Temperature and precipitation by sections, April, 1914.

Section.	Temperature (°F.).								Precipitation (inches and hundredths).					
	Section average.	Departure from the normal.	Monthly extremes.						Section average.	Departure from the normal.	Greatest monthly.		Least monthly.	
			Station.	Highest.	Date.	Station.	Lowest.	Date.			Station.	Amount.	Station.	Amount.
Alabama	63.8	+0.8	3 stations	91	17†	Cordova	25	10	3.84	−0.15	Talladega	6.40	Alaga	0.36
Arizona	61.0	+1.7	Maricopa	103	20	Alpine	16	18	0.20	−0.29	Whitehills	1.38	29 stations	0.00
Arkansas	61.0	0.0	Centerpoint	94	16	Dutton	19	9	4.57	+0.15	Hot Springs	11.29	Bentonville	1.99
California	56.6	−0.4	2 stations	105	15†	Summit	15	28	2.14	+0.35	Crescent City	9.85	6 stations	0.00
Colorado	44.3	+0.8	Lamar	95	21	Fraser	− 5	11	2.45	+0.77	Monument	5.80	Manassa	0.54
Florida	71.1	+1.6	Wausau	98	26	Molino	32	10	2.42	−0.49	Fort Lauderdale	10.51	Live Oak	0.13
Georgia	64.9	+1.7	2 stations	97	28†	Ramhurst	27	10	2.70	−0.85	Tallapoosa	6.86	Bainbridge	0.46
Hawaii (for March)	68.2	.....	Mahukona	89	24	Volcano House	45	11	7.53	.....	Waiakamoi	23.12	West Lawai	2.39
Idaho	47.4	+1.3	Guffey	84	19	Pierson	− 2	7	1.73	+0.36	Castle Creek	4.69	Bonners Ferry	T.
Illinois	52.7	+0.7	Quincy	90	26	Dakota	15	8	2.22	−1.18	Decatur	3.85	Walnut	0.65
Indiana	51.9	+0.1	Shoals	95	22	Collegeville	13	9	3.16	−0.20	Mauzy	4.98	Whiting	0.77
Iowa	48.6	−0.1	4 stations	88	16†	Lake Park	11	8	2.52	−0.34	Jefferson	5.03	Centerville	0.37
Kansas	57.4	+0.2	Farnsworth	99	21	Leoti	9	8	1.76	−0.79	Columbus	4.03	Hutchinson	0.10
Kentucky	55.7	−0.2	Beattyville	91	28	Beattyville	13	10	3.62	−0.45	Middlesboro	6.23	Williamstown	1.83
Louisiana	66.8	−0.6	Laark	99	16†	7 stations	32	9†	6.10	+1.80	Merryville	19.42	Paradis	2.55
Maryland and Del.	51.6	−0.5	Cumberland	89	18	Deer Park	15	6	3.82	+0.47	State Sanatorium	6.48	Solomons	1.87
Michigan	41.4	−0.9	Midland	89	18	Watersmeet	− 5	8	2.92	+0.65	Whitefish Point	8.03	Port Austin	0.29
Minnesota	41.2	−1.5	Tracy	91	17	2 stations	2	5†	2.41	−0.47	Caledonia	4.66	Roseau	0.08
Mississippi	64.0	−0.4	Tchula	91	27	.....do	27	10	4.67	+0.17	McNeill	8.67	Hernando	2.64
Missouri	55.2	+0.1	Steffenville	91	26	Goodland	18	9	3.14	−0.74	Birchtree	7.58	Caruthersville	0.81
Montana	43.6	+2.0	Busby	85	15	2 stations	2	1†	1.13	−0.01	Flathead Creek	3.23	Chester	0.00
Nebraska	49.5	+0.4	2 stations	95	9†	Hillside	1	8	2.47	+0.07	Lodgepole	5.94	Nelson	0.63
Nevada	49.2	+0.3	Las Vegas	102	19	Geyser	5	3	1.23	+0.32	Eureka	3.57	Battle Mountain	T.
New England	40.8	−2.3	2 stations	88	19†	2 stations	− 3	4†	4.66	+1.72	Benton, N. H.	11.18	Houlton, Me.	1.27
New Jersey	48.4	−0.7	Moorestown	89	19	Culvers Lake	15	4	3.67	+0.18	Charlotteburg	4.78	Lambertville	2.35
New Mexico	51.9	+0.4	2 stations	93	15†	Elizabethtown	7	8	1.53	+0.31	Clayton	7.04	15 stations	0.00
New York	41.4	−2.5	3 stations	86	19	Lake Placid Club	− 1	4	4.60	+1.75	Greenfield Center	7.75	New York	2.67
North Carolina	58.5	+1.2	Montrose	97	29	Banner's Elk	17	10	3.68	−0.14	Highlands	7.53	Montrose	1.50
North Dakota	40.9	−0.5	Turtle Lake	84	26	Dunseith	2	7	1.66	+0.39	Power	4.10	2 stations	0.20
Ohio	50.1	+0.4	2 stations	91	28	Columbiana	12	9	4.01	+1.08	Hudson	6.83	Circleville	2.42
Oklahoma	59.4	−0.6	Frederick	97	16	Hooker	14	8	2.54	−0.52	Idabel	6.62	Hurley	0.80
Oregon	50.0	+1.6	Grants Pass	84	18	Crescent	12	28	2.71	+0.44	Waldo Lake	10.02	Bear Valley	0.33
Pennsylvania	47.3	−0.9	2 stations	93	18†	Pocono Pines	5	6	4.66	+1.47	Somerset	7.50	Lloyd	1.90
Porto Rico	75.2	0.0	.....do	93	11†	Maricao	52	11	4.41	−0.53	Inabon Falls	12.25	Isidora	0.24
South Carolina	63.7	−1.4	.....do	98	26	2 stations	30	10	2.86	−0.01	Clemson College	5.58	Winnsboro	0.65
South Dakota	45.6	−0.1	La Delle	90	17	.....do	2	8	2.69	+0.81	Dumont	6.14	Pollock	0.61
Tennessee	59.0	+0.9	Johnson City	94	28	.....do	18	10	4.11	−0.40	London	7.45	Byrdstown	2.29
Texas	64.8	−1.4	Seymour	101	16	Claytonville	18	9	4.28	+1.45	Angleton	15.16	Barstow	0.00
Utah	49.1	+1.3	St. George	91	20	Cisco	14	20	1.94	+0.44	Farmington	4.80	Thompsons	T.
Virginia	54.3	+0.5	Petersburg	95	29	Burkes Garden	14	10	2.61	−0.79	Winchester	5.04	Ashland	1.03
Washington	50.4	+2.1	2 stations	85	11	Antoine	16	1	2.49	+0.40	Forks	8.73	Eltopia	0.00
West Virginia	52.1	+0.7	Spencer	93	28	3 stations	16	6†	4.63	+0.83	Pickens	10.05	Bluefield	1.29
Wisconsin	42.1	−1.4	Muscoda	84	26	Vudosare	− 4	6	2.82	−0.09	Glen Flora	5.04	Beloit	1.10
Wyoming	40.2	+0.4	Wheatland	84	15	2 stations	− 8	1†	2.37	+0.96	Dome Lake	6.90	Daniel	0.20

† Other dates also.

DESCRIPTION OF TABLES AND CHARTS.

Table I gives the data ordinarily needed for climatological studies for about 158 Weather Bureau stations making simultaneous observations at 8 a. m. and 8 p. m., seventy-fifth meridian time daily, and for about 41 others making only one observation. The altitudes of the instruments above ground are also given.

Table II gives a record of precipitation the intensity of which at some period of the storm's continuance equaled or exceeded the following rates:

Duration (minutes)	5	10	15	20	25	30	35	40	45	50	60
Rates per hour (inches)	3.00	1.80	1.40	1.20	1.08	1.00	0.94	0.90	0.87	0.84	0.80

In cases where no storm of sufficient intensity to entitle it to a place in the full table has occurred, the greatest precipitation of any single storm has been given, also the greatest hourly fall during that storm.

Table III gives, for about 30 stations of the Canadian Meteorological Service, the means of pressure and temperature, total precipitation and depth of snowfall, and the respective departures from normal values, except in the case of snowfall.

Chart I.—Hydrographs for several of the principal rivers of the United States.

Chart II.—Tracks of centers of high areas; and

Chart III.—Tracks of centers of low areas. The roman numerals show the chronological order of the centers. The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the observations at 8 a. m. and 8 p. m., seventy-fifth meridian time. Within each circle is also given (Chart II) the last three figures of the highest barometric reading and (Chart III) the lowest reading reported at or near the center at that time, and in both cases as reduced to sea level and standard gravity.

Chart IV.—Total precipitation. The scale of shades showing the depth is given on the chart. Where the monthly amounts are too small to justify shading, and over sections of the country where stations are too widely separated or the topography is too diversified to warrant reasonable accuracy in shading, the actual depths are given for a limited number of representative stations. Amounts less than 0.005 inch are indicated by the letter T, and no precipitation by 0.

Chart V.—Percentage of clear sky between sunrise and sunset. The average cloudiness at each Weather Bureau station is determined by numerous personal observations between sunrise and sunset. The difference between the observed cloudiness and 100 is assumed to represent the percentage of clear sky, and the values thus obtained are

the basis of this chart. The chart does not relate to the nighttime.

Chart VI.—Isobars and isotherms at sea level and prevailing wind directions. The pressures have been reduced to sea level and standard gravity by the method described by Prof. Frank H. Bigelow on pages 13–16 of the REVIEW for January, 1902. The pressures have also been reduced to the mean of the 24 hours by the application of a suitable correction to the mean of the 8 a. m. and 8 p. m. readings at stations taking two observations daily, and to the 8 a. m. or the 8 p. m. observations, respectively, at stations taking but a single observation. The diurnal corrections so applied will be found in the Annual Report of the Chief of the Weather Bureau, 1900–1901, volume 2, Table 27, pages 140–164.

The isotherms on the sea-level plane have been constructed by means of the data summarized in chapter 8 of volume 2 of the annual report just mentioned. The correction $t_0 - t$, or temperature on the sea-level plane minus the station temperature as given by Table 48 of that report, is added to the observed surface temperature to obtain the adopted sea-level temperature.

The prevailing wind directions are determined from hourly observations at the great majority of the stations; a few stations having no self-recording wind direction apparatus determine the prevailing direction from the daily or twice-daily observations only.

