	10.5
Buckhannon *b*	74	21	45.9	.....	.....
Burlington†	76	20	44.6	1.43	4.0
Charleston†	.....	.....	.....	3.80	0.6
Dayton†	.....	.....	.....	3.21	1.5
Elkhorn†	77	23	50.1	6.52	2.0
Fairmont†	.....	.....	.....	3.32	.....
Glenville†	72	24	46.2	3.57	1.8
Grafton†	73	22	45.4	3.43	4.1
Green Sulphur	74	27	47.2	3.92	.....
Harpers Ferry†	.....	.....	.....	3.12	T.
Hewett†	78	24	50.9	4.56	0.8
Hinton *a*†	.....	.....	.....	4.59	3.0
Hinton *b*†	78	20	48.6	.....	1.5
Huntington	81	23	47.5	.....	.....
Kingwood	71	22	45.4	3.97	.....
Marlinton*†[1]	72	20	41.7	5.21	6.0
Martinsburg†	75	20	43.4	2.63	1.5
Morgantown *a*†	.....	.....	.....	2.97	1.0
Morgantown *b*†	75	22	46.0	3.88	T.
New Martinsville†	74	25	45.4	3.32	.....
Nuttallburg†	74	21	45.8	4.60	
Oldfields†	79	21	45.6	1.39	0.5
Pennsboro	74	22	47.0	3.68	3.0
Philippi†	80	24	48.4	3.99	2.5
Point Pleasant†	76	25	47.6	3.32	2.0
Powellton	77	29	49.3	3.21	T.
Romney	72	27	45.5	1.79	3.0
Rowlesburg†	.....	.....	.....	4.29	4.0
Tannery*[1]	67	25	43.2	.....	1.2
Weston *a*†	.....	.....	.....	3.92	.....
Weston *b**[1]	73	22	47.3	.....	2.5
Wheeling *a*†	.....	.....	.....	3.95	0.5
Wheeling *b*†	73	28	47.2	4.27	T.
White Sulphur Springs†	78	18	48.1	4.91	0.5
Wisconsin.					
Amherst	60	—19	25.6	2.02	20.2
Antigo*	60	—23	26.0	2.03	13.4
Apollonia*†[1]	58	—20	26.6	3.35	16.0
Barron	60	—25	22.4	2.60	18.0
Bayfield	50	—20	22.6	1.60	16.0
Beloit	61	8	31.6	2.05	8.0
Butternut	71	—25	24.3	1.65	16.4
Chilton	61	—11	27.3	1.40	7.0
Citypoint	63	—20	24.3	2.01	10.5
Crandon†	68	—22	23.8	3.30	33.0
Delavan	59	1	30.4	2.97	9.0
Dodgeville†	61	— 2	28.8	2.88	8.0
Easton†	63	—10	26.1	1.39	7.5
Eau Claire	65	—18	23.4	4.10	21.0
Fond du Lac	61	— 4	28.5	2.05	6.7
Grand River Lock	.....	.....	.....	2.10	8.8
Grantsburg†	69	—27	22.2	2.70	20.0
Gratiot†	.....	.....	.....	3.20	5.0
Hartford	.....	.....	.....	3.45	10.5
Hartland	58	— 2	29.1	3.26	6.0
Harvey	62	2	30.2	3.61	8.6
Hayward†	61	—25	21.0	3.39	22.9
Wisconsin—Cont'd.					
Hillsboro	62	— 8	27.0	2.77	11.0
Hudson	65	—13	25.8	1.61	.....
Koepenick*†[1]	56	— 8	24.0	1.30	8.0
Lancaster†	*60*	*2*	*29.5*	*1.31*	*4.5*
Lincoln†[2]	.....	.....	27.4	2.10	5.0
Madison†	59	5	29.0	2.38	5.3
Manitowoc†	52	2	28.4	2.25	7.2
Meadow Valley†	64	—14	26.0	2.04	6.0
Medford†	61	—20	23.3	2.15	14.5
Menasha	.....	.....	.....	1.89	9.0
Neillsville†	66	—20	25.3	3.28	21.0
New Holstein	56	0	28.8	2.73	5.0
New London	67	—10	28.0	1.69	5.0
Oconto	53	— 9	27.1	2.56	14.0
Osceola†	66	—23	22.0	2.09	17.5
Oshkosh†	60	— 5	28.1	2.35	10.5
Pepin	64	—14	24.3	2.55	12.0
Pine River†	61	—11	26.7	2.06	12.4
Portage†	63	— 4	27.4	1.93	9.0
Port Washington	55	1	29.8	4.85	7.5
Prairie du Chien	65	0	34.0	1.73	3.8
Racine	55	7	32.0	4.01	14.0
Sharon†	61	2	29.0	3.86	12.2
Shawano	60	—15	27.2	2.53	10.0
Spooner†	60	—25	22.4	2.00	20.0
Stevens Point†	61	—15	25.2	1.73	10.5
Sturgeon Bay Canal*[9]	46	—10	26.4	.....	.....
Valley Junction†	64	—13	25.6	2.54	9.5
Viroqua	62	1	27.7	2.03	9.0
Watertown†	63	— 3	29.7	2.70	8.5
Waukesha†	56	6	29.8	3.28	8.8
Waupaca†	60	—16	25.8	2.07	18.5
Wausau†	58	—17	24.6	2.37	15.0
Wausaukee	62	—21	21.3	2.48	24.0
Westbend	56	4	30.0	4.24	7.1
Westfield†	60	— 8	27.0	2.58	7.5
Whitehall	*65*	*— 7*	*27.0*	*1.67*	*9.3*
White Mound†	65	— 9	28.9	1.75	8.0
Wyoming.					
Big Horn Ranch	57	—21	22.2	0.60	6.0
Carbon	70	— 2	27.1	.....	.....
Fort Laramie†	74	— 8	34.6	2.17	.....
Fort Washakie†	63	—13	27.2	0.77	7.7
Fort Yellowstone†	42	—17	19.5	1.08	10.8
Laramie	*56*	*— 6*	*24.9*	*4.23*	.....
Lusk†	66	—15	28.0	1.61	16.1
Sheridan	55	—29	20.0	2.28	21.0
Sundance	57	—23	21.4	1.90	19.0
Wheatland	63	— 8	27.9	1.10	11.0
Mexico.					
Ciudad P. Diaz	95	38	69.8	0.40	
Jalapa	95	54	69.0	1.12	
Leon de Aldamas	88	44	65.6	0.99	
Mexico	85	47	65.5	0.01	
New Brunswick.					
St. John	45	— 7	28.6	5.91	17.4
West Indies.					
Grand Turk Island	.....	.....	.....	0.60	

Late reports for February, 1897.

Stations.	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
Alaska					
Juneau	47	12	31.0	5.08	22.0
Killisnoo	41	11	30.9	3.40	22.5
Arizona.					
Dragoon	.....	.....	.....	0.00	
Walnut Grove	.....	.....	.....	*0.18*	
Arkansas.					
Luna Landing*[6]	77	28	50.5	2.68	
California.					
Jackson	60	32	41.8	10.36	12.8
Napa	72	30	49.4	5.68	
Point Lobos	60	37	49.5	4.47	
San Miguel Island	71	34	51.6	3.57	
Santa Barbara *a*	75	33	52.8	3.65	
Santa Maria	72	36	52.6	4.00	
Trinidad L. H	.....	.....	.....	10.59	
Engineers Quarters‡	.....	.....	.....	11.74	18.0
Morses House‡	.....	.....	.....	20.14	31.5
Deep Creek‡	.....	.....	.....	13.03	27.0
Squirrel Inn‡	.....	.....	.....	13.31	24.0
Holcomb Creek‡	.....	.....	.....	7.89	21.0
Connecticut.					
Colchester	51	2	28.4	2.65	11.2
Maryland.					
Deerpark	.....	3	.....	4.20	4.0
Pocomoke City	68	20	41.5	5.86	.....
Massachusetts.					
Wakefield	50	2	27.8	2.67	13.0
Michigan.					
North Manitou Island*[10]	35	2	25.4	.....	.....
Missouri.					
Princeton*[1]	62	— 6	30.3	1.90	9.0
Nebraska.					
State Farm	.....	.....	.....	1.30	13.2
New Hampshire.					
Durham	48	2	25.8	2.31	13.5
Newton	*48*	*2*	*25.6*	*2.22*	*10.5*
New Mexico.					
Albert	67	19	39.9	0.65	6.5
Albuquerque	66	20	39.1	0.13	.....
Alma	75	14	40.0	0.47	.....
Angus V. V. Ranch	61	10	35.8	T.	T.
Aztec	56	1	27.8	1.30	6.0
Bernalillo	70	18	39.4	T.	T.
Bluewater	60	0	30.8	1.10	11.0
Buckmans	46	—22	18.0	1.02	17.5
Chama	56	—15	24.0	4.90	49.0
Clayton	65	15	39.2	1.10	11.0
East Las Vegas	65	11	35.8	0.70	7.4
Eddy	77	23	49.2	0.00	
Engle	73	18	40.6	0.00	
Espanola	63	4	33.7	0.14	1.0
Estalina Springs	.....	.....	.....	0.35	3.5
Fort Bayard	68	10	37.8	0.20	2.0
Fort Union	63	12	33.8	0.05	0.5
Fort Wingate	61	— 3	32.5	4.20	.....
Galisteo	63	14	34.3	0.14	.....
Gallinas Spring	68	12	37.6	0.91	7.0
Gila	73	21	42.5	0.26	T.
Gold Hill	57	—12	18.2	4.00	40.0
Hillsboro	74	19	43.2	0.02	
Labelle	50	—10	20.8	2.50	25.0
Las Cruces	77	16	43.6	0.00	
Las Lunas	73	12	38.4	0.25	
Lower Penasco	72	17	42.4	T.	
Monero	50	—12	22.8	2.25	23.0
Ocate	58	13	29.8	0.70	6.0
Puerto de Luna	70	24	42.8	0.20	2.0
Raton	59	5	32.0	0.51	3.3
Rincon	*73*	*21*	*45.4*	*0.00*	
Roswell	79	16	45.2	.....	
San Marcial	71	17	43.6	T.	
Shattucks Ranch	72	14	42.7	0.20	2.8
Socorro	70	16	40.6	0.05	
Springer	61	9	32.2	0.37	2.0
Valley Ranch	60	6	31.2	0.80	8.0
White Oaks	63	19	40.2	0.55	5.5
Winsors Ranch	.....	.....	.....	0.38	5.0
New York.					
Alfred	45	1	24.7	1.67	13.7
Ohio.					
Bellefontaine	.....	.....	.....	2.61	.....
Granville	60	2	32.4	3.94	2.5
Oklahoma.					
Anadarko	.....	.....	.....	1.20	
Oregon					
Government Camp	48	3	29.6	17.49	76.0
Lafayette*[a]	62	28	42.3	5.77	0.2
South Dakota.					
Yankton	47	—13	21.0	0.84	.....
Washington.					
Eastsound[h]	53	27	40.2	1.32	T.
Wyoming.					
Wheatland	62	2	29.5	0.15	1.5

EXPLANATION OF SIGNS

For explanation of signs see page 33, January REVIEW.

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.

CORRECTIONS.

Mississippi, Louisville. September, 1896, make precipitation read 3.41 instead of 3.81; Water Valley, April, 1896, make precipitation read 3.91 instead of 2.91.

Missouri. Cowgill, February, 1897, make precipitation read 1.20 instead of 3.00; Gordonville, 4.72 instead of 4.92; Hastain, 6.83 instead of 7.88; and Houston, 3.64 instead of 4.14.

Nevada, Hawthorne (*b*), December, 1896, make precipitation read 0.09 instead of 9.09, and St. Thomas, 0.30 instead of 6.30.

Oregon, Aurora, January, 1897, make mean temperature read 44.3 instead of 54.0; Dayville, February, 1897, make precipitation read 2.05 instead of 1.85.

Page 4, line 9 from the bottom, and page 46, line 20 from the top, omit the words "given in detail in Table II and for the winter months is also."

TABLE III.—*Data from Canadian stations for the month of March*, 1897.

Stations.	Pressure. Mean not reduced.	Pressure. Mean reduced.	Pressure. Departure from normal.	Temperature. Mean.	Temperature. Departure from normal.	Precipitation. Total.	Precipitation. Departure from normal.	Prevailing direction of wind.	Total depth of snow.
	Inches.	*Inches.*	*Inches.*	°	°	*Inches*	*Inches.*		
St. Johns, N. F	29.62	29.77	− .06	25.4	− 2.4	2.47	.....	ne.	17.6
Sydney, C. B. I	29.86	29.92	+ .05	27.0	+ 1.0	4.19	− 1.06	nw.	21.5
Grindstone, G. St. L.	.....	.....	.....	.....	.....	.....	.....	....	
Halifax, N. S	29.88	30.02	+ .03	29.8	+ 1.3	5.47	− 0.39	w.	16.2
Grand Manan, N. B.	29.93	29.98	+ .08	29.8	.....	5.99	+ 1.84	w.	23.7
Yarmouth, N. S.	29.90	29.98	+ .10	31.1	+ 0.1	5.23	+ 0.37	nw.	11.2
St. Andrews, N. B.	.....	.....	.....	28.5	+ 1.8	4.04	− 0.35	nw.	20.5
Charlottet'n, P. E. I.	29.90	29.94	+ .06	25.8	+ 1.2	3.95	+ 0.54	nw.	13.1
Chatham, N. B	29.94	29.96	+ .06	21.4	+ 0.4	3.21	− 1.03	w.	25.9
Father Point, Que.	29.97	30.00	+ .10	18.8	− 0.7	3.24	+ 0.78	e.	32.4
Quebec, Que	29.66	30.01	+ .06	21.0	+ 1.0	3.89	− 0.02	ne.	35.9
Montreal, Que	29.80	30.02	+ .06	25.2	+ 3.2	4.05	+ 0.36	sw.	23.7
Rockliffe, Ont.	29.50	30.04	+ .06	20.4	+ 4.4	3.70	+ 1.41	nw.	22.0
Kingston, Ont	29.71	30.04	+ .04	28.1	+ 4.1	2.56	− 0.50	w.	....
Toronto, Ont	29.65	30.05	+ .02	30.8	+ 5.3	2.97	+ 0.37	n.	6.4
White River, Ont	28.69	30.13	+ .04	12.9	− 0.1	0.93	− 0.22	n.	9.3
Port Stanley, Ont	29.88	30.05	+ .02	31.6	.....	3.88	+ 0.93	e.	10.4
Saugeen, Ont	29.31	30.01	+ .04	27.6	+ 4.6	4.02	+ 1.47	e.	19.2

TABLE III.—*Data from Canadian stations*—Continued.