Chart VII.—Total snowfall. This is based on the reports from regular and cooperative observers and shows the depth in inches and tenths of the snowfall during the month. In general, the depth is shown by lines inclosing areas of equal snowfall, but in special cases figures are also given.

Chart VIII.—Depth of snow on ground at end of the month, expressed in inches and tenths.

Charts VII and VIII are published only when the general snow cover is sufficiently extensive to justify their preparation.

TABLE I.—*Climatological data for United States Weather Bureau stations, April, 1914.*

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.												Precipitation, inches.			Wind.										
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max.+mean min.÷2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 0.01 or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
New England.							**41.4**	**− 2.1**										**75**	**4.25**	**+ 1.2**										**6.0**		
Eastport	76	67	85	29.91	30.00	+ .07	35.6	− 2.7	64	19	43	16	3	28	48	33	29	78	3.93	+ 1.0	12	9,117	s.	44	ne.	2	7	14	9	6.0	11.5	....
Greenville	1,070	6	....	28.82	30.01	.....	31.6	.....	72	19	42	− 3	13	21	34	....	....	....	4.51	.....	11	.....	se.	....	.....	....	....	....	....	....	20.9	....
Portland, Me.	103	82	117	29.90	30.03	+ .07	39.8	− 3.2	77	19	47	22	4	32	30	35	29	69	4.42	+ 1.3	13	8,167	n.	40	nw.	12	11	3	16	6.1	2.5	....
Concord	288	70	79	29.71	30.03	+ .04	40.4	− 3.4	82	19	50	18	14	31	41	....	....	....	3.87	+ 1.1	14	5,385	nw.	34	sw.	11	11	8	11	5.5	2.0	....
Burlington	404	11	48	29.58	30.03	+ .04	38.2	− 0.3	80	19	47	16	13	30	31	....	....	....	4.27	+ 2.4	12	8,635	n.	46	nw.	12	4	11	15	6.9	5.5	....
Northfield	876	12	60	29.07	30.04	+ .05	35.4	− 4.8	78	19	45	10	6	25	42	33	29	79	5.05	+ 3.0	15	6,147	s.	36	sw.	11	5	10	15	7.0	12.0	....
Boston	125	115	188	29.88	30.02	+ .05	45.3	0.0	87	19	54	27	4	37	31	40	35	73	5.87	+ 2.3	12	8,622	nw.	47	w.	12	12	5	13	5.4	2.0	....
Nantucket	12	14	90	30.00	30.01	+ .04	42.6	− 1.6	60	8	49	29	4	37	20	40	36	82	3.30	+ 0.7	13	13,089	sw.	47	e.	27	12	10	8	5.6	T.	....
Block Island	26	11	46	29.98	30.02	+ .04	42.0	− 1.8	55	18	47	28	4	37	17	40	38	85	3.77	+ 0.2	16	13,541	sw.	58	nw.	12	13	1	16	5.9	T.	....
Narragansett	....	9	....	.....	.....	.....	42.6	− 2.0	60	17	50	23	4	35	27	....	....	....	4.81	.....	16	.....	sw.	....	.....	....	13	4	13	....	T.	....
Providence	160	215	251	29.84	30.02	+ .04	44.5	− 2.1	80	19	54	25	4	35	34	39	33	67	3.94	+ 0.2	14	10,839	nw.	67	nw.	12	12	4	14	5.5	T.	....
Hartford	159	122	140	29.84	30.02	+ .03	44.7	− 2.0	82	19	53	26	4	36	31	39	33	68	3.84	+ 0.3	17	6,582	nw	37	s.	11	9	7	14	6.3	T.	....
New Haven	106	117	155	29.91	30.02	+ .03	45.6	− 0.8	72	19	54	25	4	37	27	41	37	76	3.90	+ 0.3	13	7,976	nw.	39	sw.	2	9	8	13	6.0	T.	....
Middle Atlantic States.							**50.0**	**− 0.5**										**69**	**3.32**	**+ 0.3**										**5.8**		
Albany	97	102	115	29.92	30.03	+ .03	43.8	− 2.0	85	19	53	25	6	35	35	38	33	72	5.78	+ 3.4	17	6,453	s.	37	s.	11	9	9	12	5.9	1.8	....
Binghamton	871	10	69	29.08	30.02	.00	43.2	− 1.2	81	19	52	23	4	34	42	....	....	....	5.70	+ 3.4	17	3,979	nw.	27	nw.	12	3	12	15	7.2	3.9	....
New York	314	414	454	29.68	30.03	+ .03	46.6	− 1.5	78	19	54	26	4	39	25	41	34	64	2.67	− 0.6	12	13,957	nw.	68	nw.	22	7	7	16	6.6	T.	....
Harrisburg	374	94	104	29.65	30.05	+ .03	49.5	− 1.2	80	19	59	28	4	40	34	42	35	62	4.52	+ 2.0	12	5,846	nw.	36	sw.	19	6	13	11	6.4	T.	....
Philadelphia	117	123	184	29.92	30.05	+ .04	51.0	+ 0.2	81	19	60	30	4	42	32	45	40	71	3.43	+ 0.5	8	8,574	nw.	35	ne.	15	8	8	14	6.0	.....	....
Reading	325	81	98	29.69	30.04	.....	49.1	.....	83	19	58	27	4	40	33	43	36	64	3.83	.....	13	6,200	nw.	38	e.	15	7	7	16	6.4	.....	....
Scranton	805	111	119	29.17	30.04	+ .03	46.2	− 0.9	82	19	55	24	6	37	38	42	38	76	3.89	+ 1.2	16	5,840	s.	34	w.	12	5	12	13	6.6	0.5	....
Atlantic City	52	37	48	29.99	30.05	+ .05	47.0	− 0.6	66	17	53	27	4	41	28	42	38	74	2.96	0.0	8	6,767	nw.	30	s.	8	11	3	16	6.2	.....	....
Cape May	17	13	49	30.04	30.06	+ .07	48.5	+ 0.1	69	22	55	28	4	42	23	44	40	78	2.95	0.0	11	7,420	nw.	40	e.	15	11	9	10	5.4	.....	....
Trenton	190	159	183	29.82	30.02	.....	48.5	.....	80	19	58	27	4	39	29	43	36	67	2.57	− 0.7	9	9,463	nw.	50	w.	2	9	8	13	5.7	.....	....
Baltimore	123	100	113	29.92	30.05	+ .04	53.0	0.0	85	29	62	31	4	44	38	46	39	63	4.55	+ 1.3	9	5,660	se.	28	e.	15	10	10	10	5.4	.....	....
Washington	112	62	85	29.92	30.04	+ .02	53.5	+ 0.4	86	22	64	28	6	43	43	46	39	63	3.20	0.0	9	6,736	nw.	36	nw.	8	10	11	9	5.5	.....	....
Lynchburg	681	83	88	29.29	30.04	+ .02	56.7	+ 1.1	88	27	68	28	10	45	41	49	43	64	1.70	− 1.5	7	6,602	nw.	32	nw.	2	12	14	4	4.7	.....	....
Mount Weather	1,725	10	75	28.18	30.02	.00	47.9	− 0.5	80	29	57	22	9	39	30	42	38	73	4.07	+ 1.0	9	14,604	nw.	68	nw.	8	5	8	17	7.0	T.	....
Norfolk	91	170	205	29.96	30.06	+ .05	55.8	− 0.2	89	29	65	34	9	47	40	50	45	70	1.88	− 1.9	12	9,979	sw.	42	w.	2	12	6	12	5.0	.....	....
Richmond	144	11	52	29.91	30.06	+ .04	56.0	− 1.2	92	29	68	30	10	44	39	48	43	66	1.28	− 2.2	7	6,562	s.	31	s.	7	12	11	7	4.6	0.2	....
Wytheville	2,293	40	47	27.67	30.05	+ .02	51.5	− 0.5	83	27	64	21	10	39	39	46	43	76	2.00	− 1.7	14	4,502	w.	26	nw.	16	14	11	5	4.0	.....	....
South Atlantic States.							**62.9**	**+ 1.6**										**72**	**2.60**	**− 0.8**										**4.9**		
Asheville	2,255	70	84	27.71	30.06	+ .03	55.0	+ 1.1	83	27	66	27	9	44	38	47	42	66	3.13	− 0.9	11	7,345	nw.	39	e.	14	10	13	7	5.1	.....	....
Charlotte	773	68	76	29.22	30.06	+ .03	60.6	+ 1.4	88	28	71	35	10	50	29	53	48	70	2.99	− 0.4	9	5,726	sw.	26	w.	29	7	12	11	5.8	T.	....