Stations.	Pressure. Mean not reduced.	Pressure. Mean reduced.	Pressure. Departure from normal.	Temperature. Mean.	Temperature. Departure from normal.	Precipitation. Total.	Precipitation. Departure from normal.	Prevailing direction of wind.	Total depth of snow.
	Inches.	*Inches.*	*Inches.*	°	°	*Inches*	*Inches.*		
Parry Sound, Ont.	29.31	30.04	+ .02	22.8	+ 4.3	4.21	+ 1.59	w.	23.2
Port Arthur, Ont	29.33	30.07	− .01	18.6	+ 4.6	0.81	− 0.36	ne.	8.1
Winnipeg, Man	29.20	30.09	− .03	10.8	+ 0.3	1.58	+ 0.56	w.	13.1
Minnedosa, Man	28.16	30.10	+ .01	8.0	− 2.0	1.67	+ 1.01	e.	8.6
Qu'Appelle, Assin.	27.68	30.11	+ .04	5.4	− 9.6	0.41	− 0.23	nw.	3.9
Medicine Hat, Assin	27.58	30.05	+ .02	10.9	−16.6	0.50	− 0.11	s.	5.0
Swift Curr't, Assin.	27.34	30.12	+ .02	6.9	−16.1	0.24	− 0.58	sw.	2.4
Calgary, Alberta	26.24	30.02	− .02	10.6	−16.4	0.26	− 0.50	w.	2.6
Prince Albert, Sask.	28.46	30.09	.....	7.2	.....	0.16	.....	sw.	1.6
Edmonton, Alberta.	27.56	30.06	+ .08	9.4	−16.6	0.33	− 0.32	se.	3.3
Battleford, Sask	28.24	30.12	.....	3.8	.....	0.16	.....	se.	1.6
Kamloops, B. C.	28.64	29.93	.....	28.8	.....	0.55	.....	e.	3.9
Hamilton, Bermuda	29.98	30.14	+ .06	63.8	.....	2.54	.....	sw.	
Banff, Alberta	25.11	29.99	... .	13.2	.....	1.05	.....	sw.	10.3
Esquimalt, B. C.	29.83	29.86	... .	37.6	.....	4.80	....	sw.	11.5
Ottawa, Ont	29.70	30.08	.....	23.4	... .	4.37	.....	e.	28.6
February, 1897.									
Hamilton, Bermuda	29.96	30.12	+ .01	62.1	.....	4.01	.....	s.	

TABLE IV.—*Meteorological observations at Honolulu, Republic of Hawaii, by Curtis J. Lyons, Meteorologist to the Government Survey.*

Pressure is corrected for temperature and reduced to sea level, but the gravity correction, —0.06, is still to be applied.

The average direction and force of the wind and the average cloudiness for the whole day are given unless they have varied more than usual, in which case the extremes are given. The scale of wind force is 0 to 10. Two directions of wind, connected by a dash, indicate change from one to the other; also same for force.

The rainfall for twenty-four hours is given as measured at 6 a. m. on the respective dates.

January, 1897.	Pressure at sea level. 9 a. m.	Pressure at sea level. 3 p. m.	Pressure at sea level. 9 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Temperature. 9 p. m.	Temperature. Maximum.	Temperature. Minimum.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Relative humidity. 9 p. m.	Wind. Direction.	Wind. Force.	Cloudiness.	Rain measured at 6 a. m.
	Ins.	*Ins.*	*Ins.*	°	°	°	°	°	%	%	%				*Ins.*
1 ...	29.97	29.92	30.04	60	75	66	77	60	87	58	73	sw-n.	1	7	1.17
2 ...	30.10	30.04	30.13	64	72	68	75	62	77	64	61	w-nne.	1-4	3	T.
3 ...	30.15	30.06	30.14	67	75	67	76	67	62	55	73	ne.	3	2-1	T.
4 ...	30.15	30.06	30.12	65	77	68	79	64	81	52	76	ne.	2	5	0.00
5 ...	30.16	30.05	30.14	67	73	66	79	67	97	91	88	sw-ne.	1	10-5	0.06
6 ...	30.16	30.06	30.14	69	77	70	79	67	83	59	88	e-ne.	1-4	3	0.32
7 ...	30.17	30.07	30.14	69	79	69	80	66	74	71	89	nnw-se	2	3	T.
8 ...	30.19	30.10	30.16	67	76	69	79	67	90	58	81	w-n.	2	7	T.
9 ...	30.16	30.07	30.18	70	77	70	79	69	79	58	71	ne.	4	4	0.10
10 ...	30.15	30.09	30.14	70	76	69	78	67	68	61	83	ne.	4-5	4	0.05
11 ...	30.13	30.04	30.13	70	78	71	79	68	65	51	72	ne.	4	4	0.02
12 ...	30.12	30.04	30.15	70	78	70	81	69	74	57	76	nw-ne.	2	5	0.01
13 ...	30.18	30.08	30.16	68	79	71	81	67	86	65	70	ne-se.	1	5	T.
14 ...	30.17	30.04	30.10	66	78	68	81	64	74	58	76	w-sw.	1	2	T.
15 ...	30.10	30.01	30.09	64	78	66	81	63	90	54	82	s-ne.	0-1	1	0.00
16 ...	30.11	30.00	30.10	67	78	71	79	64	82	61	70	se-ne.	2	3	0.00
17 ...	30.17	30.04	30.14	69	78	70	79	67	70	55	70	ne.	3-4	2	T.
18 ...	30.16	30.07	30.11	70	78	72	78	69	64	53	58	ene.	4-5	3	0.00
19 ...	30.14	30.03	30.08	71	78	68	78	70	63	62	73	ne.	4	3	0.00
20 ...	30.05	29.95	30.00	67	76	66	78	64	82	68	75	nw-se.	1-3	1	T.
21 ...	30.04	29.95	30.02	65	72	66	76	64	82	66	72	w-wnw.	1-4	5	0.00
22 ...	30.02	29.92	29.97	62	73	62	75	62	64	51	77	sw-ne.	2	1	0.06
23 ...	29.88	29.76	29.80	63	75	68	77	61	78	67	71	sw.	0-5	5	0.00
24 ...	29.89	29.79	29.88	64	75	65	77	63	70	....	70	sw.	3-4	4	0.22
25 ...	29.92	29.86	29.96	67	74	62	78	66	80	....	64	nw-ne.	2-4	8-2	0.00
26 ...	29.96	29.85	29.85	59	75	60	77	55	73	....	69	se-sw.	2-4	5	0.00
27 ...	29.86	29.83	29.94	67	76	65	78	66	92	....	76	w-sw.	3-4	5	0.35
28 ...	30.00	29.90	29.99	61	76	71	78	60	76	....	79	nw-se.	0-4	5-10	0.00
29 ...	30.05	29.98	30.13	71	75	67	79	70	88	....	82	sw.	0-3	10-5	0.02
30 ...	30.18	30.10	30.18	64	74	66	77	63	74	....	76	sw.	0-3	1	0.32
31 ...	30.21	30.12	30.15	63	75	66	77	63	84	....	85	nw-ne.	1	3	0.00
	30.09	30.00	30.07	66.3	76.0	67.8	78.2	65.1	77.7	....	75.0	....	2.4	4.0	2.70

Mean temperature: 6+2+9÷3 is 70.0; extreme temperatures, 81° and 55°.

A storm on the 23d, felt with more or less severity over all the islands, was indicated here only by a fall of the barometer, high wind for a few hours, and two smart showers.

Meteorological observations at Honolulu, Republic of Hawaii, by Curtis J. Lyons, Meteorologist to the Government Survey.

February, 1897.	Pressure at sea level. 9 a. m.	Pressure at sea level. 3 p. m.	Pressure at sea level. 9 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Temperature. 9 p. m.	Temperature. Maximum.	Temperature. Minimum.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Relative humidity. 9 p. m.	Wind. Direction.	Wind. Force.	Cloudiness.	Rain measured at 6 a. m.
	Ins.	*Ins.*	*Ins.*	°	°	°	°	°	%	%	%				*Ins.*
1 ...	30.12	30.09	30.20	65	78	70	79	64	82	60	78	se.	0-2	1	0.00
2 ...	30.22	30.13	30.21	68	78	72	81	67	79	59	89	e-sw.	1	4	0.00
3 ...	30.24	30.17	30.23	71	78	71	81	70	89	77	83	s-sw.	0-2	5-9	0.00
4 ...	30.21	30.15	30.21	69	77	71	79	67	90	74	86	nne.	3	7-10	0.00
5 ...	30.19	30.12	30.21	69	77	70	80	68	86	77	83	nne.	3	5-9	0.01
6 ...	30.19	30.10	30.18	67	79	71	80	67	96	57	72	ne.	4	7	0.24
7 ...	30.22	30.10	30.15	71	74	71	79	70	71	79	70	ene.	4	7	0.01
8 ...	30.15	30.04	30.12	71	78	72	79	68	71	56	71	ene.	5	5-8	0.12
9 ...	30.12	30.05	30.13	71	78	71	79	69	70	57	79	ene.	5	7	0.02
10 ...	30.15	30.06	30.15	71	76	71	76	69	72	63	71	ene.	5	6	0.01
11 ...	30.15	30.05	30.14	68	78	71	78	66	74	56	78	ene.	4-6	7	0.30
12 ...	30.16	30.11	30.20	69	77	72	77	68	84	56	75	ene.	4	8	0.28
13 ...	30.18	39.09	30.19	71	78	73	79	70	71	61	72	ene.	3-4	8	0.07
14 ...	30.16	30.08	30.16	71	77	72	80	69	73	67	71	ene.	4	7	0.02
15 ...	30.16	39.07	30.15	69	78	71	78	68	74	47	68	ene.	4	3	0.05
16 ...	30.14	39.04	30.14	70	80	71	82	69	70	56	67	ene.	3	3	0.00
17 ...	30.14	30.06	30.18	69	79	71	81	68	85	60	82	ne.	3	4	0.01
18 ...	30.17	30.08	30.17	69	78	70	80	68	74	55	78	ne.	3	5	0.20
19 ...	30.20	30.11	30.20	68	78	70	81	67	73	64	70	ne.	3	5	0.04
20 ...	30.21	30.12	30.20	68	78	68	79	66	73	53	79	ne.	4-3	3	0.20
21 ...	30.21	30.13	30.19	68	75	70	79	67	65	62	71	ne.	3-5	3	0.25
22 ...	30.19	30.10	30.18	69	74	69	78	68	72	62	83	ne.	5-3	4	0.05
23 ...	30.17	30.07	30.15	70	78	71	79	69	66	50	67	ene.	4	3	0.01
24 ...	30.13	30.06	30.10	69	76	69	78	68	66	58	68	ne.	3	5	T.
25 ...	30.13	30.04	30.11	68	78	69	79	68	65	55	72	ene.	3	4	T.
26 ...	30.11	30.04	30.12	68	79	69	80	68	71	49	73	ne.	1-4	4	T.
27 ...	30.09	29.99	30.06	67	76	68	81	66	75	55	72	ne.	1-3	3	T.
28 ...	30.09	30.06	30.07	65	78	67	81	62	75	59	71	n-ne.	2	1-7	0.00
	30.16	30.08	30.16	68.9	77.4	70.4	79.9	67.6	75.4	60.1	75.0	.....	3.3	5.1	1.89

Mean temperature: 6+2+9÷3 is 72.2; extreme temperatures, 82° and 62°.

The wind and rain storm of February 10–11th was experienced generally over the islands.