Hatteras	11	12	50	30.05	30.06	+ .05	59.2	+ 1.2	78	30	66	41	9	53	25	54	51	80	4.14	− 0.3	13	9,925	ne.	46	se.	14	14	10	6	4.1	.....	....
Manteo	12	12	46	.....	.....	.....	55.2	.....	76	29	63	27	11	47	....	....	....	....	3.36	− 1.2	9	.....	ne.	....	.....	....	16	7	7	....	.....	....
Raleigh	376	103	110	29.65	30.05	+ .02	59.4	+ 0.4	91	29	70	30	10	49	32	51	44	64	2.45	− 1.0	10	6,460	sw.	31	nw.	20	11	9	10	4.8	.....	....
Wilmington	78	81	91	29.99	30.07	+ .04	62.0	+ 1.6	90	27	71	37	10	53	26	55	51	75	5.12	+ 2.3	9	6,515	w.	32	ne.	14	10	14	6	4.6	.....	....
Charleston	48	11	92	30.01	30.06	+ .03	65.2	+ 1.4	88	27	72	43	10	58	25	59	56	77	2.77	− 0.2	7	8,204	s.	38	ne.	4	14	11	5	3.9	.....	....
Columbia, S. C.	351	41	57	29.68	30.06	+ .03	64.4	+ 1.6	92	28	75	37	10	54	32	55	49	63	1.88	− 1.0	8	5,397	sw.	29	sw.	19	11	15	4	4.5	.....	....
Augusta	180	89	97	29.86	30.06	+ .03	65.4	+ 2.2	90	29	76	40	10	54	33	58	53	71	1.59	− 1.9	7	4,707	se.	30	w.	20	10	9	11	5.6	.....	....
Savannah	65	150	194	29.99	30.06	+ .03	67.4	+ 2.7	89	28	76	43	10	59	25	60	57	78	0.84	− 2.2	6	8,891	s.	40	w.	15	10	11	9	5.2	.....	....
Jacksonville	43	96	129	30.01	30.06	+ .02	70.1	+ 2.5	89	30	79	52	10	61	25	62	59	75	0.30	− 2.4	4	6,311	se.	31	sw.	14	11	11	8	5.1	.....	....
Florida Peninsula.							**73.8**	**+ 1.0**										**77**	**3.23**	**+ 1.3**										**4.6**		
Key West	22	10	64	30.00	30.02	.00	76.5	+ 1.0	85	28	82	67	7	71	15	70	67	76	1.94	+ 0.6	7	7,533	e.	26	e.	18	17	10	3	3.6	.....	....
Miami	25	37	72	30.02	30.05	.....	74.6	+ 0.4	86	15	81	57	16	68	23	68	65	75	5.24	+ 2.6	9	6,396	e.	25	sw.	20	8	9	13	6.3	.....	....
Sand Key	23	39	72	29.98	30.00	− .02	75.0	.....	81	7	78	68	5	73	12	71	69	81	1.46	.....	8	10,147	e.	41	s.	13	17	9	4	4.0	.....	....
Tampa	35	79	96	30.01	30.05	− .01	71.7	+ 1.1	87	27	80	54	11	63	28	65	62	76	2.50	+ 0.6	8	4,853	ne.	21	e.	18	10	11	9	5.1	.....	....
Titusville	44	6	....	30.01	30.06	.....	72.4	+ 1.4	89	28	81	53	16	64	30	....	....	....	2.77	.....	9	.....	se.	....	.....	....	17	7	6	4.2	.....	....
East Gulf States.							**65.3**	**+ 0.7**										**69**	**2.92**	**− 1.2**										**5.1**		
Atlanta	1,174	190	216	28.84	30.07	+ .04	61.8	+ 0.7	85	28	72	33	9	52	38	53	47	63	3.16	− 0.5	6	8,375	nw.	40	nw.	20	12	7	11	5.1	.....	....
Macon	370	78	87	29.65	30.04	+ .01	65.0	+ 1.9	89	28	77	35	10	53	36	56	50	64	0.84	− 2.6	7	4,574	nw.	30	nw.	19	13	10	7	4.6	.....	....
Thomasville	273	8	57	29.75	30.05	+ .02	68.6	+ 1.9	90	28	81	40	10	56	36	59	55	71	1.78	− 1.9	4	3,730	s.	18	s.	8	13	8	9	4.9	.....	....
Pensacola	56	140	182	29.99	30.05	+ .03	67.4	− 0.3	82	2	74	39	10	61	28	61	58	77	1.10	− 2.1	7	8,758	se.	36	se.	11	6	11	13	6.1	.....	....
Anniston	741	9	57	29.28	30.07	+ .04	61.4	+ 1.0	88	17	74	28	10	49	40	....	....	....	4.16	+ 0.5	8	3,949	s.	22	w.	15	10	15	5	4.7	.....	....
Birmingham	700	11	48	29.31	30.07	+ .05	62.8	− 0.7	88	17	73	31	10	52	36	53	46	60	4.46	+ 0.8	10	4,797	s.	26	s.	18	12	11	7	4.4	.....	....
Mobile	57	125	161	29.99	30.05	+ .03	67.8	+ 1.8	84	30	76	39	10	60	26	61	57	76	1.77	− 2.6	10	7,036	n.	30	nw.	8	7	19	4	4.6	.....	....
Montgomery	223	100	112	29.81	30.06	+ .03	65.8	+ 0.6	88	17	77	35	10	55	33	57	51	65	3.19	− 1.1	6	4,686	se.	31	nw.	8	13	13	4	4.2	.....	....
Meridian	375	85	93	29.65	30.05	+ .03	63.9	− 0.2	87	17	75	32	10	53	36	56	51	70	3.18	− 1.9	11	3,495	n.	27	se.	19	7	4	19	6.8	.....	....
Vicksburg	247	62	74	29.78	30.06	+ .06	65.4	+ 0.2	86	17	75	38	10	56	29	57	52	68	3.11	− 2.0	8	4,931	se.	24	se.	18	9	10	11	5.6	.....	....
New Orleans	51	90	121	29.98	30.03	+ .03	68.9	+ 1.0	85	16	77	43	10	61	23	62	58	76	5.34	+ 0.4	8	6,287	se.	33	nw.	18	9	11	10	5.3	.....	....
West Gulf States.							**64.3**	**− 1.4**										**73**	**4.65**	**+ 1.2**										**5.8**		
Shreveport	249	77	93	29.77	30.04	+ .07	64.7	− 1.1	88	16	74	36	9	56	29	57	53	71	3.35	− 1.2	10	5,543	se.	26	s.	17	8	9	13	5.9	.....	....
Bentonville	1,303	11	44	28.64	30.01	+ .05	56.9	0.0	84	16	67	23	9	46	36	....	....	....	1.99	− 1.9	8	4,671	s.	40	s.	17	14	6	10	5.0	.....	....
Fort Smith	457	79	94	29.53	30.01	+ .05	61.6	− 0.1	90	16	72	30	9	52	36	53	47	65	2.57	− 1.3	10	5,950	e.	50	sw.	24	11	6	13	5.8	.....	....
Little Rock	357	139	147	29.67	30.04	+ .06	61.8	− 0.9	89	16	71	31	9	53	35	53	47	64	5.19	+ 0.7	9	6,682	s.	32	nw.	19	7	14	9	5.6	.....	....
Brownsville	57	3	40	.....	.....	.....	71.6	.....	87	27	80	41	10	63	34	....	....	....	1.16	.....	10	.....	s.	....	.....	....	....	....	....	....	.....	....
Corpus Christi	20	69	77	29.96	29.98	+ .03	68.4	− 2.5	89	15	74	41	9	63	30	64	62	85	5.32	+ 3.5	10	10,719	e.	40	se.	26	4	14	12	6.3	.....	....
Dallas	512	109	117	29.46	30.00	.....	62.9	.....	89	16	73	30	9	53	37	....	....	....	5.69	.....	13	7,410	se.	38	w.	18	9	9	12	5.6	T.	....
Fort Worth	670	106	114	29.28	29.99	+ .05	63.2	− 2.1	90	16	74	30	9	53	39	55	50	69	5.99	+ 3.3	9	8,657	s.	40	s.	17	8	10	12	6.1	.....	....
Galveston	54	106	114	29.96	30.02	+ .05	66.7	− 2.0	76	24	71	44	9	62	16	63	61	86	8.54	+ 5.4	10	8,835	s.	38	s.	27	8	12	10	5.8	.....	....
Houston	138	111	121	29.86	30.01	.....	67.9	− 1.7	86	15	76	38	9	60	28	....	....	....	3.26	.....	9	6,556	se.	35	se.	27	7	11	12	6.6	.....	....
Palestine	510	64	72	29.47	30.01	+ .05	64.8	− 1.1	88	15	74	34	9	56	34	57	52	72	3.28	− 0.8	8	5,631	s.	27	se.	26	10	8	12	5.6	.....	....
San Antonio	701	80	91	29.26	29.99	+ .06	66.8	− 2.2	90	15	78	35	9	56	36	59	55	74	5.26	+ 2.3	9	5,047	se.	33	n.	7	13	5	12	5.4	.....	....
Taylor	583	55	63	29.40	30.01	+ .06	64.8	− 1.7	92	15	76	31	9	54	39	....	....	....	5.05	+ 1.1	10	7,855	se.	40	s.	17	9	7	14	5.8	T.	....

TABLE I.—*Climatological data for United States Weather Bureau stations, April, 1914*—Continued.

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air in degrees Fahrenheit.												Precipitation, inches.			Wind.										
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 0.01 or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
Ohio Valley and Tennessee.							**54.5**	**− 0.2**										**68**	**3.62**	**0.0**										**6.3**		
Chattanooga	762	189	213	29.26	30.08	+ .05	60.5	+ 0.5	85	26	71	32	9	50	38	52	45	63	5.31	+ 0.9	12	6,470	n.	41	sw.	18	7	13	10	5.7	....	....
Knoxville	996	93	100	29.00	30.06	+ .03	58.2	+ 0.8	88	28	69	29	9	47	38	50	44	64	4.50	− 0.1	11	4,097	ne.	28	sw.	1	6	11	13	6.4	....	....
Memphis	399	76	97	29.66	30.08	+ .08	61.1	− 0.7	86	17	70	32	9	52	33	53	47	65	2.90	− 1.9	8	6,604	s.	28	n.	7	11	6	13	5.2	....	....
Nashville	546	168	191	29.49	30.08	+ .07	58.6	− 0.5	88	17	69	27	9	49	39	51	45	64	3.83	− 0.5	11	7,264	se.	50	ne.	14	6	13	11	5.9	....	....
Lexington	989	75	102	28.98	30.06	+ .04	53.7	0.0	83	27	63	23	9	44	33	....	....	....	2.23	− 1.1	8	7,335	se.	39	sw.	1	8	9	13	6.1	T.	....
Louisville	525	219	255	29.48	30.07	+ .06	55.7	− 0.5	83	17	65	25	9	47	35	49	43	68	2.13	− 1.9	10	9,182	n.	58	s.	18	6	11	13	6.4	T.	....
Evansville	431	72	82	29.58	30.06	+ .06	55.4	− 1.0	81	27	64	27	9	47	35	49	43	66	2.83	− 0.6	11	6,042	s.	38	sw.	18	4	12	14	6.5	....	....
Indianapolis	822	154	164	29.15	30.05	+ .05	51.9	− 0.5	83	27	61	21	9	43	39	45	39	67	3.21	− 0.3	12	8,115	sw.	48	s.	18	5	6	19	6.9	T.	....
Terre Haute	575	96	129	29.41	30.04	.....	53.4	.....	83	22	62	24	9	45	38	48	44	76	2.80	.....	10	8,309	nw.	42	s.	18	1	16	13	7.2	T.	....
Cincinnati	628	152	160	29.37	30.06	+ .05	53.9	− 0.4	86	27	63	24	9	44	33	47	42	68	3.07	+ 0.1	10	5,242	w.	29	sw.	25	5	9	16	6.9	T.	....
Columbus	824	173	222	29.17	30.05	+ .03	50.7	− 0.3	85	28	60	23	9	41	30	45	41	73	2.48	− 0.4	13	8,862	nw.	48	nw.	1	13	3	14	5.7	0.5	....
Dayton	899	181	216	29.07	30.03	.....	51.4	− 0.3	82	27	60	22	9	42	30	45	40	72	2.87	0.0	12	8,560	sw.	42	sw.	18	10	5	15	6.0	T.	....
Pittsburgh	842	353	410	29.13	30.05	+ .03	49.4	− 1.6	86	28	59	23	9	40	33	43	37	66	3.98	+ 1.1	14	8,996	nw.	61	sw.	19	5	7	18	7.0	3.5	....
Elkins	1,940	41	50	27.99	30.06	+ .03	49.2	+ 0.5	85	28	61	20	10	37	49	43	39	74	6.97	+ 2.7	18	3,278	w.	27	w.	1	7	9	14	6.5	T.	....
Parkersburg	638	77	84	29.41	30.07	+ .04	53.9	+ 0.9	89	28	64	26	10	44	38	46	41	69	4.38	+ 1.5	14	4,948	n.	36	nw.	25	8	8	14	5.9	T.	....
Lower Lake Region.							**43.4**	**− 1.7**										**74**	**3.71**	**+ 1.4**										**6.5**		
Buffalo	767	247	280	29.18	30.03	+ .02	40.2	− 2.1	74	18	48	20	9	33	32	38	34	81	3.24	+ 0.8	19	12,074	w.	58	w.	9	6	6	18	6.9	9.2	....
Canton	448	10	61	29.53	30.02	.....	39.5	− 3.0	77	19	48	16	13	31	30	....	....	....	3.56	+ 1.3	12	9,602	w.	56	sw.	12	12	7	11	5.2	4.6	....
Oswego	335	76	91	29.65	30.02	+ .01	40.4	− 2.8	81	19	47	21	13	34	36	37	32	76	3.98	+ 1.7	16	8,113	s.	32	nw.	12	7	10	13	6.4	5.5	....
Rochester	523	86	102	29.46	30.05	+ .04	42.0	− 1.9	81	19	50	23	9	34	37	37	31	68	3.72	+ 1.3	17	6,629	w.	38	w.	12	7	7	16	6.8	7.2	....
Syracuse	597	97	113	29.39	30.04	+ .03	41.5	− 2.9	81	19	50	21	13	34	38	37	32	72	4.27	+ 2.0	18	8,821	nw.	45	nw.	12	7	7	16	6.6	6.1	....
Erie	714	92	102	29.25	30.03	+ .01	43.0	− 1.7	83	18	51	22	9	35	37	39	35	75	3.59	+ 1.2	18	7,844	w.	36	sw.	11	3	11	16	7.1	7.8	....
Cleveland	762	190	201	29.21	30.04	+ .02	45.4	− 0.6	84	28	53	23	9	38	32	41	36	74	4.28	+ 2.0	17	10,404	w.	42	s.	19	6	10	14	6.7	0.9	....
Sandusky	629	62	70	29.35	30.04	+ .02	46.0	− 1.3	85	18	54	22	9	38	32	41	37	74	3.86	+ 1.3	14	10,133	w.	37	n.	8	6	7	17	6.8	0.3	....
Toledo	628	208	246	29.35	30.04	+ .03	46.6	− 0.7	84	18	55	21	9	38	31	41	36	70	4.18	+ 1.9	13	11,748	sw.	52	sw.	19	9	7	14	6.0	0.2	....
Fort Wayne	856	113	124	29.10	30.04	.....	47.8	− 1.5	83	27	58	19	9	38	39	43	39	75	3.25	.....	9	7,982	sw.	39	sw.	19	5	10	15	6.6	T.	....
Detroit	730	218	258	29.23	30.04	+ .02	44.8	− 0.7	83	28	54	19	9	36	34	40	34	70	2.44	+ 0.1	11	9,327	w.	42	w.	25	10	9	11	6.0	1.8	....
Upper Lake Region.							**39.3**	**− 1.5**										**74**	**3.03**	**+ 0.7**										**6.1**		
Alpena	609	13	92	29.35	30.03	+ .01	36.4	− 1.6	82	18	44	15	9	29	42	33	29	77	1.91	− 0.3	12	9,296	nw.	41	w.	11	5	16	9	6.1	2.7	....
Escanaba	612	54	60	29.34	30.03	+ .01	35.2	− 2.0	55	18	43	11	8	28	24	31	27	76	4.54	+ 2.5	15	7,928	n.	38	ne.	28	9	10	11	5.9	2.1	....
Grand Haven	632	54	92	29.32	30.02	+ .01	42.6	− 1.4	79	27	52	19	8	34	37	38	34	76	2.41	0.0	15	8,881	w.	36	s.	18	11	11	8	4.9	4.8	....
Grand Rapids	707	70	87	29.25	30.03	+ .01	45.6	− 0.6	84	18	56	19	9	36	39	40	34	69	1.97	− 0.5	12	5,685	w.	26	w.	9	5	14	11	6.2	4.5	....
Houghton	684	62	72	29.28	30.03	+ .01	34.7	− 2.2	60	18	43	12	8	26	39	....	....	....	5.24	+ 3.2	19	7,207	se.	45	w.	11	7	10	13	6.1	18.1	T.
Lansing	878	11	62	29.07	30.03	.....	44.7	− 0.9	84	18	55	16	9	34	36	39	34	72	2.90	+ 0.4	14	5,945	se.	28	sw.	19	7	8	15	6.7	4.1	....
Ludington	637	60	66	29.31	30.02	.....	40.0	.....	76	27	48	18	8	32	33	37	32	76	1.39	.....	11	8,630	n.	46	sw.	18	9	9	12	5.9	5.2	....
Marquette	734	77	111	29.24	30.06	+ .04	35.1	− 2.4	66	15	43	13	8	27	35	31	26	75	6.80	+ 4.8	18	7,771	nw.	43	sw.	11	7	10	13	6.7	18.5	0.1
Port Huron	638	70	120	29.32	30.02	.00	42.0	− 0.2	82	18	50	18	9	33	37	38	34	73	2.04	0.0	11	8,732	s.	32	w.	9	5	13	12	6.3	2.2	....