TABLE V.—*Mean temperature for each hour of seventy-fifth meridian time, March*, 1897.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.
Bismarck, N. Dak.	9.4	8.8	7.5	7.2	6.9	6.7	6.4	6.5	6.2	7.5	10.0	12.7	14.5	16.4	17.8	18.7	18.9	18.7	17.8	16.0	14.0	12.7	12.2	11.5	11.9
Boston, Mass.	33.9	33.4	32.9	32.4	32.3	32.1	32.9	34.3	35.6	37.0	38.4	39.7	40.3	40.9	40.7	40.9	40.2	39.3	38.4	37.7	37.2	36.5	35.7	35.3	36.6
Buffalo N Y.	31.6	31.6	31.7	31.1	31.0	31.2	31.7	32.5	33.5	34.3	35.4	36.5	37.2	37.6	37.4	37.3	36.2	35.0	34.5	34.5	33.7	33.1	32.8	32.4	33.9
Chicago, Ill.	33.8	33.3	32.6	32.0	31.8	31.5	31.1	31.9	31.7	32.3	33.2	34.0	34.6	34.9	35.8	35.9	36.3	36.1	35.8	36.0	35.6	35.1	34.7	34.3	33.9
Cincinnati, Ohio	44.0	43.3	42.9	42.4	42.0	41.5	40.9	41.7	42.2	43.3	45.2	47.1	48.2	49.4	50.7	51.4	51.8	51.8	50.8	50.0	48.6	47.5	46.2	45.3	46.2
Cleveland, Ohio	36.8	36.5	35.7	35.4	35.1	34.9	34.6	35.1	36.4	37.1	37.2	37.7	37.6	38.4	38.8	39.1	39.7	40.2	39.7	39.8	39.1	38.3	37.9	37.8	37.4
Detroit, Mich.	31.8	31.7	31.3	31.0	30.8	30.6	30.5	31.3	32.3	33.3	34.6	35.6	36.8	37.6	38.4	38.9	39.1	38.3	36.9	35.8	34.5	34.1	33.4	32.8	34.2
Dodge City, Kans.	37.6	36.4	35.2	34.7	33.8	33.4	32.6	32.1	33.6	37.5	41.9	45.5	48.5	50.4	52.2	52.9	53.1	53.0	51.7	47.9	44.4	42.5	40.7	39.6	42.1
Eastport, Me.*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Galveston, Tex.	65.6	65.5	65.5	64.9	64.6	64.6	64.4	64.3	64.1	65.0	66.1	67.4	68.3	68.7	69.2	69.1	68.8	68.3	67.6	66.9	66.6	66.4	66.1	65.9	66.4
Havre, Mont.	8.6	7.5	6.9	6.2	5.5	5.5	4.4	3.9	3.3	3.8	6.2	8.8	11.7	13.4	16.0	17.4	18.5	19.4	18.8	17.3	15.2	13.1	11.7	11.0	10.6
Kansas City, Mo.	39.1	38.3	37.3	36.8	36.5	36.2	35.9	35.9	36.3	38.0	40.1	42.2	44.2	46.0	47.8	48.8	49.5	49.0	47.9	46.7	44.5	43.2	42.0	41.0	41.8
Key West, Fla.	73.8	73.5	73.3	73.2	73.3	73.1	73.9	74.8	76.5	77.5	78.7	78.9	79.5	79.5	79.0	78.5	77.7	76.5	75.5	75.2	74.8	74.8	74.4	74.3	75.8
Memphis, Tenn.	54.5	53.5	52.9	52.4	51.7	51.2	50.3	50.3	50.5	51.5	53.1	54.8	56.6	57.3	58.4	59.0	59.8	59.9	59.7	59.0	58.1	57.6	57.0	55.5	55.2
New Orleans, La.	65.6	65.5	65.0	64.8	64.7	64.6	64.5	65.0	66.0	67.5	69.5	71.3	73.1	73.9	74.5	74.5	74.2	73.3	71.8	70.2	68.8	67.9	67.1	66.5	68.7
New York, N. Y.	36.8	35.9	35.2	34.7	34.3	34.1	34.2	35.2	35.9	37.2	38.8	40.3	41.9	43.1	43.2	43.5	42.7	41.8	40.9	40.7	39.5	39.1	38.5	37.8	38.6
Philadelphia, Pa.	40.1	39.1	38.4	37.9	37.6	37.5	37.7	39.1	40.3	41.8	43.5	45.2	47.0	48.3	49.0	49.3	49.3	48.1	46.4	45.1	44.0	43.0	42.1	41.3	43.0
Pittsburg, Pa.	42.0	40.9	40.2	39.8	39.4	39.5	39.5	40.5	41.8	43.3	45.3	46.6	47.3	49.1	49.6	49.6	49.7	49.0	48.0	47.0	45.9	45.0	44.1	43.4	44.4
Portland, Oreg.	40.2	40.0	39.4	38.9	38.5	38.4	38.0	38.0	37.3	37.1	37.5	38.5	39.5	40.9	41.9	42.7	42.8	43.1	43.3	43.2	42.5	41.5	41.1	40.5	40.2
St. Louis, Mo.	44.1	43.5	42.6	42.1	41.4	41.0	40.8	41.0	41.5	42.5	44.4	46.4	47.9	49.3	50.6	51.0	51.6	50.9	49.6	48.6	47.9	47.0	46.5	45.7	45.8
St. Paul, Minn.	23.2	22.5	21.9	20.9	20.5	20.1	19.8	19.6	19.8	20.7	22.6	24.4	26.4	27.8	28.9	29.7	30.3	30.3	29.5	28.0	27.1	26.2	25.5	24.8	24.6
Salt Lake City, Utah	32.2	31.9	31.6	31.8	51.3	30.6	30.2	30.4	29.9	29.9	31.6	33.7	36.0	36.7	37.4	37.5	38.4	38.7	38.5	37.6	36.4	34.9	33.6	32.7	33.9
San Diego, Cal.	51.9	51.3	50.5	50.2	49.5	49.2	49.1	48.8	48.6	49.5	52.8	55.5	57.3	58.3	59.2	59.2	59.7	59.5	58.4	57.7	56.0	55.1	53.9	52.9	53.9
San Francisco, Cal.	47.5	47.1	46.8	46.7	46.2	45.8	45.5	45.5	45.4	45.3	46.4	47.7	49.5	50.3	51.8	52.0	52.5	52.1	51.3	50.7	49.3	48.9	48.1	47.9	48.3
Savannah, Ga.	58.7	58.0	57.8	57.5	57.0	56.9	57.3	59.2	60.9	63.6	65.2	67.0	68.3	68.8	69.4	68.4	67.4	65.7	63.5	62.2	61.1	60.6	60.2	59.6	62.3
Washington, D. C.	41.9	41.3	40.6	39.6	39.0	38.8	38.9	40.8	42.8	44.9	47.1	48.9	50.5	52.0	52.7	53.3	53.1	52.2	49.8	48.3	46.7	45.5	44.1	43.1	45.7

*Not received in time for publication.

TABLE VI.—*Mean pressure for each hour of seventy-fifth meridian time, March*, 1897.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.
Bismarck, N. Dak.	28.225	.217	.214	.211	.207	.208	.207	.206	.210	.213	.215	.214	.209	.204	.195	.190	.191	.195	.203	.210	.219	.228	.231	.233	.211
Boston, Mass.	29.915	.910	.904	.907	.911	.920	.929	.933	.935	.930	.917	.905	.884	.870	.862	.859	.865	.875	.885	.893	.899	.899	.899	.901	.900
Buffalo, N. Y.	29.189	.183	.175	.169	.169	.179	.187	.190	.196	.200	.202	.196	.190	.176	.173	.174	.179	.184	.190	.198	.203	.203	.197	.191	.187
Chicago, Ill.	29.125	.128	.128	.122	.122	.127	.139	.148	.157	.163	.159	.158	.151	.134	.119	.116	.112	.114	.115	.119	.125	.126	.128	.125	.132
Cincinnati, Ohio	29.365	.371	.370	.364	.371	.383	.394	.404	.413	.416	.414	.407	.397	.378	.365	.355	.343	.344	.349	.355	.361	.365	.368	.366	.376
Cleveland, Ohio	29.183	.178	.176	.169	.177	.187	.196	.204	.210	.213	.215	.212	.206	.192	.185	.187	.186	.185	.191	.194	.195	.195	.195	.188	.192
Detroit, Mich.	29.236	.235	.228	.221	.225	.228	.240	.246	.253	.257	.256	.256	.249	.238	.231	.230	.231	.231	.239	.242	.246	.249	.245	.235	.239
Dodge City, Kans.	27.280	.277	.279	.280	.274	.275	.287	.293	.306	.311	.315	.313	.300	.280	.257	.240	.233	.228	.230	.240	.252	.259	.266	.268	.273
Eastport, Me.*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Galveston, Tex.	29.955	.949	.940	.931	.926	.930	.942	.952	.963	.975	.979	.978	.969	.947	.932	.914	.905	.903	.905	.907	.924	.936	.945	.944	.940
Havre, Mont.*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kansas City, Mo.	28.963	.958	.953	.944	.938	.944	.951	.956	.965	.970	.970	.967	.953	.941	.924	.915	.909	.909	.918	.928	.939	.949	.952	.957	.945
Key West, Fla.	30.095	.083	.069	.065	.065	.068	.082	.098	.109	.113	.116	.106	.085	.067	.055	.045	.043	.050	.063	.077	.091	.100	.100	.093	.081
Memphis, Tenn.	29.580	.585	.585	.581	.885	.590	.600	.614	.624	.633	.641	.635	.620	.596	.576	.560	.548	.546	.548	.554	.558	.561	.562	.565	.585
New Orleans, La.	29.986	.983	.977	.970	.965	.971	.977	.986	.002	.014	.016	.012	.998	.973	.958	.946	.940	.941	.946	.952	.962	.973	.978	.976	.975
New York, N. Y.	29.746	.741	.728	.728	.731	.739	.746	.755	.757	.754	.740	.725	.709	.697	.690	.689	.696	.703	.709	.715	.727	.734	.736	.735	.726
Philadelphia, Pa.	29.974	.973	.964	.960	.964	.970	.976	.990	.995	.989	.976	.966	.949	.936	.928	.924	.924	.930	.940	.947	.959	.961	.962	.963	.959
Pittsburg, Pa.	29.149	.148	.136	.138	.145	.152	.160	.164	.166	.169	.168	.160	.145	.128	.128	.124	.128	.136	.142	.146	.151	.149	.148	.145	.147
Portland, Oreg.	29.783	.785	.790	.781	.776	.772	.767	.764	.767	.771	.776	.785	.791	.795	.790	.786	.776	.775	.773	.772	.770	.777	.784	.788	.779
St. Louis, Mo.	29.414	.415	.417	.412	.412	.416	.420	.431	.437	.439	.432	.423	.417	.397	.380	.370	.365	.367	.370	.371	.383	.393	.397	.406	.403
St. Paul, Minn.	29.122	.125	.131	.127	.123	.126	.131	.133	.140	.143	.142	.140	.132	.119	.107	.100	.096	.096	.099	.107	.112	.115	.119	.122	.121
Salt Lake City, Utah	25.542	.540	.539	.540	.532	.525	.525	.530	.534	.536	.543	.546	.550	.546	.540	.529	.522	.521	.524	.530	.532	.540	.547	.549	.536
San Diego, Cal.	29.998	.997	.991	.989	.980	.972	.964	.967	.977	.986	.999	.013	.018	.017	.009	.995	.979	.972	.967	.966	.969	.976	.988	.995	.987
San Francisco, Cal.	29.939	.938	.939	.936	.931	.925	.921	.926	.933	.941	.949	.959	.967	.968	.958	.947	.931	.926	.921	.918	.920	.927	.936	.942	.937
Savannah, Ga.	30.035	.033	.022	.016	.017	.029	.041	.049	.057	.065	.063	.055	.036	.013	.995	.988	.985	.985	.992	.002	.014	.020	.023	.021	.023
Washington, D. C.	29.988	.985	.978	.976	.979	.989	.000	.006	.011	.008	.000	.988	.966	.947	.936	.929	.932	.943	.952	.966	.973	.980	.983	.979	.975

*Not received in time for publication.

TABLE VII.—*Average wind movement for each hour of seventy-fifth meridian time, March, 1897.*