Saginaw	641	48	82	29.32	30.02	.....	43.5	.....	85	18	54	18	8	33	39	39	35	77	1.30	− 1.4	11	7,771	nw.	35	sw.	10	6	9	15	6.5	2.3	....
Sault Sainte Marie	614	11	61	29.33	30.04	+ .01	34.0	− 1.7	66	18	42	10	13	26	33	30	26	76	4.71	+ 2.6	17	7,760	e.	40	nw.	12	9	6	15	6.3	15.8	....
Chicago	823	140	310	29.13	30.03	+ .03	48.3	+ 2.4	81	21	56	20	8	40	47	42	36	66	1.07	− 1.8	8	10,046	sw.	48	s.	18	10	9	11	5.6	0.1	....
Green Bay	617	109	144	29.32	29.99	− .02	40.5	− 0.2	80	18	49	14	8	32	33	36	32	75	2.75	+ 0.3	14	9,243	n.	46	s.	10	6	11	13	7.0	5.7	....
Milwaukee	681	119	133	29.27	30.01	+ .02	43.0	+ 1.2	80	18	51	16	8	35	38	38	32	69	1.89	− 0.8	11	6,479	se.	43	sw.	10	9	11	10	5.8	2.0	....
Duluth	1,133	11	47	28.80	30.05	+ .04	33.6	− 4.8	67	15	41	9	8	26	36	30	26	77	2.90	+ 0.8	11	10,859	ne.	51	ne.	28	9	9	12	5.9	7.5	T.
North Dakota.							**40.9**	**+ 0.2**										**69**	**1.38**	**− 0.5**										**5.9**		
Moorhead	940	8	57	29.03	30.06	+ .07	40.2	− 1.2	71	17	51	14	11	30	42	36	33	78	2.97	+ 0.6	12	7,407	n.	36	n.	18	12	7	11	5.1	2.1	....
Bismarck	1,674	8	57	28.27	30.08	+ .11	43.1	+ 0.5	76	23	55	12	7	31	46	37	30	67	0.92	− 1.0	8	8,847	n.	44	nw.	10	7	9	14	6.1	7.0	T.
Devils Lake	1,482	11	44	28.44	30.05	+ .06	37.4	− 0.8	69	20	48	8	7	27	40	33	27	70	1.21	− 0.8	9	9,894	n.	52	n.	18	8	6	16	6.5	3.0	....
Williston	1,872	40	47	28.03	30.04	+ .08	42.8	+ 2.3	77	15	54	12	7	31	40	36	28	61	0.43	− 0.8	5	6,877	n.	42	nw.	20	6	13	11	5.8	2.7	....
Upper Mississippi Valley.							**50.5**	**0.0**										**68**	**2.40**	**− 0.6**										**6.3**		
Minneapolis	918	102	208	.....	.....	.....	44.7	.....	77	17	54	19	8	35	35	....	....	....	3.69	+ 1.2	10	9,816	nw.	44	n.	19	7	9	14	6.4	3.4	....
St. Paul	837	201	236	29.09	30.00	+ .01	44.4	− 1.3	75	17	54	18	8	35	36	39	33	69	3.73	+ 1.4	11	10,370	n.	48	se.	17	6	13	11	5.8	3.5	....
La Crosse	714	11	48	29.23	30.01	+ .03	46.8	− 0.5	79	26	57	17	8	37	37	....	....	....	3.36	+ 1.1	12	4,807	se.	30	sw.	18	5	6	19	7.1	1.8	....
Madison	974	70	78	28.95	30.02	+ .03	45.1	+ 0.6	78	27	55	15	8	36	37	39	33	67	1.84	− 0.5	11	8,090	nw.	35	sw.	10	8	5	17	6.7	0.3	....
Charles City	1,015	10	49	28.92	30.01	+ .03	46.3	0.0	80	17	56	20	9	36	38	41	36	76	2.88	0.0	13	6,458	nw.	30	w.	10	9	11	10	5.6	T.	....
Davenport	606	71	79	29.35	30.01	+ .03	50.0	− 0.2	83	26	60	20	8	40	37	43	37	65	0.89	− 2.0	6	6,838	w.	39	sw.	18	7	11	12	6.2	T.	....
Des Moines	861	84	97	29.08	30.00	+ .03	50.4	− 0.2	84	26	60	23	9	41	37	43	37	67	1.52	− 1.5	10	6,634	sw.	36	sw.	24	6	8	16	6.7	0.5	....
Dubuque	698	81	96	29.26	30.02	+ .04	48.5	− 0.4	80	21	58	19	8	39	34	42	36	64	1.53	− 1.4	9	5,915	nw.	32	s.	18	5	10	15	6.5	T.	....
Keokuk	614	64	78	29.35	30.02	+ .04	52.3	+ 0.3	85	26	62	25	9	43	35	46	40	67	1.94	− 1.4	7	6,244	w.	39	sw.	18	7	13	10	5.8	T.	....
Cairo	356	87	93	29.66	30.04	+ .05	58.0	− 0.3	83	17	66	29	9	50	31	52	47	71	2.64	− 0.9	10	7,655	s.	39	s.	18	6	9	15	6.2	T.	....
Peoria	609	11	45	29.36	30.03	+ .04	51.2	+ 0.3	84	26	61	22	8	41	39	44	39	67	2.10	− 1.2	7	5,887	s.	30	s.	10	11	9	10	5.3	T.	....
Springfield, Ill	644	10	91	29.33	30.02	+ .04	54.0	+ 2.0	85	26	63	25	9	45	39	47	41	66	2.99	− 0.3	7	6,431	s.	36	s.	18	5	8	17	6.8	T.	....
Hannibal	534	74	109	29.44	30.02	+ .04	53.6	0.0	86	26	63	24	9	44	33	....	....	....	2.51	− 0.7	10	7,372	sw.	43	sw.	18	11	7	12	5.9	T.	....
St. Louis	567	265	303	29.42	30.03	+ .05	56.4	+ 0.3	82	16	65	26	9	48	38	49	43	65	1.92	− 1.6	7	9,918	nw.	58	sw.	18	6	16	8	5.7	T.	....
Missouri Valley.							**51.0**	**+ 0.5**										**65**	**2.30**	**− 0.8**										**5.7**		
Columbia, Mo	784	11	84	29.19	30.03	+ .05	54.2	− 0.1	86	26	64	24	9	45	34	....	....	....	1.74	− 2.0	11	6,323	s.	35	sw.	18	6	5	19	7.0	T.	....
Kansas City	963	161	181	28.98	30.02	+ .06	55.2	+ 0.9	83	21	64	25	8	46	35	48	42	67	1.76	− 1.5	11	9,709	s.	44	n.	7	7	15	8	5.6	....	....
St. Joseph	967	11	49	28.97	30.01	.....	54.1	.....	85	21	64	24	8	44	38	46	40	67	2.54	.....	8	6,827	s.	36	nw.	19	9	7	14	5.9	T.	....
Springfield, Mo	1,324	98	104	28.63	30.03	+ .06	54.8	− 0.9	82	16	64	25	9	46	32	48	41	65	3.63	− 0.2	12	7,613	s.	32	s.	17	11	9	10	5.1	T.	....
Iola	984	11	50	28.95	30.00	+ .05	55.0	+ 0.8	87	25	66	24	9	44	41	....	....	....	1.68	− 1.1	8	6,613	s.	32	n.	7	12	10	8	4.6	....	....
Topeka	983	85	101	.....	.....	.....	54.4	+ 0.7	87	21	65	24	8	44	42	....	....	....	1.30	− 1.4	9	8,037	s.	35	sw.	10	7	14	9	5.4	T.	....
Lincoln	1,189	11	84	28.72	29.99	+ .05	52.3	+ 1.6	84	26	63	22	8	41	42	44	38	66	2.34	− 0.4	7	9,470	n.	55	nw.	19	9	10	11	5.7	T.	....
Omaha	1,105	115	121	28.82	30.00	+ .05	51.8	+ 1.3	85	17	62	22	8	42	37	45	38	66	3.13	+ 0.1	10	7,124	nw.	37	nw.	19	11	7	12	5.6	T.	....
Valentine	2,598	47	54	27.29	30.03	+ .09	45.8	+ 0.4	82	16	58	11	8	34	46	38	30	65	3.53	+ 1.2	9	8,439	nw.	40	s.	22	8	12	10	5.5	0.1	....
Sioux City	1,135	94	164	28.78	30.00	+ .05	48.4	− 0.1	84	17	59	18	8	38	39	41	34	66	2.12	− 0.6	7	10,644	nw.	52	nw.	10	9	10	11	5.7	T.	....
Huron	1,306	56	67	28.62	30.04	+ .08	45.2	+ 0.6	85	16	56	15	9	34	47	39	31	63	2.96	+ 0.3	9	9,657	nw.	46	nw.	18	8	7	15	6.0	0.8	....
Pierre	1,572	70	75	28.37	30.06	+ .11	47.4	+ 0.9	80	15	58	18	8	37	38	39	30	57	1.78	− 0.2	7	8,878	nw.	52	nw.	18	5	14	11	6.1	0.5	....
Yankton	1,233	49	57	28.66	30.00	+ .05	47.8	+ 0.4	84	16	59	18	8	37	49	....	....	....	1.60	− 1.2	6	7,233	nw.	37	nw.	18	7	8	15	6.4	T.	....

TABLE I.—*Climatological data for United States Weather Bureau stations, April, 1914*—Continued.

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.												Precipitation, inches.			Wind.										
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max.+mean min.÷2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 0.01 or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
Northern Slope.							**44.0**	**+ 1.2**										**66**	**1.73**	**− 0.1**										**6.5**		
Havre	2,505	11	44	27.38	30.03	+ .10	44.9	+ 2.2	78	15	58	15	8	32	50	38	30	64	0.04	− 1.0	2	6,481	e.	36	w.	9	8	9	13	5.8	T.	....
Helena	4,110	87	114	25.81	30.04	+ .08	44.0	+ 2.0	65	19	53	26	8	35	32	37	30	62	1.35	+ 0.2	11	6,114	sw.	46	sw.	13	3	10	17	7.1	8.6	....
Kalispell	2,962	11	34	26.94	30.02	+ .06	44.8	+ 2.3	68	22	56	29	26	34	34	38	31	64	1.21	+ 0.2	11	3,447	sw.	18	sw.	19	7	15	8	5.7	T.	....
Miles City	2,371	26	48	27.50	30.08	+ .12	47.8	+ 3.1	80	15	60	19	8	36	42	40	33	63	0.20	− 1.0	7	5,098	s.	30	n.	17	8	15	7	5.3	0.2	....
Rapid City	3,234	46	50	26.62	30.07	+ .12	44.0	+ 0.5	77	15	54	11	8	34	37	38	30	63	1.58	− 0.7	15	5,970	n.	31	nw.	17	4	6	20	7.5	0.5	....
Cheyenne	6,088	58	64	23.97	29.99	+ .08	40.2	− 1.4	67	15	50	12	8	31	34	34	29	68	2.58	+ 0.7	15	9,685	nw.	60	w.	23	4	10	16	7.3	5.1	....
Lander	5,372	60	68	24.63	30.03	+ .09	42.0	− 0.2	70	19	53	22	1	31	38	35	29	68	5.36	+ 2.9	14	3,724	nw.	40	sw.	15	5	8	17	7.1	11.1	....
Sheridan	3,790	10	47	26.13	30.06	.....	43.2	.....	75	15	55	13	8	32	44	37	32	72	2.75	.....	16	5,546	nw.	38	nw.	9	3	10	17	7.3	4.5	....
Yellowstone	6,200	11	48	23.86	30.03	+ .07	38.0	+ 1.0	58	22	48	19	11	28	35	32	27	71	1.74	+ 0.4	11	5,619	s.	28	nw.	13	6	9	15	6.7	3.6	....
North Platte	2,821	11	51	27.07	30.01	+ .09	50.0	+ 1.0	84	20	64	13	8	36	46	41	34	63	1.48	− 0.7	10	6,270	n.	32	nw.	16	12	9	9	5.3	T.	....
Middle Slope.							**53.0**	**− 0.7**										**66**	**2.30**	**0.0**										**5.4**		
Denver	5,291	129	172	24.69	29.96	+ .06	46.6	− 1.1	78	20	58	17	8	36	37	39	32	63	3.75	+ 1.6	16	5,813	ne.	42	w.	23	3	17	10	6.7	9.0	....
Pueblo	4,685	80	86	25.25	29.94	+ .06	49.0	− 1.5	81	25	62	19	9	36	44	39	30	58	3.64	+ 2.2	12	5,366	se.	50	nw.	23	8	13	9	5.7	2.3	....
Concordia	1,398	42	50	28.52	30.00	+ .07	54.2	+ 0.6	90	21	66	19	9	42	41	46	39	64	1.00	− 1.4	6	6,409	s.	32	se.	23	5	16	9	5.8	....	....
Dodge City	2,509	11	51	27.37	29.97	+ .07	54.2	− 0.2	92	21	68	16	8	40	42	44	37	63	1.28	− 0.6	9	9,268	se.	48	se.	5	12	12	6	4.7	....	....
Wichita	1,358	139	158	28.54	29.97	+ .04	56.0	− 0.6	87	16	66	26	8	46	32	48	42	65	1.70	− 1.0	10	10,580	s.	52	nw.	18	15	10	5	3.7	T.	....
Oklahoma	1,214	10	47	28.71	29.99	+ .07	58.0	− 1.6	89	16	69	25	9	47	33	50	45	69	2.41	− 0.4	9	12,237	s.	48	se.	17	9	9	12	5.9	....	....
Southern Slope.							**61.5**	**− 0.9**										**58**	**2.33**	**+ 0.4**										**4.6**		
Abilene	1,738	10	52	28.17	29.97	+ 0.7	63.0	− 1.4	94	16	75	26	9	51	37	53	45	60	5.34	+ 3.1	7	9,716	s.	38	sw.	16	12	6	12	5.6	T.	....
Amarillo	3,676	10	49	26.23	29.95	+ .08	56.0	+ 1.4	88	21	70	20	8	42	41	46	38	64	0.95	− 0.8	10	9,827	sw.	40	ne.	11	15	13	2	3.8	1.8	....
Del Rio	944	8	57	28.97	29.95	+ .06	68.6	− 1.4	93	15	80	34	9	57	38	....	....	....	1.88	− 1.1	4	6,813	se.	52	sw.	25	11	13	6	4.4	....	....
Roswell	3,566	75	85	26.32	29.90	+ .05	58.4	− 2.2	87	15	73	31	13	44	45	46	32	49	1.14	+ 0.6	5	7,255	s.	48	se.	30	14	9	7	4.4	2.9	....
Southern Plateau.							**58.4**	**+ 0.5**										**42**	**0.29**	**− 0.1**										**3.3**		
El Paso	3,762	110	133	26.12	29.83	.00	64.0	+ 0.2	89	15	78	36	9	50	38	46	23	28	0.47	+ 0.2	1	8,961	w.	50	sw.	16	22	8	0	2.5	....	....
Santa Fe	7,013	57	62	23.20	29.86	+ .02	48.0	+ 0.4	73	21	60	24	8	36	36	37	24	47	0.44	− 0.4	8	6,818	n.	44	sw.	16	8	16	6	5.2	1.5	....
Flagstaff	6,907	8	57	23.29	29.84	.00	43.9	+ 1.7	72	14	59	22	18	29	45	....	....	....	0.48	.....	3	.....	sw.	40	sw.	22	11	14	5	....	3.0	....
Phoenix	1,108	76	81	28.70	29.85	− .02	68.5	+ 1.9	97	14	82	45	23	54	40	52	36	35	0.10	− 0.3	1	4,246	e.	31	n.	17	18	8	4	2.9	....	....
Yuma	141	9	58	29.72	29.87	− .02	71.5	+ 1.4	102	14	87	46	23	56	44	55	42	41	0.27	+ 0.2	1	4,803	w.	30	ne.	17	28	2	0	0.8	....	....
Independence	3,910	11	42	25.97	29.95	− .05	54.3	− 2.4	84	19	68	29	1	40	40	45	36	57	0.18	0.0	5	5,931	nw.	41	nw.	15	10	13	7	4.9	....	....
Middle Plateau.							**49.6**	**+ 1.1**										**54**	**1.32**	**+ 0.2**										**5.7**		
Reno	4,532	74	81	25.45	29.98	+ .01	49.0	+ 1.7	77	18	61	27	1	37	43	39	29	52	0.70	+ 0.1	5	5,865	w.	43	w.	9	9	13	8	5.4	T.	....
Tonopah	6,090	12	20	24.00	29.90	.....	47.4	.....	73	14	57	27	17	38	33	38	26	47	0.50	− 1.2	6	7,092	nw.	40	nw.	16	9	13	8	5.5	T.	....
Winnemucca	4,344	18	56	25.59	29.98	+ .02	48.6	+ 1.5	75	14	61	23	17	36	41	40	32	59	1.32	+ 0.4	10	5,043	sw.	32	nw.	15	7	7	16	6.5	T.	....
Modena	5,479	10	43	24.56	29.90	+ .02	46.8	− 0.1	75	19	60	26	18	34	42	37	28	59	2.17	+ 1.4	12	7,380	sw.	45	s.	22	6	14	10	6.2	1.7	....
Salt Lake City	4,360	147	189	25.56	29.92	.00	51.8	+ 1.7	72	4	61	38	16	43	29	43	36	59	2.84	+ 0.6	11	5,359	nw.	37	e.	30	8	16	6	5.3	T.	....
Durango	6,546	18	56	23.59	29.87	+ .02	47.3	+ 0.9	74	15	62	26	17	33	39	36	27	53	0.77	− 0.4	5	4,586	nw.	34	w.	22	9	13	8	5.1	T.	....
Grand Junction	4,602	43	51	25.31	29.87	− .01	54.1	+ 0.9	80	20	66	33	9	43	33	43	33	52	0.92	+ 0.2	9	5,994	se.	37	sw.	5	6	14	10	5.9	....	....
Northern Plateau.							**50.4**	**+ 1.4**										**59**	**1.64**	**+ 0.3**										**6.4**		
Baker	3,471	48	53	26.46	30.06	+ .06	46.2	+ 2.7	70	19	57	27	28	35	31	39	32	62	2.02	+ 1.1	13	4,693	nw.	25	nw.	29	11	9	10	5.2	0.2	....
Boise	2,739	78	86	27.15	30.02	+ .04	51.2	+ 1.1	73	19	62	29	28	40	35	43	34	57	1.63	+ 0.4	12	3,916	nw.	26	nw.	16	6	7	17	6.7	....	....
Lewiston	757	40	48	29.23	30.05	+ .06	53.6	+ 0.7	76	30	65	33	29	42	38	....	....	....	1.63	+ 0.5	10	2,470	e.	24	nw.	26	4	14	12	6.4	....	....
Pocatello	4,477	46	54	25.43	29.95	+ .01	48.1	+ 1.3	70	19	59	29	26	38	33	40	32	60	1.59	− 0.4	12	5,670	se.	34	sw.	16	3	13	14	7.0	0.1	....
Spokane	1,929	101	110	27.98	30.04	+ .05	49.6	+ 1.9	75	30	60	31	21	39	36	42	35	62	1.45	+ 0.2	8	4,719	ss.	34	w.	19	7	7	16	6.5	T.	....
Walla Walla	1,000	107	115	28.97	30.05	+ .04	53.4	+ 0.6	76	14	64	33	21	43	32	45	36	56	1.54	− 0.2	10	3,862	s.	24	w.	19	5	11	14	6.5	....	....
North Pacific Coast Region.							**50.4**	**+ 2.1**										**81**	**3.47**	**+ 0.1**										**6.2**		
North Head	211	11	56	29.86	30.09	+ .04	49.4	+ 1.9	66	3	53	42	21	46	18	47	45	88	4.66	+ 1.4	20	11,328	nw.	62	se.	4	9	11	10	5.7	....	....
Port Crescent	259	8	53	29.79	30.08	+ .06	45.6	+ 0.9	60	8	53	31	16	38	27	....	....	....	1.83	− 0.6	15	3,660	s.	14	sw.	27	3	13	14	6.7	....	....
Seattle	125	215	250	29.96	30.09	+ .06	51.4	+ 2.0	68	30	59	36	1	44	28	47	44	80	3.31	+ 0.6	14	6,305	s.	55	sw.	26	4	15	11	6.4	....	....
Tacoma	213	113	120	29.86	30.08	+ .05	50.8	+ 1.9	68	18	59	32	1	42	29	48	46	87	3.20	+ 0.4	13	4,413	sw.	35	sw.	26	4	16	10	6.3	....	....
Tatoosh Island	86	7	57	29.95	30.05	+ .05	48.6	+ 2.5	59	3	53	41	7	44	14	47	45	89	5.39	− 0.9	17	11,221	e.	54	s.	14	6	9	15	6.8	....	....
Portland, Oreg.	153	68	106	29.91	30.07	+ .01	53.8	+ 2.6	76	30	63	37	28	45	29	48	42	70	3.08	0.0	18	4,128	nw.	24	w.	4	7	10	13	6.0	....	....
Roseburg	510	9	57	29.52	30.08	+ .01	53.5	+ 2.6	83	18	64	34	28	43	40	47	42	71	2.50	0.0	14	2,629	s.	28	sw.	26	4	22	4	5.2	....	....
Middle Pacific Coast Region.							**55.6**	**+ 2.0**										**71**	**1.56**	**− 0.5**										**4.6**		
Eureka	62	73	89	30.03	30.10	− .01	51.9	+ 2.4	70	14	58	39	27	45	27	48	46	82	3.27	− 0.7	12	6,294	n.	38	n.	20	9	12	9	5.4	....	....
Mount Tamalpais	2,375	11	18	27.57	30.06	+ .01	50.1	+ 0.6	72	18	56	37	21	44	21	45	40	73	1.31	− 0.1	6	12,437	nw.	88	nw.	25	13	7	10	4.9	....	....
Point Reyes Light	490	7	18	29.50	30.02	.....	53.6	+ 5.0	81	18	58	45	21	49	30	....	....	....	1.18	.....	7	16,846	nw.	82	nw.	28	12	11	7	4.9	....	....
Red Bluff	332	50	56	29.67	30.03	.00	59.2	+ 0.1	88	18	69	42	24	50	34	51	43	63	2.41	+ 0.6	10	4,332	se.	28	nw.	15	8	8	14	5.8	....	....
Sacramento	69	106	117	29.96	30.03	+ .02	58.8	+ 0.8	81	18	67	43	24	50	27	53	47	67	0.70	− 1.3	6	6,038	s.	30	nw.	29	16	9	5	3.7	....	....
San Francisco	155	200	204	29.88	30.05	.00	58.2	+ 4.5	83	18	65	48	28	52	27	51	46	71	0.99	− 0.8	7	5,223	w.	24	sw.	9	17	8	5	3.5	....	....
San Jose	141	12	110	29.90	30.05	.....	57.5	+ 0.8	86	18	69	38	25	46	38	....	....	....	0.65	− 0.8	5	4,483	nw.	23	w.	15	14	7	9	4.3	....	....
South Pacific Coast Region.							**60.8**	**+ 2.8**										**69**	**0.65**	**+ 0.4**										**4.4**		
Fresno	327	89	98	29.67	30.03	+ .04	60.8	− 0.4	92	19	72	43	24	49	38	52	45	62	0.59	− 0.1	6	6,082	nw.	31	nw.	10	11	11	8	5.2	....	....
Los Angeles	338	159	191	29.62	29.99	.00	62.8	+ 5.2	92	19	72	46	22	54	30	54	48	67	0.47	− 0.7	5	4,704	ne.	24	ne.	22	12	5	13	5.1	....	....
San Diego	87	62	70	29.89	29.98	− .01	61.4	+ 3.2	85	19	68	50	1	54	29	55	51	74	0.85	+ 0.1	4	5,024	nw.	26	sw.	22	18	6	6	3.6	....	....
San Luis Obispo	201	47	54	29.85	30.07	+ .02	58.2	+ 3.0	90	18	68	38	29	48	43	52	47	74	0.68	− 0.8	3	4,814	n.	25	w.	10	15	9	6	3.9	....	....
West Indies.																																
San Juan	82	8	54	29.92	30.01	+ .03	76.2	.....	85	5	82	69	25	71	15	....	....	....	3.30	− 0.6	22	8,932	se.	35	ne.	22	11	12	7	5.1	....	....
Panama.																																
Ancon	92	6	69	29.74	29.83	.....	82.6	.....	95	1	92	72	6	74	23	75	73	79	4.80	+ 2.1	9	6,465	nw.	24	nw.	1	7	16	7	5.7	....	....
Culebra	404	5	62	29.44	29.86	.....	82.3	.....	96	9	92	71	28	73	24	74	72	82	0.62	− 2.9	7	6,669	nw.	26	n.	24	3	19	8	6.3	....	....
Colon	10	5	71	29.86	29.87	.....	81.4	.....	88	9	85	73	27	78	12	76	75	83	4.12	+ 0.1	18	9,450	n.	30	nw.	28	10	16	4	4.8	....	....