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.
Abilene, Tex	9.4	9.2	9.5	10.4	10.1	9.2	8.9	8.3	8.3	9.4	11.2	11.7	12.3	11.6	10.6	11.5	11.7	11.7	11.4	9.9	9.5	9.6	8.5	9.0	10.1
Albany, N. Y	7.7	7.1	6.5	6.9	6.9	6.9	7.7	9.6	10.8	11.3	12.2	12.8	13.0	14.0	13.8	13.2	13.1	11.9	11.2	10.6	9.6	9.4	8.9	8.8	10.2
Alpena, Mich	11.1	10.7	11.0	10.9	10.1	9.4	9.2	9.6	9.4	10.0	10.5	10.8	11.3	11.3	11.7	11.6	11.2	11.2	10.1	10.0	10.5	10.7	10.6	10.8	10.6
Amarillo, Tex	17.9	17.4	17.5	16.6	15.5	15.3	15.0	14.4	13.4	16.1	18.9	20.1	19.9	19.3	20.7	21.1	23.1	23.5	23.6	20.2	17.5	18.4	18.7	19.3	18.5
Atlanta, Ga	11.3	11.4	11.6	11.5	10.9	11.3	10.5	10.6	10.9	10.7	10.7	11.1	11.2	12.1	12.3	12.5	12.4	11.8	10.3	10.6	11.2	11.1	11.9	12.1	11.3
Atlantic City, N. J	11.3	11.3	11.7	11.8	10.9	10.5	10.6	11.5	13.3	14.0	14.4	14.9	15.5	14.6	14.5	14.8	14.3	12.6	12.2	10.7	10.9	10.8	10.9	10.8	12.5
Augusta, Ga	5.2	4.9	5.1	5.2	5.3	5.2	5.5	6.3	7.0	7.6	8.2	8.8	9.4	9.8	9.5	9.5	9.1	8.4	7.2	6.5	6.2	6.0	5.7	5.3	6.9
Baker City, Oreg	4.8	5.6	6.0	6.7	6.5	6.3	5.9	5.7	5.5	6.0	6.0	5.9	5.9	7.0	7.8	8.2	7.9	8.2	8.1	7.4	6.7	5.5	5.1	4.8	6.4
Baltimore, Md	4.5	4.6	4.7	4.7	4.3	4.4	4.6	5.1	6.2	6.8	6.2	6.5	7.5	7.3	7.7	8.0	7.3	6.8	6.5	5.8	5.3	5.2	5.1	4.8	5.8
Bismarck, N. Dak	7.7	7.9	8.4	8.7	7.8	8.4	8.6	8.5	7.7	8.5	9.2	9.2	10.1	10.2	10.3	10.5	10.8	10.8	9.9	8.6	7.6	8.0	8.1	7.8	8.9
Block Island, R. I	15.1	15.5	16.4	16.4	15.9	16.5	16.0	16.9	17.2	17.6	17.5	17.9	18.0	18.6	17.9	16.9	16.4	16.1	14.9	14.0	15.0	16.4	16.5	16.4	16.5
Boston, Mass	11.4	11.3	11.7	11.4	11.3	10.9	11.0	12.1	13.0	13.3	14.4	15.2	15.4	15.7	16.0	15.7	15.0	13.9	12.4	11.3	11.1	11.3	11.3	11.3	12.8
Buffalo, N. Y	15.7	16.2	16.6	16.5	16.5	15.6	15.9	15.8	17.0	17.5	18.7	19.7	19.9	20.2	20.7	20.9	20.9	19.8	19.6	19.9	18.3	16.7	17.3	16.5	18.0
Cairo, Ill	12.3	12.3	12.5	12.5	12.2	12.0	11.8	12.0	12.0	12.0	11.6	12.4	11.8	12.4	12.4	12.5	11.9	11.7	12.1	12.3	12.5	12.8	12.5	12.7	12.2
Cape Henry, Va	13.3	14.1	13.6	13.9	13.8	13.5	13.3	14.1	14.8	14.2	14.1	13.7	13.8	14.1	13.1	12.8	12.2	11.4	11.6	11.9	11.0	13.9	13.1	12.2	13.3
Charleston, S. C	9.0	8.6	8.5	8.9	8.5	9.1	9.4	9.5	11.6	12.6	14.6	14.3	15.1	14.4	15.1	15.0	14.9	13.5	12.2	11.9	11.1	10.4	10.1	9.2	11.6
Charlotte, N. C	6.9	6.4	6.4	6.5	6.9	7.0	6.6	6.7	8.3	9.1	9.6	9.7	9.8	10.5	9.7	9.5	9.7	8.8	7.2	7.0	7.2	7.5	7.3	7.1	8.0
Chattanooga, Tenn	9.1	8.6	8.1	8.1	7.4	7.5	7.9	8.2	9.3	10.0	10.6	10.3	11.4	11.3	11.2	11.0	10.3	9.8	9.3	8.9	9.3	9.3	9.4	9.0	9.4
Cheyenne, Wyo	10.3	10.6	10.1	11.5	11.5	11.5	10.8	11.0	11.1	11.5	12.9	13.6	14.4	15.4	15.9	15.5	15.3	15.8	16.9	14.2	10.8	10.8	11.4	10.8	12.7
Chicago, Ill	19.1	18.8	17.7	18.1	17.5	18.2	18.0	19.0	19.1	18.9	18.8	18.7	20.0	20.6	21.1	22.2	21.5	20.4	20.4	19.5	20.0	19.5	19.1	18.7	19.4
Cincinnati, Ohio	8.7	8.3	8.1	8.2	8.2	8.6	9.0	9.5	10.5	10.8	10.5	11.1	11.1	11.2	11.4	11.6	11.2	10.2	10.3	10.0	10.3	9.6	9.0	8.8	9.8
Cleveland, Ohio	17.2	17.8	19.0	18.4	18.1	16.5	16.5	16.5	16.1	15.8	16.8	16.9	17.7	18.4	18.1	18.2	17.1	15.9	15.6	15.6	14.9	15.4	15.7	15.6	16.8
Columbia, Mo	11.6	10.8	10.3	10.4	10.9	10.3	10.3	10.3	11.4	12.6	13.2	13.1	13.0	13.4	13.0	12.8	12.6	12.0	11.5	10.2	10.1	11.0	11.5	11.4	11.6
Columbus, Ohio	9.3	8.8	8.7	8.5	8.6	8.4	8.1	9.0	10.0	10.0	10.7	11.0	11.5	11.3	11.1	10.9	10.9	10.4	9.7	8.9	9.2	8.9	8.9	9.1	9.7
Concordia, Kans	8.7	8.4	8.6	8.3	7.7	7.6	7.1	7.1	7.9	9.0	9.7	10.5	10.3	10.6	10.8	10.7	10.8	10.4	10.0	9.1	8.2	8.3	8.6	8.7	9.0
Corpus Christi, Tex	12.5	11.9	12.5	12.4	12.1	12.5	11.9	11.1	11.4	12.6	13.4	14.6	15.5	15.3	15.6	16.2	16.1	15.3	15.5	14.5	14.3	14.4	13.5	12.6	13.6
Davenport, Iowa	8.5	8.6	8.7	8.9	8.8	8.8	8.7	8.8	9.4	9.9	10.5	10.9	11.3	12.0	12.0	11.8	11.3	10.9	10.1	8.9	8.6	9.4	9.6	9.6	9.8
Denver, Colo	8.4	7.5	7.6	8.1	7.1	7.2	7.2	7.8	7.3	6.9	6.9	8.3	8.7	10.1	10.8	10.9	10.2	10.9	12.4	10.9	9.8	9.0	8.1	9.1	8.8
Des Moines, Iowa	9.0	9.2	8.6	8.7	8.5	7.5	7.8	7.7	8.8	9.9	10.5	10.7	11.5	11.6	12.2	12.6	12.1	12.2	11.5	10.1	9.9	10.1	10.1	9.5	10.0
Detroit, Mich	9.8	9.4	9.1	8.9	8.8	9.3	9.3	9.7	10.4	11.3	12.4	12.8	13.6	13.6	13.5	12.9	12.9	12.9	12.4	11.7	11.8	10.8	10.7	10.4	11.2
Dodge City, Kans	12.7	11.5	10.4	9.9	9.6	9.8	10.3	10.2	11.0	12.8	14.2	14.0	14.5	15.2	15.3	16.4	16.1	15.8	15.5	13.7	12.9	13.0	14.0	13.5	13.0
Dubuque, Iowa	6.9	6.5	6.8	6.6	6.8	7.2	6.7	6.5	7.0	7.8	8.5	8.9	9.9	10.6	10.5	10.8	10.1	9.7	8.9	8.5	7.6	8.0	7.3	6.8	8.1
Duluth, Minn	8.5	9.5	9.9	9.6	10.2	9.6	10.0	10.0	10.3	10.5	10.6	10.9	11.5	11.3	11.7	11.8	11.9	11.1	11.0	10.0	10.1	9.5	9.4	9.7	10.4
Eastport, Me	12.5	12.0	11.7	11.8	11.2	11.8	11.6	12.4	13.1	12.7	13.0	12.5	12.7	13.0	13.9	14.4	14.8	14.2	14.1	14.0	14.8	14.7	13.9	13.3	13.1
El Paso, Tex	15.3	14.6	12.5	11.4	11.8	10.3	10.2	9.8	10.9	10.3	10.5	12.9	16.0	19.7	22.0	23.6	24.7	24.5	24.0	21.0	18.9	16.8	15.7	15.0	15.9
Erie, Pa	13.5	14.1	13.9	14.9	15.2	15.5	14.0	13.9	14.3	14.8	15.1	15.3	16.0	15.9	15.8	15.2	14.9	14.0	13.2	12.3	11.9	11.8	12.3	13.0	14.2
Eureka, Cal	8.1	7.4	7.3	6.3	6.4	6.0	6.4	6.4	6.5	6.7	6.4	6.8	7.7	8.2	9.5	10.8	11.2	11.3	11.9	11.6	11.1	10.3	9.8	8.4	8.4
Fort Canby, Wash	14.8	15.9	16.0	16.7	17.0	18.2	18.7	18.2	17.1	17.1	17.2	18.5	18.8	18.7	18.3	16.9	17.0	15.7	15.7	15.9	14.6	15.4	13.8	14.4	16.7
Fort Smith, Ark	8.1	8.8	8.9	8.6	9.2	9.2	9.1	9.6	9.9	10.6	10.5	10.4	11.2	10.5	10.2	10.2	10.3	10.3	10.0	8.9	8.6	8.7	9.2	8.9	9.6
Fresno, Cal	5.6	5.8	5.8	5.4	5.4	5.6	5.3	4.8	5.0	4.7	4.5	5.8	6.8	7.1	7.4	7.7	7.9	8.0	8.3	8.5	7.3	5.8	5.5	5.1	6.2
Galveston, Tex	11.5	11.5	11.9	11.9	12.0	11.6	11.2	10.6	10.7	11.4	11.9	12.5	13.1	12.6	12.8	12.5	12.5	12.4	13.0	12.3	11.3	10.9	11.5	11.2	11.9
Grand Haven, Mich	9.6	9.6	10.0	10.3	9.7	9.9	9.9	9.5	11.3	11.7	12.9	13.4	13.5	13.6	13.7	13.4	13.5	13.7	12.5	11.5	11.5	11.1	10.2	10.1	11.5
Greenbay, Wis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hannibal, Mo	9.0	9.0	9.5	10.3	9.7	9.8	9.2	8.7	8.5	10.0	11.2	11.9	12.8	12.8	12.6	13.0	12.5	12.4	11.5	10.0	9.6	9.7	9.7	9.8	10.6
Harrisburg, Pa	8.0	7.9	7.4	7.7	7.9	7.1	6.6	7.7	8.3	8.9	8.9	9.2	10.1	10.4	10.7	10.3	9.7	9.2	8.7	8.5	9.5	9.3	8.7	8.3	8.7
Hatteras, N. C	14.2	13.9	14.4	14.3	14.8	15.0	15.1	15.5	16.3	16.4	16.5	16.5	16.6	15.9	15.6	16.1	15.4	15.0	14.1	13.8	13.6	13.1	13.5	14.4	15.0
Havre, Mont	7.3	8.0	6.7	6.2	6.9	6.6	6.5	7.1	7.1	7.7	8.2	9.2	10.6	11.4	11.0	11.6	11.7	11.5	11.5	11.4	10.0	8.9	8.3	7.5	8.9
Helena, Mont	6.4	6.2	5.8	6.0	6.1	5.8	5.3	4.8	4.7	5.3	5.2	5.7	6.1	5.4	5.9	6.4	6.6	6.5	6.5	6.6	6.1	6.5	6.0	5.5	5.9
Huron, S. Dak.*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Idaho Falls, Idaho	10.4	9.7	10.1	10.2	10.6	10.5	10.5	10.7	11.1	11.5	12.4	13.7	13.4	14.5	15.3	15.1	14.8	13.9	13.5	12.3	11.3	10.9	11.5	11.2	12.0
Indianapolis, Ind	11.1	10.9	10.8	10.9	11.0	11.5	11.5	12.2	11.8	13.7	14.3	14.5	14.7	14.6	14.1	14.5	14.7	15.0	13.8	12.6	13.0	13.0	12.7	12.7	12.9
Jacksonville, Fla	6.8	7.0	7.5	7.5	7.8	7.0	6.9	7.5	9.2	10.7	11.2	11.4	11.5	12.5	12.8	12.5	12.7	11.6	10.4	9.4	8.1	7.7	7.4	6.9	9.3
Jupiter, Fla	10.0	10.1	10.0	9.8	10.0	9.7	9.0	9.1	10.9	12.4	12.5	13.3	13.6	13.8	14.0	13.5	12.6	12.0	11.0	10.6	10.9	10.5	10.5	10.3	11.3
Kansas City, Mo	8.1	8.5	8.6	7.8	7.6	8.1	8.2	9.0	9.2	10.1	9.8	10.3	10.9	11.2	10.6	10.6	10.6	10.3	9.7	9.0	9.5	9.1	8.7	8.3	9.3
Keokuk, Iowa	8.1	8.4	8.2	8.2	7.7	7.6	7.6	7.7	7.7	8.9	9.4	10.9	10.5	10.4	10.7	10.5	10.2	10.4	9.4	8.6	8.8	8.7	8.9	8.7	9.0
Key West, Fla	9.6	9.5	9.5	9.4	9.6	9.6	9.3	10.1	11.2	12.3	12.7	12.9	12.5	12.6	12.2	11.8	11.7	11.5	10.6	10.6	10.7	10.4	10.1	9.5	10.8
Kittyhawk, N. C	15.0	15.7	16.3	16.3	16.0	16.0	16.1	16.4	15.7	15.9	16.0	16.4	17.0	18.2	18.0	17.6	16.4	14.6	13.8	14.3	15.7	14.7	15.0	14.9	15.9
Knoxville, Tenn	5.7	5.8	5.8	5.5	5.6	6.0	5.6	6.0	6.0	7.8	8.2	8.1	8.4	9.2	9.5	8.8	8.4	7.8	7.3	6.2	5.8	6.0	6.0	5.4	6.9
La Crosse, Wis	5.7	6.3	6.5	6.0	6.3	5.9	5.8	5.9	6.3	7.1	7.9	8.4	8.7	9.3	9.5	10.0	9.6	9.6	8.5	7.6	7.1	6.0	6.8	6.6	7.4
Lander, Wyo	5.7	5.3	5.0	4.0	3.6	3.4	3.3	3.9	3.5	3.6	4.7	5.3	6.2	7.3	7.7	8.6	9.3	8.7	8.5	8.6	7.5	6.3	5.8	5.8	5.9
Lexington, Ky	14.0	14.8	15.3	15.3	15.9	15.9	15.5	16.0	16.5	17.1	17.3	17.0	16.4	16.7	16.5	16.5	15.7	14.2	13.9	13.6	13.6	14.5	14.6	14.3	15.5
Little Rock, Ark	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Los Angeles, Cal	3.2	3.3	3.6	3.8	3.7	4.2	3.9	4.0	4.1	4.5	4.6	5.0	5.0	6.0	6.6	7.8	9.1	9.5	9.5	8.8	6.8	4.7	3.4	3.2	5.3
Louisville, Ky	9.2	9.1	10.0	9.6	9.6	9.4	9.5	9.9	11.3	11.9	11.9	11.6	11.9	12.6	13.1	13.1	12.1	11.5	10.5	10.4	10.7	10.8	10.4	9.4	10.8
Lynchburg, Va	4.1	4.1	4.4	3.6	3.6	3.8	3.4	3.7	5.0	5.7	5.7	6.2	6.6	7.6	8.0	7.7	7.7	7.6	6.5	5.1	4.7	4.3	4.0	4.0	5.3
Marquette, Mich	8.0	8.0	8.2	7.6	8.1	7.3	8.0	8.5	9.0	9.8	10.3	10.8	11.9	12.2	12.7	13.0	11.9	11.6	9.7	8.5	8.3	8.1	7.9	8.0	9.4
Memphis, Tenn	13.8	13.9	14.3	13.6	13.5	13.9	14.0	14.6	14.0	13.8	14.3	14.1	13.9	13.4	13.3	13.4	13.4	12.6	11.9	10.9	10.9	11.7	12.6	13.5	13.3
Milwaukee, Wis	10.3	11.0	11.1	10.8	11.0	10.8	10.9	10.2	10.6	11.3	11.8	12.5	13.5	13.7	13.1	13.5	13.2	13.0	12.0	10.6	10.5	10.5	10.5	10.0	11.5
Mobile, Ala	8.2	8.1	8.4	7.7	7.1	6.6	6.7	7.0	7.1	9.1	9.2	10.2	11.7	12.9	12.6	12.6	12.4	11.9	10.9	9.7	8.6	8.5	9.1	9.1	9.4
Montgomery, Ala	7.6	7.9	7.7	8.0	7.3	7.1	6.7	6.8	7.8	8.9	9.2	9.5	10.0	9.9	9.7	10.3	9.7	8.5	7.7	7.6	7.9	8.3	8.1	7.9	8.3
Moorhead, Minn	10.5	11.1	11.0	11.0	11.1	11.5	11.4	11.5	11.5	11.5	12.5	12.7	13.0	13.1	13.2	12.5	12.4	11.5	11.2	10.7	10.6	10.4	10.4	10.0	11.5
Nantucket, Mass	13.1	12.5	12.8	12.6	13.0	12.6	12.4	13.1	13.9	13.7	14.2	14.9	15.5	14.8	14.9	14.5	14.0	14.0	13.1	13.1	13.1	13.1	13.3	12.7	13.5
Nashville, Tenn	9.3	9.8	9.9	9.8	9.1	8.9	9.1	9.3	10.4	10.9	11.1	10.9	11.5	12.2	12.3	12.0	11.7	11.3	9.7	8.9	8.5	8.4	9.0	8.8	10.1
New Haven, Conn	7.9	8.3	8.1	8.4	8.0	8.4	8.7	10.0	11.2	12.3	12.4	12.8	13.0	13.6	13.1	13.0	12.1	10.6	8.5	8.5	9.5	10.0	10.0	8.8	10.3
New Orleans, La	9.6	9.5	8.5	8.9	8.2	7.7	8.6	9.1	9.6	10.8	11.5	12.5	13.0	13.6	13.8	13.4	13.2	11.5	11.7	10.5	10.0	9.7	9.7	9.6	10.6
New York, N. Y	15.0	14.7	13.1	14.4	15.1	15.2	15.5	15.3	15.7	16.6	16.8	16.8	15.7	16.6	16.6	16.9	17.3	17.1	16.2	14.9	14.7	15.0	14.4	14.6	15.6
Norfolk, Va	8.5	8.2	8.3	8.0	8.1	7.6	8.3	8.8	10.1	11.4	10.9	10.5	11.3	11.4	10.8	10.4	10.4	9.7	9.4	8.6	9.4	9.4	8.4	7.8	9.4
Northfield, Vt	7.9	8.5	9.0	8.5	7.5	7.1	7.7	7.9	10.4	11.5	13.1	14.6	15.0	15.2	14.8	14.1	13.6	11.9	9.7	8.2	8.4	8.0	7.7	7.3	10.3
North Platte, Nebr	9.5	9.5	9.6	8.9	9.1	8.6	9.5	9.5	9.1	10.0	11.1	11.5	12.5	13.2	13.0	13.5	13.0	12.1	11.5	10.1	9.4	9.3	9.9	9.0	10.5
Oklahoma, Okla	9.5	9.5	9.7	9.5	9.9	9.9	8.9	8.9	9.1	10.5	10.9	10.7	10.5	10.9	10.9	11.3	11.4	11.7	10.7	8.7	9.1	8.8	9.3	9.5	10.0
Omaha, Nebr	8.9	8.4	8.0	7.8	8.3	8.3	8.2	8.4	8.9	9.8	10.4	10.1	11.5	11.8	11.9	11.6	11.1	10.7	9.9	9.4	9.0	8.6	8.8	9.2	9.5
Oswego, N. Y	13.6	14.2	13.9	14.3	14.2	14.4	14.1	15.0	15.1	15.4	15.7	14.7	15.1	14.3	14.4	14.2	14.2	14.8	13.7	13.6	13.3	13.3	13.1	13.3	14.2
Palestine, Tex	8.5	8.6	8.8	9.1	8.6	8.4	7.8	7.9	8.7	10.0	10.6	10.6	10.5	10.9	10.7	10.3	10.1	9.5	8.7	7.5	7.0	7.2	8.1	7.9	9.0
Parkersburg, W. Va	5.7	6.1	6.4	6.0	6.5	6.0	6.4	6.7	7.7	8.4	8.7	8.8	10.1	10.5	10.5	10.2	9.2	8.2	7.7	7.0	5.7	6.2	5.8	6.2	7.5
Pensacola, Fla	11.9	11.4	11.5	11.0	10.2	9.5	9.6	9.7	10.5	10.9	11.9	12.5	13.7	13.9	13.2	13.5	13.5	13.5	12.7	12.1	11.6	12.2	12.4	12.8	11.9

* Record incomplete.

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

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.
Philadelphia, Pa	10.3	10.5	10.1	9.3	9.3	9.4	9.7	11.0	11.7	11.8	11.8	11.7	11.7	12.6	12.9	11.9	11.7	11.5	10.5	10.2	10.1	10.3	10.1	10.3	10.9
Phœnix, Ariz	3.6	3.7	3.7	3.7	3.8	3.8	3.7	4.4	4.2	4.3	4.4	5.2	5.1	5.5	5.9	6.9	7.4	7.3	7.5	6.8	4.9	4.0	3.6	3.4	4.9
Pierre, S. Dak	9.5	9.3	9.5	9.3	8.5	9.4	9.7	9.6	9.7	10.1	10.2	10.2	10.9	11.2	11.5	11.7	11.6	11.5	11.9	12.1	11.3	10.3	9.8	9.5	10.3
Pittsburg, Pa	6.8	7.2	7.8	7.3	7.1	7.3	8.2	7.3	7.8	8.2	8.2	8.1	8.9	8.9	9.6	9.1	9.1	8.3	7.0	6.3	6.5	7.1	7.3	7.3	7.8
Port Angeles, Wash.	5.4	5.4	5.5	5.6	5.8	6.3	6.1	6.9	6.5	6.3	5.5	4.0	4.6	5.7	6.8	7.9	8.4	7.8	8.5	8.4	6.5	5.7	5.7	5.3	6.3
Port Huron, Mich	11.5	11.2	11.4	11.1	10.8	10.3	10.1	10.4	11.1	12.7	13.1	14.0	14.6	14.7	15.2	14.7	14.4	13.9	13.0	12.5	13.0	12.0	11.5	10.8	12.4
Portland, Me	6.0	6.2	6.3	5.9	6.1	6.3	6.8	7.3	7.9	8.3	8.6	9.4	8.9	9.4	10.1	10.3	9.5	9.2	7.9	7.4	7.1	7.1	6.8	6.3	7.7
Portland, Oreg	8.9	9.8	10.7	10.9	11.7	10.9	10.7	10.8	10.2	10.2	11.3	11.3	12.6	12.6	13.2	14.0	12.9	12.6	12.2	11.4	11.1	10.6	9.5	9.3	11.2
Pueblo, Colo	7.0	7.0	6.9	6.9	6.9	6.9	6.9	6.1	5.6	5.4	6.6	8.9	10.3	10.2	11.4	12.5	14.9	16.2	15.5	14.2	12.5	12.2	9.6	7.9	9.5
Raleigh, N. C	6.2	6.2	6.2	6.2	6.3	6.2	5.8	6.1	6.9	7.9	8.7	8.7	9.4	9.1	9.0	9.3	8.9	7.4	6.0	6.2	6.4	7.0	7.1	6.4	7.2
Rapid City, S. Dak	6.6	6.8	6.9	5.7	6.5	6.5	6.5	6.3	6.3	6.2	6.4	7.0	8.5	9.5	9.6	10.3	10.4	10.8	10.5	9.6	7.8	6.2	6.5	6.5	7.7
Redbluff, Cal	8.5	8.8	8.8	8.7	8.2	7.5	7.1	7.7	7.3	6.7	7.0	8.3	10.2	10.3	10.0	10.2	10.5	10.2	10.3	10.8	9.7	9.8	9.5	9.1	9.0
Rochester, N. Y	8.7	8.9	8.3	8.1	8.6	8.8	8.6	9.5	10.4	10.9	10.9	11.2	12.6	12.9	13.2	12.4	11.9	11.1	10.0	10.2	10.1	9.6	9.1	8.8	10.2
Roseburg, Oreg	3.0	3.6	3.5	4.0	3.3	3.7	3.5	3.8	3.7	3.7	4.1	4.4	4.7	5.7	6.5	6.8	7.4	7.3	7.0	6.7	6.5	4.6	4.3	3.7	4.8
Sacramento, Cal	9.9	9.8	9.9	11.0	10.6	10.4	9.9	9.3	9.5	9.6	9.5	10.6	12.2	11.9	12.5	12.8	12.5	11.8	12.5	11.8	10.3	10.2	9.8	10.3	10.8
St. Louis, Mo	10.1	11.0	10.5	10.1	10.0	9.7	10.1	9.5	10.1	10.5	10.7	11.8	12.3	12.7	13.6	13.7	13.6	12.7	12.7	11.6	11.5	11.2	11.8	11.4	11.4
St. Paul, Minn	6.9	7.0	6.9	7.3	7.2	7.2	7.3	7.7	8.1	8.3	9.1	9.4	9.5	9.5	10.2	9.6	9.6	9.5	8.5	7.7	7.3	7.4	6.9	6.8	8.1
Salt Lake City, Utah	5.9	5.2	5.3	5.4	5.7	6.0	6.1	5.3	4.9	5.3	7.3	7.6	9.2	10.5	11.7	11.4	10.5	10.6	10.0	8.6	7.5	6.0	5.6	5.5	7.4
San Antonio, Tex	9.8	8.5	9.2	8.1	8.2	8.0	8.2	7.5	7.9	9.3	10.9	11.9	12.4	12.0	11.8	10.7	10.3	10.6	10.5	9.6	10.5	10.4	10.7	10.5	9.9
San Diego, Cal	3.7	4.2	4.1	4.7	4.5	4.7	5.0	5.5	5.2	4.8	4.6	5.1	5.9	7.2	8.5	9.5	9.6	9.9	9.6	8.8	7.4	5.3	4.3	3.9	6.1
Sandusky, Ohio	11.2	11.3	11.3	11.2	10.8	10.7	10.7	10.4	10.6	11.2	12.4	12.8	13.5	13.2	13.0	13.5	12.8	12.6	12.2	12.2	12.3	11.5	11.4	11.4	11.8
San Francisco, Cal	9.7	9.7	9.3	9.2	8.8	8.2	7.8	8.5	7.8	8.2	9.0	9.3	10.3	10.3	10.8	12.4	15.8	17.4	18.1	17.6	15.9	13.5	12.0	10.9	11.3
San Luis Obispo, Cal.	4.1	4.2	4.3	4.7	4.2	4.2	4.1	4.4	4.8	5.1	5.0	5.4	7.1	7.8	8.4	10.0	10.6	11.3	11.0	10.4	8.0	4.8	3.9	3.8	6.3
Santa Fe, N. Mex	5.9	6.1	6.1	5.6	5.0	5.5	6.5	6.3	5.7	6.9	8.5	9.5	10.7	11.6	12.5	13.4	13.5	13.3	13.1	12.1	8.2	7.5	7.0	6.0	8.6
Sault Ste Marie, Mich.	8.9	8.3	8.0	8.0	7.8	7.5	7.3	7.1	8.0	8.8	9.6	10.0	10.2	11.0	12.1	12.0	12.4	12.1	12.4	11.0	9.9	10.5	9.8	9.7	9.7
Savannah, Ga	7.3	7.0	6.4	6.2	7.0	7.1	7.5	7.8	9.4	10.5	11.1	11.1	11.5	11.7	11.9	12.0	11.9	10.5	9.7	9.4	8.7	8.3	8.2	7.7	9.2
Seattle, Wash	6.9	6.2	6.5	6.8	6.9	6.8	7.1	7.1	7.0	6.6	7.0	7.6	7.9	8.4	9.4	10.3	10.2	9.7	9.4	8.7	8.2	7.5	7.4	7.1	7.8
Shreveport, La	8.5	8.9	8.6	8.4	8.4	7.7	7.6	7.7	8.4	10.1	10.4	9.7	10.5	9.9	10.2	10.5	10.2	10.0	10.1	9.1	8.4	8.9	8.6	9.1	9.2
Sioux City, Iowa	12.0	13.1	12.2	13.0	13.0	12.8	12.4	12.4	12.8	13.6	14.9	15.2	16.0	16.5	17.3	17.6	17.0	16.5	15.1	14.1	14.2	14.7	13.9	13.2	14.3
Spokane, Wash	6.6	6.6	6.4	6.1	5.3	5.5	6.0	4.7	5.2	5.5	6.7	7.3	8.1	8.7	9.3	9.6	9.6	9.3	8.5	7.8	6.2	5.9	6.0	6.4	7.0
Springfield, Ill	9.6	9.6	9.9	10.3	10.7	10.9	10.4	10.6	11.0	11.5	11.8	12.4	12.6	13.2	13.6	13.1	12.5	12.1	11.2	10.2	9.8	10.7	11.1	10.4	11.2
Springfield, Mo	13.7	13.6	13.0	12.5	12.5	12.8	13.0	13.6	13.9	15.2	15.8	15.9	15.6	14.9	14.2	13.8	14.3	13.2	13.1	11.7	12.7	14.2	13.1	13.0	13.7
Tampa, Fla	6.2	5.9	5.9	5.8	5.8	5.8	6.6	6.9	8.6	10.0	10.5	10.1	10.5	10.6	10.8	10.5	10.0	8.7	7.8	6.4	6.5	6.6	6.1	5.6	7.8
Tatoosh Island, Wash.	14.0	15.3	15.0	16.7	16.0	16.2	15.7	16.6	16.1	17.4	17.5	16.3	16.2	17.4	16.7	16.5	16.9	17.5	16.7	16.3	14.6	14.1	14.1	14.2	16.0
Toledo, Ohio	9.6	9.0	9.1	8.8	8.8	9.5	9.0	9.5	10.5	10.5	11.6	12.5	13.3	12.9	13.1	13.0	13.0	12.5	11.7	11.1	10.7	10.1	9.6	9.5	10.8
Vicksburg, Miss	10.5	9.9	9.3	9.1	9.3	9.6	9.6	9.5	9.6	9.5	10.0	10.0	10.2	10.0	10.1	10.8	10.4	9.5	9.1	8.9	8.6	8.8	9.5	9.8	9.7
Vineyard Haven, Mass	10.0	9.8	10.0	10.4	9.8	10.4	10.4	10.8	11.7	11.7	12.6	12.7	13.3	12.3	12.4	12.6	11.5	10.3	9.5	9.2	9.3	9.8	9.8	9.4	10.8
Walla Walla, Wash	7.4	7.0	7.2	7.1	6.9	7.4	7.3	8.1	7.1	7.0	7.1	7.9	8.3	9.4	9.8	10.1	10.6	10.1	9.6	9.1	8.8	8.4	8.3	7.9	8.2
Washington, D. C	6.1	6.0	6.3	6.4	5.8	6.1	6.1	6.6	8.0	8.7	9.3	9.7	9.9	10.7	11.1	11.0	10.5	9.4	8.4	8.1	8.1	7.6	7.5	6.9	8.1
Wichita, Kans	10.3	10.7	10.1	9.9	9.8	9.9	9.4	9.5	9.9	11.0	11.3	11.7	11.7	11.9	12.3	12.4	11.6	11.7	11.5	9.9	8.9	9.8	10.2	10.4	10.7
Williston, N. Dak	8.1	7.4	7.1	7.0	6.5	6.4	5.8	5.6	5.5	5.9	6.4	6.5	8.1	9.8	10.0	10.5	10.5	10.0	9.5	9.7	8.5	8.5	8.0	8.0	7.9
Wilmington, N. C	8.0	7.8	6.8	6.9	7.2	7.1	6.8	7.9	9.7	10.8	12.4	12.0	12.1	12.8	13.0	12.8	12.0	10.6	9.5	8.8	8.8	8.6	7.7	8.0	9.5
Winnemucca, Nev	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Woods Hole, Mass	16.6	16.3	16.9	16.8	16.4	15.7	15.6	15.5	16.3	16.8	17.6	18.1	18.1	17.9	17.6	18.5	18.6	17.5	15.3	15.5	16.7	16.5	16.2	15.2	16.8

TABLE VIII.—*Resultant winds from observations at 8 a. m. and 8 p. m., daily, during the month of March, 1897.*