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.30 in 1 hour, during April, 1914, at all stations furnished with self-registering gages.*

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Abilene, Tex.	25-26	10.15 p. m.	D. N. a. m.	2.76	10.35 p. m.	10.59 p. m.	.14†	.12†	.25†	.52†	.71†	.80†									
	26	9.40 p. m.	10.30 p. m.	1.89	9.44 p. m.	10.20 p. m.	.02	.23	.64	1.12	1.26	1.54	1.80	1.86	1.87						
Albany, N. Y.	8			1.50														.60			
Alpena, Mich.	28			0.73														.22			
Amarillo, Tex.	6			0.32														.32			
Anniston, Ala.	14			1.26														.62			
Asheville, N. C.	19			0.44														.35			
Atlanta, Ga.	14			1.78														.63			
Atlantic City, N. J.	26			1.26														.51			
Augusta, Ga.	14			0.87														.38			
Baker, Oreg.	22			0.60														.31			
Baltimore, Md.	8			0.99														.62			
Bentonville, Ark.	18			0.40														.23			
Binghamton, N. Y.	19			0.61														.24			
Birmingham, Ala.	29			1.00														.60			
Bismarck, N. Dak.	27-28			0.67														*			
Block Island, R. I.	8-9			0.50														.44			
Boise, Idaho	10			0.41														.14			
Boston, Mass.	8			0.62														.35			
Buffalo, N. Y.	25			0.28														.14			
Burlington, Vt.	7-8			1.34														*			
Cairo, Ill.	26			0.33														.33			
Canton, N. Y.	8			0.84														*			
Charles City, Iowa	24			1.06														.71			
Charleston, S. C.	14	9.58 a. m.	2.15 p. m.	1.58	1.18 p. m.	2.00 p. m.	.14	.13	.27	.60	.84	1.07	1.10	1.22	1.38	1.44					
Charlotte, N. C.	14			1.65														.50			
Chattanooga, Tenn.	19			1.11														.71			
Cheyenne, Wyo.	6-7			0.42†														*			
Chicago, Ill.	27			0.44														.38			
Cincinnati, Ohio	25			0.90														.36			
Cleveland, Ohio	25	5.25 p. m.	6.33 p. m.	0.64	5.52 p. m.	6.14 p. m.	.06	.10	.22	.36	.51	.57									
Columbia, Mo.	27			0.36														.15			
Columbia, S. C.	14			1.20														.32			
Columbus, Ohio	25			0.55														.27			
Concord, N. H.	1			0.61														.21			
Concordia, Kans.	18			0.57														.37			
Corpus Christi, Tex.	3-4	9.22 p. m.	D. N. a. m.	1.22	9.28 p. m.	10.07 p. m.	.02	.07	.11	.22	.33	.38	.52	.68	.73						
	29	8.36 p. m.	D. N. p. m.	1.17	9.32 p. m.	10.17 p. m.	.16	.17	.23	.29	.37	.46	.49	.64	.70	.76					
	30	8.32 a. m.	2.38 p. m.	1.42	11.16 a. m.	11.45 a. m.	.35	.09	.19	.24	.36	.52	.57								
Dallas, Tex.	24-25	10.00 p. m.	3.15 a. m.	1.18	10.07 p. m.	10.45 p. m.	.05	.13	.22	.34	.48	.53	.60	.66	.71						
Davenport, Iowa	28			0.35														.15			
Dayton, Ohio	1			0.79														.37			
Del Rio, Tex.	25	8.30 p. m.	10.20 p. m.	1.20	8.45 p. m.	9.15 p. m.	.03	.62	.77	.94	1.03	1.08	1.13								
Denver, Colo.	26			0.45														.17			
Des Moines, Iowa	26			0.28														.24			
Detroit, Mich.	25			1.17														.56			
Devils Lake, N. Dak.	28-29			0.81†														*			
Dodge City, Kans.	23			0.33														.33			
Dubuque, Iowa	24			0.40														.34			
Duluth, Minn.	28			1.01†														.23			
Durango, Colo.	10-11			0.33†														*			
Eastport, Me.	9			1.13														.39			
Elkins, W. Va.	25			1.37														.55			
El Paso, Tex.	3			0.47														.46			
Erie, Pa.	7-8			1.11														*			
Escanaba, Mich.	28			2.00														.28			
Eureka, Cal.	9			0.99														.40			
Evansville, Ind.	14			1.26														.19			
Flagstaff, Ariz.	22			0.30														*			
Fort Smith, Ark.	27			0.99														.36			
Fort Wayne, Ind.	27			0.79														.47			
Fort Worth, Tex.	24-25	8.57 p. m.	3.14 a. m.	2.27	9.20 p. m.	10.15 p. m.	.02	.07	.21	.49	.60	.67	.73	.87	1.13	1.36	1.68	1.87			
Fresno, Cal.	4			0.34														.21			
Galveston, Tex.	13	D. N. a. m.	8.45 a. m.	0.82	3.11 a. m.	3.34 a. m.	.02	.18	.26	.28	.64	.69									
					6.59 p. m.	7.49 p. m.	.25	.06	.07	.22	.36	.38	.44	.51	.57	.73	.79				
					7.49 p. m.	8.39 p. m.		.93	1.13	1.22	1.32	1.35	1.39	1.51	1.55	1.67	1.69				
	27-28	1.55 p. m.	1.15 p. m.	4.61	8.39 p. m.	9.29 p. m.		1.69	1.73	1.79	2.06	2.29	2.38	2.50	2.54	2.55	2.59				
					9.29 p. m.	10.19 p. m.		2.70	2.75	2.77	2.79	2.81	2.90	2.93	2.94	3.10	3.40				
					10.19 p. m.	10.32 p. m.		3.54	3.81	3.94											
Grand Haven, Mich.	27			0.62														.52			
Grand Junction, Colo.	10			0.38														.13			
Grand Rapids, Mich.	24			0.44														.28			
Green Bay, Wis.	27-28			0.83														*			
Hannibal, Mo.	28			0.64														.38			
Harrisburg, Pa.	25			1.28														.33			
Hartford, Conn.	15			0.88														.24			
Hatteras, N. C.	20	8.26 a. m.	11.40 a. m.	0.82	10.00 a. m.	10.38 a. m.	.03	.17	.25	.28	.33	.41	.52	.58	.65						
Havre, Mont.	19			0.03														.02			
Helena, Mont.	5-6			0.72														*			
Houghton, Mich.	25			0.47														.21			
Houston, Tex.	27	12.15 p. m.	5.45 p. m.	1.74	3.49 p. m.	4.19 p. m.	.31	.07	.22	.43	.69	.98	1.30								
Huron, S. Dak.	23			0.42														.34			
Independence, Cal.	30			0.06														.05			
Indianapolis, Ind.	27			0.29														.29			
Iola, Kans.	26			0.33														.33			
Jacksonville, Fla.	6			0.15														.06			
Kalispell, Mont.	5			0.51														.06			
Kansas City, Mo.	6			0.86														.21			
Keokuk, Iowa	28			0.66														.27			
Key West, Fla.	6			1.04														.64			
Knoxville, Tenn.	19			1.26														.61			
La Crosse, Wis.	24	1.02 p. m.	3.35 p. m.	1.00	2.09 p. m.	2.38 p. m.	.28	.09	.22	.33	.41	.52	.58								
Lander, Wyo.	5			0.67														.39			
Lansing, Mich.	27			0.85														.69			
Lewiston, Idaho	12			0.26														.13			
Lexington, Ky.	19			0.52														.37			
Lincoln, Nebr.	27			0.94														.60			
Little Rock, Ark.	27-28	8.10 p. m.	7.20 a. m.	2.40	6.00 a. m.	7.00 a. m.	1.50	.08	.13	.15	.22	.30	.40	.48	.56	.63	.73	.86			
Los Angeles, Cal.	21			0.07														.05			
Louisville, Ky.	27			0.22														.21			
Ludington, Mich.	24			0.52														.25			

* Self-register does not work during freezing weather.

** Self-register out of order.

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during April, 1914, at all stations furnished with self-registering gages*—Continued.

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Lynchburg, Va.	15			0.69														.43			
Macon, Ga.	19			0.27														.21			
Madison, Wis.	24	5.03 p. m.	6.35 p. m.	0.85	5.28 p. m.	6.07 p. m.	.01	.23	.39	.47	.51	.57	.62	.66	.74						
Marquette, Mich.	28			3.04														.33			
Memphis, Tenn.	25			0.46														.31			
Meridian, Miss.	28-29	D.N. p. m.	D.N. a. m.	1.23	12.58 a. m.	1.22 a. m.	.16	.31	.55	.69	.83	.92									
Miami, Fla.	2	11.43 a. m.	12.10 p. m.	0.59	11.46 a. m.	12.02 p. m.	.01	.20	.46	.52	.58										
		12.57 p. m.	2.20 p. m.	2.05	1.03 p. m.	1.39 p. m.	.05	.21	.74	1.20	1.52	1.69	1.80	1.97	1.99						
Milwaukee, Wis.	24			1.05														1.02			
Minneapolis, Minn.	24			1.17														.41			
Mobile, Ala.	19			0.77														.31			
Modena, Utah.	6			0.36														.18			
Montgomery, Ala.	13-14	6.35 p. m.	6.15 a. m.	1.07	1.21 a. m.	1.41 a. m.	.15	.08	.28	.39	.53										
Moorhead, Minn.	27-28			1.44														*			
Mount Tamalpais, Cal.	4			0.54														.32			
Mount Weather, Va.	25			0.87														.49			
Nantucket, Mass.	16			0.91														.48			
Nashville, Tenn.	19			0.63														.28			
New Haven, Conn.	25-26			1.44														*			
New Orleans, La.	18-19	7.05 p. m.	D. N. a. m.	4.80	8.41 p. m.	10.40 p. m.	.32	.09	.22	.41	.55	.61	.70	.76	.83	.88	.91	1.02	2.17	3.38	3.97
New York, N. Y.	26			1.12														.25			
Norfolk, Va.	20			0.60														.43			
Northfield, Vt.	8			1.07														.15			
North Head, Wash.	26			1.04														.21			
North Platte, Nebr.	22			0.28														.27			
Oklahoma, Okla.	17	8.30 p. m.	9.40 p. m.	0.73	8.46 p. m.	9.11 p. m.	.03	.07	.10	.18	.33	.60									
Omaha, Nebr.	23	8.50 p. m.	D. N. p. m.	1.26	9.17 p. m.	10.11 p. m.	.04	.05	.16	.32	.38	.49	.65	.90	.92	.97	1.05	1.19			
Oswego, N. Y.	7-8			0.86														*			
Palestine, Tex.	25	2.15 a. m.	6.20 a. m.	1.34	2.26 a. m.	3.16 a. m.	.01	.18	.24	.31	.38	.44	.52	.61	.68	.72	.79				
Parkersburg, W. Va.	25			0.99														.59			
Pensacola, Fla.	11			0.34														.27			
Peoria, Ill.	28			0.57														.31			
Philadelphia, Pa.	8			0.56														.51			
Phoenix, Ariz.	22			0.10														.05			
Pierre, S. Dak.	23			0.56														.23			
Pittsburgh, Pa.	25			0.91														.29			
Pocatello, Idaho.	15			0.49														.26			
Point Reyes Light, Cal.	4			0.26														.14			
Port Huron, Mich.	1			0.64														.23			
Portland, Me.	2			0.54														.28			
Portland, Oreg.	14			0.69														.12			
Providence, R. I.	25-26			1.33														*			
Pueblo, Colo.	6			1.26														.53			
Raleigh, N. C.	20			1.60														.70			
Rapid City, S. Dak.	25-26			0.41														.11			
Reading, Pa.	8			0.60														.41			
Red Bluff, Cal.	9			1.27														.54			
Reno, Nev.	21			0.65														.22			
Richmond, Va.	8			0.17														.15			
Rochester, N. Y.	25			0.65														.17			
Roseburg, Oreg.	9			0.90														.19			
Roswell, N. Mex.	30			0.53														.44			
Sacramento, Cal.	4			0.48														.26			
Saginaw, Mich.	27			0.15														.10			
St. Joseph, Mo.	18			0.67														.28			
St. Louis, Mo.	27			0.29														.24			
St. Paul, Minn.	18			1.07														.48			
Salt Lake City, Utah.	16			0.76														.24			
San Antonio, Tex.	3	12.45 p. m.	7.15 p. m.	1.90	4.22 p. m.	4.37 p. m.	.46	.31	.93	1.14											
	27	5.30 a. m.	10.10 a. m.	1.29	7.46 a. m.	8.15 a. m.	.19	.09	.18	.30	.39	.55	.74								
San Diego, Cal.	22			0.46														.20			
Sand Key, Fla.	13	10.12 p. m.	11.34 p. m.	1.06	10.17 p. m.	10.45 p. m.	.01	.15	.41	.62	.78†	.86†	.91†								
Sandusky, Ohio.	24			0.49														.35			
San Francisco, Cal.	4			0.46														.35			
San Jose, Cal.	4			0.35														.20			
San Luis Obispo, Cal.	4			0.40														.12			
Sante Fe, N. Mex.	10			0.19														*			
Sault Ste. Marie, Mich.	28			2.12†														*			
Savannah, Ga.	14			0.37														.21			
Scranton, Pa.	8			0.87														.20			
Seattle, Wash.	27			0.71														.20			
Sheridan, Wyo.	6-7			0.90														*			
Shreveport, La.	11			0.42														.37			
Sioux City, Iowa.	23			0.74														.57			
Spokane, Wash.	15			0.21														.10			
Springfield, Ill.	1			0.58														.33			
Springfield, Mo.	24-25			0.95														*			
Syracuse, N. Y.	7-8			0.98														*			
Tacoma, Wash.	26			0.40														.25			
Tampa, Fla.	14			0.90														.60			
Tatoosh Island, Wash.	2			0.41														.19			
Taylor, Tex.	27			1.24														.62			
Terre Haute, Ind.	1			0.68														.39			
Thomasville, Ga.	14	12.26 p. m.	1.28 p. m.	1.10	12.47 p. m	1.20 p. m.	.03	.12	.44	.71	.92	.97	1.00	1.07							
Toledo, Ohio.	24			1.03														.61			
Tonopah, Nev.	21-22			0.26														*			
Topeka, Kans.	27			0.45														.33			
Valentine, Nebr.	26			1.23														.43			
Vicksburg, Miss.	18			1.00														.43			
Walla Walla, Wash.	15			0.66														.26			
Washington, D. C.	8			0.68														.33			
Wichita, Kans.	17			0.54														.36			
Williston, N. Dak.	28			0.30														*			
Wilmington, N. C.	1			1.64														.63			
Winnemucca, Nev.	4			0.15														.11			
Wytheville, Va.	19			0.28														.27			
Yankton, S. Dak.	23			0.43														.27			
Yellowstone Park, Wyo.	15-16			0.45														*			

† Record partly estimated. ‡ No precipitation occurred during month.

TABLE III.—*Data furnished by the Canadian Meteorological Service, April, 1914.*

Stations.	Pressure.			Temperature.						Precipitation.		
	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max. + mean min. ÷2.	Departure from normal.	Mean maximum.	Mean minimum.	Highest.	Lowest.	Total.	Departure from normal.	Total snowfall.
	Inches.	*Inches.*	*Inches.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	*Inches.*	*Inches.*	*Inches.*
St. Johns, Newfoundland	29.58	29.72	−.17	29.8	−4.7	35.7	23.9	50	8	3.02	−1.14	14.0
Sydney, Cape Breton Island	29.88	29.92	+.03	32.4	−2.6	40.5	24.3	62	4	4.82	+0.97	39.0
Halifax, Nova Scotia	29.86	29.97	+.01	37.8	0.0	47.8	27.9	70	17	3.33	−0.85	5.8
Yarmouth, Nova Scotia	29.93	30.00	+.04	37.7	−1.2	44.9	30.5	59	20	2.89	−0.50	2.4
Charlottetown, Prince Edward Island	29.90	29.94	+.04	32.1	−3.1	39.2	25.1	57	8	3.04	+0.39	17.7
Chatham, New Brunswick	29.96	29.98	+.08	32.8	−2.7	43.9	21.7	64	−2	3.16	+0.53	21.6
Father Point, Quebec	29.96	29.98	+.05	30.2	−3.0	36.6	23.9	46	9	1.54	−0.04	9.8
Quebec, Quebec	29.67	30.01	+.02	32.8	−2.3	40.9	24.7	56	5	2.18	+0.09	9.8
Montreal, Quebec	29.80	30.01	+.01	38.0	−1.7	45.6	30.4	74	14	1.57	−0.67	4.5
Stonecliffe, Ontario	29.39	30.01	−.01	35.9	−2.0	45.9	25.9	68	6	2.31	+0.75	3.1
Ottawa, Ontario	29.75	30.08	+.06	38.0	−2.0	46.1	29.9	68	14	2.79	+1.29	11.7
Kingston, Ontario	29.73	30.05	+.03	39.1	−0.9	46.2	32.0	64	17	3.56	+1.77	1.4
Toronto, Ontario	29.61	30.00	−.02	41.5	+0.7	48.9	34.1	67	22	1.92	−0.45	1.0
White River, Ontario	28.68	30.03	−.01	26.3	−6.7	40.5	12.1	62	−15	1.62	+0.37	11.0
Port Stanley, Ontario	29.38	30.04	+.02	41.0	0.0	48.6	33.4	64	20	3.03	+0.56	4.7
Southampton, Ontario	29.30	.....	.....	39.2	+0.5	47.4	31.0	77	18	1.84	+0.04	2.1
Parry Sound, Ontario	29.30	30.00	−.02	37.6	0.0	47.4	27.8	73	11	3.29	+1.38	5.5
Port Arthur, Ontario	29.33	30.06	+.03	32.0	−1.5	42.8	21.3	62	4	1.37	−0.35	3.7
Winnipeg, Manitoba	29.23	30.08	+.06	36.1	+0.2	45.3	26.9	66	9	0.75	−0.30	3.6
Minnedosa, Manitoba	28.23	30.09	+.08	36.0	0.0	47.3	24.8	70	3	1.64	+0.58	2.9
Qu'Appelle, Saskatchewan	27.74	30.01	+.02	38.4	+1.0	50.1	26.6	70	5	0.89	−0.16	8.4
Medicine Hat, Alberta	27.69	29.98	+.06	47.8	+3.3	61.1	34.5	77	20	T.	−0.74	T.
Swift Current, Saskatchewan	27.39	29.98	+.02	41.8	+0.5	55.7	27.9	76	11	0.40	−0.53	0.8
Calgary, Alberta	26.41	29.96	+.06	42.8	+3.2	55.7	29.8	72	16	0.60	−0.04	3.0
Banff, Alberta	25.36	29.98	+.08	38.4	+3.1	48.9	27.9	65	8	1.90	+0.82	14.0
Edmonton, Alberta	27.70	30.02	+.13	41.8	+1.9	55.2	28.5	72	7	0.38	−0.50	1.0
Prince Albert, Saskatchewan	28.45	30.04	+.06	38.2	+2.1	52.0	24.5	70	4	1.34	+0.51	6.5
Battleford, Saskatchewan	28.26	30.03	+.06	41.9	+4.7	53.7	30.1	75	15	0.54	+0.07	0.2
Kamloops, British Columbia	28.75	30.04	+.11	51.6	+2.7	64.6	38.6	78	26	0.38	−0.01	0.0
Victoria, British Columbia	29.91	30.01	.00	50.5	+3.7	57.8	43.2	64	35	1.04	−1.33	0.0
Barkerville, British Columbia	25.62	29.94	+.08	37.1	+4.0	46.0	28.2	56	16	2.28	+0.46	8.5
Hamilton, Bermuda	29.98	30.15	+.10	64.2	+0.3	69.7	58.8	79	52	3.90	−0.28	0.0

O