Stations.	Component direction from— N.	S.	E.	W.	Resultant. Direction from—	Duration.
	Hours.	Hours.	Hours.	Hours.	°	Hours.
New England.						
Eastport, Me	23	14	13	25	n. 53 w.	15
Portland, Me	24	16	7	27	n. 68 w.	22
Northfield, Vt	24	32	3	8	s. 32 w.	9
Boston, Mass	27	11	9	29	n. 51 w.	26
Nantucket, Mass	23	17	10	26	n. 69 w.	17
Woods Hole, Mass.*	7	11	7	13	s. 56 w.	7
Block Island, R. I	22	15	12	29	n. 68 w.	18
New Haven, Conn	28	15	12	19	n. 28 w.	15
Middle Atlantic States.						
Albany, N. Y	24	20	3	21	n. 77 w.	18
Binghamton, N. Y†	9	10	7	11	s. 76 w.	4
New York, N. Y	22	16	16	24	n. 53 w.	10
Harrisburg, Pa	15	11	25	22	n. 37 e.	5
Philadelphia, Pa	22	14	16	24	n. 45 w.	11
Atlantic City, N. J	20	18	15	25	n. 79 w.	10
Baltimore, Md	20	0	28	21	n. 19 e.	21
Washington, D. C	25	19	18	14	n. 34 e.	7
Lynchburg, Va	18	25	13	23	s. 55 w.	12
Norfolk, Va	18	22	21	18	s. 37 e.	5
South Atlantic States.						
Charlotte, N. C	12	25	27	14	s. 45 e.	18
Hatteras, N. C	23	23	17	15	e.	2
Kittyhawk, N. C.	24	17	21	20	n. 8 e.	7
Raleigh, N. C	18	24	12	18	s. 45 w.	8
Wilmington, N. C	17	21	16	21	s. 51 w.	6
Charleston, S. C	19	19	16	23	w.	7
Augusta, Ga	19	18	22	19	n. 72 e.	3
Savannah, Ga	20	20	19	15	e.	4
Jacksonville, Fla	19	21	22	14	s. 76 e.	8
Florida Peninsula.						
Jupiter, Fla	5	32	26	8	s. 17 e.	28
Key West, Fla	10	24	41	2	s. 70 e.	41
Tampa, Fla	14	20	21	20	s. 9 e.	6
Eastern Gulf States.						
Atlanta, Ga	16	17	26	17	s. 84 e.	9
Pensacola, Fla	8	32	21	15	s. 14 e.	25
Mobile, Ala	10	39	19	8	s. 21 e.	31
Montgomery, Ala	12	24	25	15	s. 40 e.	16
Vicksburg, Miss	13	32	27	9	s. 43 e.	26
New Orleans, La	9	35	25	6	s. 36 e.	32
Western Gulf States.						
Shreveport, La	13	29	23	15	s. 27 e.	18
Fort Smith, Ark	10	6	36	14	n. 80 e.	22
Little Rock, Ark	14	23	23	13	s. 48 e.	14
Corpus Christi, Tex	14	30	30	3	s. 59 e.	31
Galveston, Tex	8	42	16	11	s. 8 e.	34
Palestine, Tex	15	31	13	16	s. 11 w.	16
San Antonio, Tex	20	23	35	5	s. 84 e.	30
Ohio Valley and Tennessee.						
Chattanooga, Tenn	21	16	16	15	n. 11 e.	5
Knoxville, Tenn	26	9	13	27	n. 39 w.	22
Memphis, Tenn	17	21	26	11	s. 75 e.	16
Nashville, Tenn	19	25	17	11	s. 45 e.	8
Lexington, Ky	19	21	16	24	s. 76 w.	8
Louisville, Ky	16	17	20	17	s. 72 e.	3
Indianapolis, Ind	17	20	15	22	s. 67 w.	8
Cincinnati, Ohio	17	18	24	19	s. 79 e.	5
Columbus, Ohio	16	14	21	25	n. 63 w.	4
Pittsburg, Pa	12	22	15	28	s. 52 w.	16
Parkersburg, W. Va	22	17	17	16	n. 11 e.	5
Lower Lake Region.						
Buffalo, N. Y	17	16	17	25	n. 83 w.	8
Oswego, N. Y	16	25	14	21	s. 38 w.	11
Rochester, N. Y	15	20	17	28	s. 66 w.	12
Erie, Pa	13	15	20	23	s. 56 w.	4
Cleveland, Ohio	17	18	20	20	s.	1
Sandusky, Ohio	15	12	23	21	n. 34 e.	4
Toledo, Ohio	13	14	23	25	s. 63 w.	2
Detroit, Mich	20	15	21	20	n. 11 e.	5
Upper Lake Region.						
Alpena, Mich	18	13	20	25	n. 45 w.	7
Grand Haven, Mich	22	7	30	15	n. 45 e.	21
Marquette, Mich	31	13	14	18	n. 13 w.	18
Port Huron, Mich	23	15	16	24	n. 45 w.	11
Sault Ste. Marie, Mich	22	18	18	18	n.	4
Chicago, Ill	23	16	23	14	n. 52 e.	11
Milwaukee, Wis	23	11	20	20	n.	12
Upper Lake Region—Cont'd.						
Greenbay, Wis	27	15	13	16	n. 14 w.	12
Duluth, Minn	35	10	18	18	n.	25
North Dakota.						
Moorhead, Minn	20	19	16	24	n. 83 w	8
Bismarck, N. Dak	27	10	23	18	n. 16 e.	18
Williston, N. Dak	32	14	17	10	n. 21 e.	19
Upper Mississippi Valley.						
St. Paul, Minn	19	14	22	27	n. 45 w.	7
La Crosse, Wis. †	16	6	3	9	n. 31 w.	12
Davenport, Iowa	18	8	25	23	n. 11 e.	10
Des Moines, Iowa	25	15	26	14	n. 50 e.	16
Dubuque, Iowa	22	13	22	22	n.	9
Keokuk, Iowa	22	14	24	18	n. 37 e.	10
Cairo, Ill	20	23	22	8	s. 78 e.	14
Springfield, Ill	16	24	20	20	s.	8
Hannibal, Mo. †	10	8	11	7	n. 63 e.	4
St. Louis, Mo	17	16	25	14	n. 85 e.	11
Missouri Valley.						
Columbia, Mo.*	11	9	12	8	n. 63 e.	4
Kansas City, Mo	22	19	27	8	n. 81 e.	19
Springfield, Mo	17	23	27	13	s. 67 e.	15
Lincoln, Nebr	26	17	29	7	n. 68 e.	24
Omaha, Nebr	31	15	20	14	n. 21 e.	17
Sioux City, Iowa†	13	8	11	5	n. 50 e.	8
Pierre, S. Dak	25	13	33	9	n. 62 e.	26
Huron, S. Dak	25	19	20	17	n. 27 e.	7
Yankton, S. Dak	26	7	27	20	n. 20 e.	20
Northern Slope.						
Havre, Mont	22	4	19	29	n. 29 w.	21
Miles City, Mont	33	13	19	13	n. 17 e.	21
Helena, Mont	15	11	1	45	n. 85 w.	44
Rapid City, S. Dak	24	13	21	22	n. 5 w.	11
Cheyenne, Wyo	21	18	7	28	n. 82 w.	21
Lander, Wyo	17	24	9	25	s. 66 w.	18
North Platte, Nebr	17	19	24	17	s. 74 e.	7
Middle Slope.						
Denver, Colo	21	23	20	11	s. 77 e.	9
Pueblo, Colo	20	13	16	24	n. 49 w.	11
Concordia, Kans	21	19	23	10	n. 81 e.	13
Dodge City, Kans	21	23	16	16	s.	2
Wichita, Kans	25	21	22	7	n. 75 e.	16
Oklahoma, Okla	18	28	18	14	s. 22 e.	11
Southern Slope.						
Abilene, Tex	19	24	19	14	s. 45 e.	7
Amarillo, Tex	11	28	11	19	s. 25 w.	19
Southern Plateau.						
El Paso, Tex	24	7	5	42	n. 66 w.	41
Santa Fe, N. Mex	19	22	13	25	s. 76 w.	12
Phœnix, Ariz	17	10	18	26	n. 49 w.	11
Yuma, Ariz	23	13	12	29	n. 60 w.	20
Middle Plateau.						
Carson City, Nev	13	27	5	30	s. 61 w.	29
Winnemucca, Nev	8	25	6	35	s. 60 w.	34
Salt Lake City, Utah	14	23	16	21	s. 29 w.	10
Northern Plateau.						
Baker City, Oreg	15	33	12	20	s. 24 w.	20
Idaho Falls, Idaho	13	40	4	8	s. 8 w.	27
Spokane, Wash	11	22	22	13	s. 39 e.	14
Walla Walla, Wash	5	48	8	9	s. 1 w.	43
North Pacific Coast Region.						
Fort Canby, Wash	11	14	22	25	s. 45 w.	4
Port Angeles, Wash.*	1	8	8	18	s. 55 w.	12
Seattle, Wash	9	38	15	11	s. 8 e.	29
Tatoosh Island, Wash	8	17	27	16	s. 51 e.	14
Portland, Oreg	9	34	11	21	s. 22 w.	27
Roseburg, Oreg	12	27	13	28	s. 45 w.	21
Middle Pacific Coast Region.						
Eureka, Cal	16	20	16	21	s. 51 w.	6
Redbluff, Cal	21	21	17	20	w.	3
Sacramento, Cal	20	28	9	21	s. 56 w.	14
San Francisco, Cal	11	13	3	3	s. 87 w.	36
South Pacific Coast Region.						
Fresno, Cal	25	9	13	34	n. 53 w.	26
Los Angeles, Cal	20	13	16	28	n. 60 w.	14
San Diego, Cal	21	13	13	31	n. 66 w.	20
San Luis Obispo, Cal	21	10	3	34	n. 70 w.	33

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

TABLE IX.—*Thunderstorms and auroras, March*, 1897.

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	50	T.		1	1		4	3			1	3	4	6	2	2					2		3	3	2	1					1	1	4	44	18	T.
		A.																																0	0	A.
Arizona	49	T.			2												2	2	1															7	4	T.
		A.																																0	0	A.
Arkansas	50	T.	2	4	3	2	9		1	1	3	2	5		3		2	3	2	5	3		2	4	1	1						4	6	68	22	T.
		A.																																0	0	A.
California	197	T.	2				2	1	1												1						1			1				9	7	T.
		A.																																0	0	A.
Colorado	71	T.	1															3											2	1	1			8	5	T.
		A.					1																			1			1					3	3	A.
Connecticut	14	T.																								9								9	1	T.
		A.				1																												1	1	A.
Delaware	4	T.			2		1																	1	1									5	4	T.
		A.																																0	0	A.
Dist. of Columbia	4	T.																																0	0	T.
		A.																																0	0	A.
Florida	38	T.		1	2	2		1													1	5	1		1							2	1	17	10	T.
		A.																																0	0	A.
Georgia	50	T.			7		3		1			3	5	5	6	5					4	1	1	4	4		1					1	4	55	16	T.
		A.																																0	0	A.
Idaho	36	T.																								1	5					1		7	3	T.
		A.																																0	0	A.
Illinois	97	T.		4		8	9		3	35	25	1	7						3	5	20		6	15	3					1		3	26	174	17	T.
		A.												2			1																	3	2	A.
Indiana	49	T.		2		6	10	2		18	20										1	2	1	13	8						1		2	86	13	T.
		A.																																0	0	A.
Indian Territory	7	T.		1		1							1							2										2		1		8	6	T.
		A.																																0	0	A.
Iowa	101	T.				4	3	1	22	33	2					1				5	20		1							1			19	112	12	T.
		A.			1																			3			1							5	3	A.
Kansas	73	T.				10	1	1	2	9	1		2					2	1	16	11	3			1					10	2	22	4	98	17	T.
		A.																																0	0	A.
Kentucky	47	T.		2	3	3	8	1		7	17	3	4	2	2	2					2		1	9	7							2	12	87	18	T.
		A.																																0	0	A.
Louisiana	51	T.			1	1	9	6	7	2	2	1	4	3	2	1	6				14	1	6	11	2					8	6	3	11	107	22	T.
		A.																																0	0	A.
Maine	13	T.																								2								2	1	T.
		A.				7																								4	3	1	2	17	5	A.
Maryland	31	T.			3														1	1		1		6	4	9								25	7	T.
		A.										1														1								2	2	A.
Massachusetts	27	T.																				1				2		1						4	3	T.
		A.				4																								1				5	2	A.
Michigan	96	T.								20	17		1								4	9		11										62	6	T.
		A.			1									1		1						1		4				1	2	2	1	1	1	16	11	A.
Minnesota	69	T.							1	1										2	10								1	5	3		1	24	8	T.
		A.			4																			4									1	9	3	A.
Mississippi	45	T.		2	3	2	8	2	2	2	3	3	8	7	6	4	5	2	2	2	9	1	5	8	1						3	3	11	104	25	T.
		A.																													1			1	1	A.
Missouri	96	T.	5	18	3	35	6		3	32	15	1	16	1			1		2	9	19	5	3	7	4					5	3	20	37	250	23	T.
		A.																																0	0	A.
Montana	40	T.																												1				1	1	T.
		A.		1	1				1					1									1	1					2		1	2	11	10	A.
Nebraska	112	T.			2	2	1	1	10	5					1			1	1	16	3								1	3	1	29	3	80	17	T.
		A.				1																												1	1	A.
Nevada	39	T.																																0	0	T.
		A.																																0	0	A.
New Hampshire	23	T.																																0	0	T.
		A.				5			3																			1		2	1	2	2	16	7	A.
New Jersey	54	T.			18	1																		3	1	7								25	5	T.
		A.			1																													1	1	A.
New Mexico	1	T.															1	5											1					7	3	T.
		A.																																0	0	A.
New York	93	T.												1								31		10										42	3	T.
		A.				5			1																					5	1		1	13	5	A.
North Carolina	60	T.			1		11	13			1	9	1	7	5	12		1			2		1		4								3	71	14	T.
		A.																																0	0	A.
North Dakota	39	T.								1										4								1			1	1		8	5	T.
		A.	3		9	6	3			3			1	1								1	5	9	1		1		1	3			1	48	15	A.
Ohio	140	T.		1			8			38	29	11		1					1		2	14	1	44	11	4								165	12	T.
		A.																																0	0	A.
Oklahoma	20	T.				3				1								1		2	1											5		13	6	T.
		A.								1										1											1			3	3	A.
Oregon	60	T.																											1	1				2	2	T.
		A.																																0	0	A.
Pennsylvania	93	T.	1		4										1							22	1	19	1	9								58	8	T.
		A.				3							1		1																			5	3	A.
Rhode Island	6	T.																																0	0	T.
		A.				1																												1	1	A.
South Carolina	42	T.			4	1	4	8	1		1	6	4	17	12	12	1	1	1		8	1		5	1	1					1	1	6	98	22	T.
		A.																																0	0	A.
South Dakota	46	T.							1											1										1			2	5	4	T.
		A.			1	1	1								1									1										5	5	A.
Tennessee	49	T.		3	16	2	20	2		1	12	11	10	11	17	8	1				5			6	5	8					1	3	14	156	20	T.
		A.											1																					1	1	A.
Texas	91	T.			1	5	7	1	1		1					1	8	10	4	12	3		3	1					1	26		3		88	17	T.
		A.																																0	0	A.
Utah	32	T.																			1									1				2	2	T.
		A.																																0	0	A.
Vermont	13	T.																				3												3	1	T.
		A.				2									1															2				5	3	A.
Virginia	37	T.					3	1			1		1	1		1			1				1		4	7								21	10	T.
		A.																																0	0	A.
Washington	51	T.				1																		1										2	2	T.
		A.																						1			1	1	1	1	1	1	1	8	8	A.
West Virginia	37	T.									1	1	1									2		7	6									18	6	T.
		A.																																0	0	A.
Wisconsin	58	T.							1	7											2	1								7	3			21	6	T.
		A.			5	1								2									1	8					1	1				19	7	A.
Wyoming	11	T.																													4			4	1	T.
		A.			1																													1	1	A.
Sums	2,603	T.	11	39	71	89	127	44	57	213	152	55	74	62	57	49	27	31	20	83	148	103	37	189	72	61	7	2	7	74	31	105	166	2,262		T.
		A.	3	1	24	37	5	0	5	4	0	1	3	7	3	1	1	0	0	1	0	2	7	31	1	2	3	3	8	21	10	7	9	200		A.

TABLE X.—*Hourly sunshine as deduced from sunshine recorders, March*, 1897.

Stations.	Instrument.	Percentages for each hour of local mean time ending with the respective hour.																Hours of sunshine.			
		A. M.								P. M.								Total.			Personal estimate.
		5	6	7	8	9	10	11	Noon	1	2	3	4	5	6	7	8	Actual.	Possible.	Percent of possible.	
																		Hours.	*Hours.*		
Albany, N. Y	T.	.....	50	33	45	58	62	73	73	70	67	64	61	58	43	49	.....	219.2	370.9	59	40
Atlanta, Ga	T.	.....	30	20	18	22	25	30	30	34	39	30	22	20	16	30	.....	95.1	372.3	26	22
Atlantic City, N. J	P.	.....	67	49	42	52	51	53	54	50	53	53	49	46	42	46	.....	184.0	371.4	50	41
Baltimore, Md	T.	.....	75	31	31	37	56	55	57	63	61	58	56	51	36	50	.....	184.9	371.4	50	43
Binghamton, N. Y	T.	.....	0	20	22	34	38	40	46	48	47	44	37	33	40	50	.....	140.0	370.8	38	37
Bismarck, N. Dak	P.	.....	0	43	49	59	65	68	68	65	63	64	63	59	55	38	.....	221.5	370.3	60	54
Boston, Mass	T.	.....	54	42	48	50	49	44	47	50	46	42	40	40	36	33	.....	164.9	370.8	44	39
Buffalo, N. Y.*	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	39
Charleston, S. C.*	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36
Chattanooga, Tenn	T.	.....	20	13	11	19	30	31	35	38	34	29	24	20	15	30	.....	93.2	372.1	25	30
Cheyenne, Wyo	P.	.....	50	61	61	63	65	66	65	57	65	61	57	45	37	46	.....	216.5	371.2	58	49
Chicago, Ill	T.	.....	46	35	42	50	58	63	60	59	61	53	45	40	31	30	.....	184.5	370.8	50	46
Cincinnati, Ohio	T.	.....	33	37	38	47	50	55	54	53	59	45	41	33	19	17	.....	164.1	371.4	44	35
Cleveland, Ohio	T.	.....	69	36	37	46	49	53	58	55	57	55	44	35	26	35	.....	170.2	370.8	46	42
Columbus, Ohio	T.	.....	50	23	27	35	38	38	44	40	42	37	32	24	20	20	.....	124.3	371.2	33	30
Denver, Colo	P.	.....	50	53	64	67	73	68	74	65	71	70	61	56	53	43	.....	239.1	371.2	64	43
Des Moines, Iowa	T.	.....	23	33	34	27	31	35	41	44	49	49	48	47	43	48	.....	148.9	370.8	40	37
Detroit, Mich	T.	.....	69	39	34	45	52	59	58	59	62	63	55	38	31	39	.....	188.7	370.8	50	39
Dodge City, Kans	P.	.....	50	58	57	63	63	63	66	62	60	60	58	55	42	28	.....	217.7	371.4	59	58
Dubuque, Iowa	T.	.....	23	29	31	37	41	38	43	48	49	50	45	40	36	35	.....	150.4	370.8	41	42
Eastport, Me	P.	.....	50	35	38	43	46	48	45	45	50	45	44	37	28	37	.....	156.2	370.7	42	35
Erie, Pa	T.	.....	69	33	37	39	54	64	63	65	67	66	48	39	28	35	.....	187.6	370.8	51	34
Eureka, Cal	P.	.....	0	28	35	38	52	54	49	56	51	50	48	39	21	13	.....	160.1	371.2	43	36
Fresno, Cal	T.	.....	55	39	40	64	74	74	73	72	71	71	68	63	49	48	.....	233.3	371.7	63	66
Galveston, Tex	P.	.....	29	26	26	30	35	45	46	42	38	34	40	39	23	31	.....	131.6	372.6	35	35
Helena, Mont	P.	.....	31	35	35	51	62	54	55	50	59	52	46	37	32	35	.....	175.9	370.3	48	43
Idaho Falls, Idaho	T.	.....	21	23	25	31	39	59	68	64	61	48	37	24	20	13	.....	153.9	370.9	41	40
Indianapolis, Ind	T.	.....	43	36	37	46	57	62	63	62	60	62	54	41	34	43	.....	190.6	371.2	51	36
Kansas City, Mo	P.	.....	43	34	29	44	43	42	47	44	47	52	53	44	40	52	.....	161.3	371.4	43	43
Little Rock, Ark	T.	.....	50	38	40	48	51	55	55	57	59	64	58	53	47	60	.....	194.7	372.1	52	41
Los Angeles, Cal	P.	.....	60	54	63	74	81	78	68	75	77	78	76	66	50	55	.....	260.8	372.3	70	57
Louisville, Ky	T.	.....	50	44	43	44	48	56	55	61	58	55	46	31	28	33	.....	176.3	371.4	47	32
Minneapolis, Minn	T.	.....	25	24	25	32	46	53	55	53	54	48	36	26	19	29	.....	145.8	370.7	39	.....
Nashville, Tenn	T.	.....	36	28	30	35	44	62	68	72	72	60	47	41	39	49	.....	186.5	371.9	50	38
New Orleans, La	T.	.....	25	15	16	16	22	25	30	35	42	34	29	22	23	34	.....	96.8	372.5	26	26
New York, N. Y	T.	.....	33	39	47	51	58	63	60	61	60	62	51	41	33	48	.....	195.5	371.2	53	42
Northfield, Vt	P.	.....	47	39	40	46	50	47	43	46	46	44	44	38	31	23	.....	158.5	370.7	43	32
Omaha, Nebr	P.	.....	33	31	26	31	35	40	40	42	49	50	51	50	55	57	.....	155.6	371.2	42	32
Philadelphia, Pa	T.	.....	92	53	47	55	54	69	68	69	67	62	63	57	44	43	.....	218.9	371.2	59	41
Phœnix, Ariz	P.	.....	78	66	70	80	83	86	84	85	85	90	89	86	85	80	.....	307.7	372.3	83	77
Pittsburg, Pa.*	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34
Portland, Me	T.	.....	47	40	48	59	68	76	74	71	69	64	53	37	34	40	.....	213.7	370.7	58	43
Portland, Oreg	T.	.....	0	3	7	10	25	46	42	40	47	33	31	25	14	12	.....	100.4	370.3	27	31
Do	P.	.....	0	3	8	11	26	33	31	33	36	30	32	27	14	12	.....	87.9	370.3	24	31
Raleigh, N. C	T.	.....	45	24	29	39	45	58	65	70	62	60	52	43	23	26	.....	177.0	371.9	48	36
Rochester, N. Y	T.	.....	64	36	32	33	39	42	45	59	58	54	45	46	40	45	.....	164.2	370.9	44	42
St. Louis, Mo	T.	.....	17	14	19	32	41	54	62	65	64	61	55	48	39	26	.....	172.0	371.4	46	32
St. Paul, Minn	P.	.....	44	31	31	39	47	40	28	38	42	44	47	39	33	31	.....	141.8	370.7	38	37
Salt Lake City, Utah	P.	.....	17	20	27	37	49	53	61	50	59	58	52	50	35	26	.....	170.3	371.2	46	20
San Diego, Cal	P.	.....	56	45	50	67	74	82	79	73	81	76	69	60	58	68	.....	253.7	372.3	68	57
San Francisco, Cal	T.	.....	42	42	48	58	66	70	75	74	77	76	72	63	30	20	.....	231.0	371.4	62	54
Santa Fe, N. Mex	P.	.....	36	62	75	78	83	80	83	82	83	77	78	73	51	30	.....	278.7	371.9	75	63
Savannah, Ga	P.	.....	33	21	34	47	46	47	45	42	46	39	41	40	33	35	.....	149.5	372.1	40	36
Seattle, Wash	T.	.....	17	16	26	33	48	59	73	71	68	57	42	44	20	8	.....	171.3	370.1	46	36
Spokane, Wash	P.	.....	0	18	28	39	48	60	62	62	59	59	57	37	24	20	.....	171.1	370.1	46	34
Tampa, Fla	T.	.....	33	46	44	51	74	80	84	80	82	75	63	42	55	46	.....	239.6	372.8	64	59
Vicksburg, Miss	T.	.....	78	33	34	46	57	69	74	73	66	65	54	45	30	39	.....	201.1	372.1	54	54
Washington, D. C	P.	.....	67	41	39	51	61	62	62	60	61	67	65	59	58	61	.....	213.6	371.4	58	49
Wilmington, N. C	T.	.....	50	30	35	48	60	64	70	71	63	57	52	40	24	30	.....	190.7	372.3	51	47

* Record incomplete.

TABLE XI.—*Accumulated amounts of precipitation for each 5 minutes, for storms in which the rate of fall equaled or exceeded 0.25 in any 5 minutes, or 0.75 in 1 hour during March, 1897, at all stations furnished with self-registering gauges.*

Station.	Date.	Total duration.		Total am't of precipitation.	Excessive rate.		Amount before excessive began.	Depths of precipitation (in inches) during periods of time as 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														
Atlanta, Ga	5-6	11.10 p.m.	10.15 a.m.	1.86	7.11 a.m.	7.50 a.m.	0.94	0.18	0.31	0.36	0.41	0.51	0.55	0.59	0.66	0.68					
Baltimore, Md	19-20			0.19														0.15			
Bismarck, N. Dak.†																					
Boston, Mass	24			1.14														0.22			
Buffalo, N. Y	20	5.25 a.m.	5.28 a.m.	0.79	5.25 a.m.	5.28 a.m.	0.00	0.79													
Chicago, Ill.*																					
Cincinnati, Ohio	4-5	7.15 p.m.	1.05 p.m.	4.97	1.55 a.m.	‡	0.84	0.05	0.10	0.15	0.19	0.22	0.25	0.29	0.33	0.36	0.39	0.42	0.54	0.67	0.76
	9	7.50 p.m.	9.30 p.m.	0.83	8.05 p.m.	8.35 p.m.	0.15	0.10	0.20	0.34	0.40	0.50	0.55								
Cleveland, Ohio†																					
Denver, Colo.†																					
Des Moines, Iowa	31			0.57														0.36			
Detroit, Mich	9			0.94														0.27			
Dodge City, Kans	22			0.08																	
Duluth, Minn.†																					
Eastport, Me	12			0.50														0.30			
Galveston, Tex	5	1.32 p.m.	8.37 p.m.	1.98	6.55 p.m.	7.03 p.m.	1.33	0.15	0.23	0.31	0.35	0.40	0.46	0.54	0.58	0.61	0.66	0.71	0.81	1.01	1.10
Hatteras, N. C	16			0.70														0.20			
Indianapolis, Ind.*	4-5	4.05 p.m.	9.45 a.m.	3.23														0.50§			
Jacksonville, Fla	23			1.42														0.65			
Jupiter, Fla	2-3	6.00 p.m.	8.50 a.m.	3.30	6.07 a.m.	‡	0.73	0.21	0.31	0.43	0.52	0.70	0.73	0.75	0.75	0.76	0.80	1.04	1.50§	1.94§	2.37
Kansas City, Mo.*																					
Key West, Fla	25			0.28														0.22			
Louisville, Ky.*																					
Los Angeles, Cal	2-3			0.81														0.22			
Memphis, Tenn	2-3			0.55														0.48			
Milwaukee, Wis.†																					
Montgomery, Ala	5-6	8.05 p.m.	10.15 a.m.	4.81	5.42 a.m.	6.22 a.m.	2.53	0.04	0.09	0.13	0.17	0.36	0.66	1.11	1.31	1.54	1.67	2.01	2.18		
Do	12	2.00 p.m.	6.10 p.m.	1.72	3.03 p.m.	3.57 p.m.	0.01	0.16	0.21	0.46	0.53	0.60	0.71	0.76	0.87	0.90	0.94	1.29			
Do	12	8.50 p.m.	11.57 p.m.	1.14	10.00 p.m.	10.15 p.m.	0.11	0.19	0.73	1.01											
Nantucket, Mass	24			0.55														0.18			
Nashville, Tenn	31	5.15 p.m.	8.45 p.m.	1.24	7.00 p.m.	7.40 p.m.	0.30	0.06	0.14	0.16	0.22	0.40	0.65	0.74	0.80	0.82	0.84	0.87			
New Orleans, La	21	3.30 p.m.	7.55 p.m.	0.98	4.48 p.m.	5.33 p.m.	0.01	0.06	0.21	0.31	0.51	0.64	0.69	0.76	0.81	0.85	0.88				
New York, N. Y	19-20			0.63														0.19			
Norfolk, Va	12			1.33														0.68			
Omaha, Nebr	18			0.36														0.34			
Philadelphia, Pa	24			0.20														0.19			
Pittsburg, Pa.*																					
Portland, Me	12			0.54														0.33			
Portland, Oreg	28			0.51														0.10			
Rochester, N. Y	19-20			0.62														0.20			
St Louis, Mo	4-5	9.26 a.m.	4.30 a.m.	3.33	12.17 a.m.	1.30 a.m.	1.74	0.88	0.93	0.98	0.99	1.00	1.03	1.05	1.06	1.09	1.14	1.23	1.36		
St. Paul, Minn	19			1.05														0.17			
Salt Lake City, Utah	2			0.65														0.22			
San Diego, Cal	17			0.55														0.25			
San Francisco, Cal	27-28			1.38														0.21			
Savannah, Ga	13	11.30 a.m.	1.21 p.m.	0.91	12.27 p.m.	12.47 p.m.	0.30	0.38	0.44	0.51	0.58										
Seattle, Wash	28			0.75														0.30			
Tampa, Fla	3			0.40														0.30			
Vicksburg, Miss	5-6	4.45 p.m.	10.15 a.m.	2.03	6.07 p.m.	6.48 p.m.	0.10	0.05	0.20	0.29	0.40	0.42	0.44	0.45	0.49	0.70	0.80	0.85			
Washington, D. C	19-20			0.55														0.15			
Wilmington, N. C	12			0.13														0.11			

* Self register out of order. † No record on account of snow. ‡ Gauge overflowed. § Estimated.

TABLE XII.—*Excessive precipitation, by stations, for March*, 1897.

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		
		Amt.	Day.	Amt.	Time.	Day.
	Inches.	*Inches.*		*Ins.*	*h.m.*	
Alabama.						
Bermuda		2.80	22			
Bridgeport	13.17	3.21	11-12			
Citronelle		2.58	22-23			
Claiborne		4.50	22-23			
Cordova	10.27	2.97	5-6			
Dapline	10.03	2.95	31			
Decatur	15.81	2.56	11-12			
Do		4.45	18-19			
Demopolis		4.08	4-5			
Elba	11.03	5.00	22			
Eufaula	11.29	9.84	21-23			
Evergreen		6.45	21-23			
Florence	16.15	5.15	18			
Fort Deposit		3.05	23			
Gadsden		2.57	5-6			
Greensboro		3.05	4-5			
Hamilton	15.48	2.89	5-6			
Do		3.28	10-11			
Jasper	14.35	5.20	5-6			
Do		2.80	12			
Madison Station	13.68	3.06	11-12			
Marion		3.28	5-6			
Mobile		2.91	30-31	1.55	0 30	30
Montgomery	12.02	4.82	5-6	2.02	1 00	6
Do		2.97	12-13	1.32	1 00	12
Mount Willing	12.17	3.03	6			
Do		2.78	22			
Newbern		3.50	5			
Newburg	20.83	3.56	18			
Newton	14.51	10.29	22			
Oneonto	10.23					
Oxanna		2.54	12-13			
Pushmataha		4.00	5			
Do		2.89	12			
Rockmills		2.92	5-6			
Selma	13.43	8.06	5-6			
Scottsboro	13.47	3.10	4-5			
Do		3.45	12			
Tallassee	11.25	3.75	5-6			
Thomasville	12.33	4.15	4-5			
Do		3.00	19	3.00	2 00	19
Union Springs	12.94	7.95	21-23			
Uniontown		4.35	5			
Valleyhead	13.73	3.60	5			
Do		3.05	11			
Warrior		3.10	5-6			
Do		3.00	12-13			
Wetumpka	14.02	6.94	5-6			
Arkansas.						
Amity	12.09	4.91	17-18			
Beebranch		2.55	17			
Blackton	16.90	9.25	17-18			
Blanchard Springs	10.72	3.34	15-16			
Brinkley	13.05					
Dallas	11.29	2.75	17			
Elon		2.69	15			
Forrest	13.78	5.98	17-18			
Helena	13.86	3.65	18-19			
Hot Springs	12.58	5.58	17-18			
Hot Springs (near)	13.31	2.75	5			
Do		5.37	17-18			
Little Rock	10.43					
Lonoke	12.18	3.50	17	2.00	2 00	17
Luna Landing		2.85	15			
Malvern	10.28	3.73	11			
Marvell	12.76	3.56	17-18			
Moore	17.04	4.50	17			
Mossville	12.68	2.79	18-19			
Mount Nebo		3.50	16-17			
Pinebluff	11.33	2.90	10-11			
Wiggs	14.65	5.71	17-18			
Witts Springs		2.57	17			
California.						
Azusa		4.32	6-7			
Bear Valley	19.12	3.20	6			
Bowmans Dam	18.94	3.56	6			
Crescent City	12.87					
Edmanton	12.07					
Fordyce Dam	12.55					
Fort Ross	10.95	3.50	27			
Georgetown	13.65	2.68	5-6			
Do		3.30	27-28			
Iowa Hill	11.33					
Laporte	13.51					
Malakoff Mine	11.15					
Middletown		3.00	27			
Mills College		2.83	27-28			
Pilot Creek	15.20	3.71	28			
Shasta		4.35	27			
Summerdale	11.35	2.55	6			
Upper Mattole	13.29	3.10	27-28			
Florida.						
Jupiter		3.30	2-3	2.33	1 55	3
Lake Butler		2.50	23			
Quincy		2.67	6			
Tallahassee		2.69	19			
Do		4.37	22-23			
Georgia.						
Albany	11.51	9.35	21-23			
Allentown				1.03	1 00	31

TABLE XII.—*Excessive precipitation*—Continued.

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		
		Amt.	Day.	Amt.	Time.	Day.
	Inches.	*Inches.*		*Ins.*	*h.m.*	
***Georgia*—Continued.**						
Americus	11.57	3.86	21-23			
Blakely	12.62	10.54	21-22			
Brag		3.96	22-23			
Cedartown		2.07	6			
Dahlonega		2.60	6			
Diamond		3.24	11-12			
Dublin		2.96	22-23			
Fort Gaines	12.70	11.26	22-23			
Hawkinsville		5.50	22-23			
Louisville	10.77	5.31	13			
Macon	10.58	3.03	12-13			
Marshallville	10.06	5.30	21-22			
Milledgeville	10.63	3.25	12-13			
Monticello		5.00	11			
Morgan	13.31	11.52	21-22			
Piscola		2.90	23			
Poulan		6.03	21-22			
Resaca	10.00	2.68	5-6			
Do		2.90	11-12			
Rome		4.50	11-12			
Talbotton	12.99	3.24	13			
Illinois.						
Albion	10.19					
Carlinville		2.88	4-5			
Carlyle		5.10	4-5			
Cisne	12.00	4.10	4-5			
Duquoin	10.70					
Friendgrove	10.67	3.33	4-5			
Golconda	11.44	3.16	9			
Grafton		2.50	4-5			
Halliday	11.98	2.77	18			
Herrin	11.43	2.60	17			
Jordans Grove	10.51	2.74	4-5			
Louisville		4.65	4-5			
Martinsville		3.94	4-5			
Mascoutah		3.90	4-5			
Mount Carmel	10.22	3.70	4-5			
Do		3.20	18-19			
Mount Vernon	10.18					
New Burnside	10.97					
Olney	11.77	5.63	4-5			
Palestine	11.02	5.25	4-5			
Robinson	11.33	5.97	4-5			
Rose Hill	10.40	4.85	4-5			
St. John	11.55					
Indiana.						
Anderson		2.50	4-5			
Bloomington	10.63	5.89	4-5			
Bright		4.90	4-5			
Butlerville	13.03	6.96	4-5			
Cambridge City		3.69	4-5			
Columbus		5.68	4-5			
Connersville		3.19	4-5			
Evansville	10.96					
Greencastle		3.79	4-5			
Greensburg		4.65	4-5			
Indianapolis		2.23	4-5			
Knightstown		3.50	4-5			
Laconia		3.00	2-3			
Manzy		3.12	3-4			
Rushville		3.35	4-5			
Seymour	12.95	7.00	4-5			
Terre Haute		3.25	4-5			
Vevay		2.50	4-5			
Vincennes	13.22	4.32	4-5			
Worthington	10.68	5.50	4-5			
Indian Territory.						
Kemp		3.47	28			
Iowa.						
Afton		3.96	31			
Alta		2.70	31			
Atlantic		2.53	31			
Audubon		2.78	31			
Galva		2.53	31			
Gardengrove		3.76	31			
Greenfield		3.24	31			
Hopeville		2.64	31			
Larrabee		3.01	31			
Maple Valley		3.12	31			
Osceola		2.65	31			
Stuart		4.00	31			
Kentucky.						
Earlington	12.57					
Ensor	10.75					
Fords Ferry	10.82	3.20	8-9			
Henderson	11.64					
Leitchfield		3.30	9			
Marrowbone		2.86	9-10			
Paducah		2.73	9			
Princeton	10.60	2.66	8-9			
Russellville		2.62	23			
Southfork		3.55	18			
Louisiana.						
Donaldsonville		3.10	8			
Farmerville		2.96	14-15			
Lafayette				1.08	0 30	22
Do				1.01	0 20	30
Paincourtville		3.19	7			
Sugar Experiment Station		3.50	31			
Thibodeaux		2.78	31			

TABLE XII.—*Excessive precipitation*—Continued.

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		
		Amt.	Day.	Amt.	Time.	Day.
Louisiana—Continue	*Inches.*	*Inches.*		*Ins.*	*h.m.*	
Wallace		2.55	7			
Mississippi.						
Agricultural College		2.75	5			
Austin	11.19	6.24	18-19			
Batesville	12.02	3.20	16			
Biloxi	12.64	4.48	31	1.03	1 00	29
Briers	12.68	8.17	5			
Fayette		4.60	5			
Fulton	19.12	2.52	12			
Do		3.54	18			
Greenville *a*	11.37	3.80	15-16			
Greenville *b*	11.48	4.02	15-16			
Holly Springs	16.35	3.29	18			
Logtown	15.84	3.40	21	3.40	2 00	21
Do		8.37	31			
Magnolia				1.49	1 00	22
Mosspoint	15.35	3.00	6			
Do		7.35	31			
Natchez		3.75	6			
Palo Alto	11.46					
Pontotoc	16.73	2.80	11			
Do		4.57	18			
Water Valley	15.50	2.50	18	1.00	0 17	19
Missouri.						
Akron		2.95	31			
Bethany		2.53	31			
Birchtree	11.69					
Darksville		3.50	31			
Edgehill	10.37					
Fayette		2.73	31	1.10	0 30	31
Gordonville	15.23	3.65	9			
Do		2.65	31			
Grovedale		4.10	4			
Hastain		3.25	3			
Hermann		2.90	4-5			
Houston	10.88	2.64	31			
Irena		3.01	31			
Ironton	10.18					
Lebanon	10.04	2.50	4			
Marble Hill	12.63					
Mexico		2.65	31			
Mine La Motte	10.42					
Montreal	10.94	3.90	31	2.50	2 00	31
Mount Vernon		3.43	4			
Neosho		2.66	4-5			
New Haven		2.50	4			
New Madrid	14.52					
Oakfield		3.65	4-5			
Oak Ridge	12.71					
Palmyra		2.71	31			
Phillipsburg		2.70	4-5			
Poplar Bluff	11.25					
Potosi		2.50	18			
Princeton		3.20	31			
St. Charles	10.67	2.68	4			
Do		3.81	31			
St. Louis		3.33	4-5	1.23	1 00	5
Sarcoxie		2.80	5			
Sikeston	10.02					
Sublett		2.75	31			
Wafrenton		2.92	4			
Willow Springs	11.59	2.62	31			
Nebraska.						
Beatrice		2.60	31			
North Carolina.						
Bryson City	11.93	2.55	5-6			
Horse Cove		2.50	14			
Murphy	11.98	2.65	5-6			
Skyuka	10.78					
Ohio.						
Bellefontaine		2.68	4-5			
Bethany		3.75	5			
Bloomingburg		3.40	4-5			
Camp Dennison		5.10	4-5			
Cedarville		3.70	4-5			
Cincinnati		4.97	4-5			
Circleville		2.70	5			
Clarksville		3.80	4-5			
Clifton		3.33	5			
Columbus		2.87	4-5			
Dayton		3.28	5			
Frankfort		3.25	5			
Granville		2.60	5			
Greenfield		3.00	5			
Greenville		3.11	5			
Jacksonboro		3.75	3-4			
New Bremen		3.50	5			
New Holland		3.36	5			
North Lewisburg		2.50	5			
Ohio State University		3.19	5			
Pataskala		2.90	5			
Plattsburg		3.28	5			
Rosewood		3.36	5			
Spencerville		2.50	4-5			
Springboro		3.15	5			
Walnut		2.56	5			
Waynesville		3.60	5			
Oklahoma.						
Ponca				1.25	1 30	30

TABLE XII.—*Excessive precipitation*—Continued.

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		
		Amt.	Day.	Amt.	Time.	Day.
Oregon.	*Inches.*	*Inches.*		*Ins.*	*h.m.*	
Astoria	11.88					
Bay City	13.18					
Cascade Locks	11.47					
Gardiner	14.23					
Glenora	22.77	3.15	25			
Government Camp	16.37					
Langlois	19.14					
Nehalem	18.29	2.69	23			
Newport	10.12					
South Carolina.						
Blackville		3.36	13			
Edisto		3.58	12-13			
Gillisonville		2.81	12-13			
Pinopolis		3.04	12-13			
Port Royal		3.17	12-13			
Trial		2.65	12-13			
South Dakota.						
Aberdeen		3.00	11-12			
Do		2.60	31			
Wessington Springs		3.00	31			
Tennessee.						
Andersonville	11.37					
Ashwood	12.68	2.85	18-19			
Benton	13.98					
Bolivar	12.45	4.55	18-19			
Cagle	13.05	2.65	18-19			
Charleston	11.97					
Charlotte	10.63					
Chattanooga	11.23					
Clinton	11.62					
Decatur	11.97					
Dyersburg	10.75					
Erasmus	12.27					
Fairmont	14.06					
Florence	10.53					
Franklin	11.36	4.69	18-19			
Greenville	10.52					
Harriman	12.15	2.76	18-19			
Hickory Withe	12.12					
Hohenwald	16.43	3.56	18-19			
Jackson	11.75					
Kingston	10.59					
Loudon	11.50					
Lynnville	14.27	2.94	18-19			
McMinnville	16.90	2.75	5			
Molino	14.36	4.79	18-19			
Newport	10.18					
Nunnelly	13.63	2.72	18-19			
Palmetto	12.38	3.09	18-19			
Pope	15.60	5.05	5			
Do		4.48	8-9			
Riddleton	10.92	3.07	18-19			
Rogersville	10.52					
Rugby	10.41					
St. Joseph	18.14	7.93	17-19			
Savannah	12.60	2.56	18			
Sewanee	16.79	3.60	18-19			
Springdale		2.65	8-9			
Strawberry Plains	10.40					
Tellico Plains	11.22					
Tullahoma	16.85	4.10	13-14			
Do		2.85	19			
Waynesboro	12.99	3.00	18-19			
Texas.						
Abilene				1.04	0 30	16
Colmesneil		2.76	28			
Corsicana		2.90	29			
Corpus Christi				1.00	0 30	28
Dublin		3.00	28			
Estelle		3.40	28			
Forestburg		2.60	28			
Fort Worth		2.65	28			
Gainesville		3.75	28-29			
Golindo		3.25	28			
Grapevine		2.75	28			
Hewitt		2.60	28			
Longview	10.31	3.06	27-28			
Mann		3.13	28			
Marshall		3.00	28-29			
New Braunfels				1.04	1 00	18
Palestine		3.27	28-29	1.54	1 00	28
Panther		2.96	27-28			
Point Isabel				1.00	1 00	28
Rhineland		2.87	28			
Sulphur Springs	10.15	2.55	28			
Temple		2.63	28			
Virginia.						
Marion		2.60	18-19			
Washington.						
Aberdeen	10.61					
Cascade Tunnel	16.90	3.00	24			
Lapush	12.32	2.80	23			
Stampede	12.65					
Tatoosh Island	11.31					
Wyoming.						
Laramie		3.75	29-30			

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