Average relative humidity and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
	%			%	
New England	78	0	Missouri Valley	69	+ 4
Middle Atlantic	76	+ 4	Northern Slope	69	+11
South Atlantic	75	+ 1	Middle Slope	62	+ 1
Florida Peninsula	74	− 2	Southern Slope	52	− 4
East Gulf	75	+ 4	Southern Plateau	35	+ 3
West Gulf	77	+ 2	Middle Plateau	51	+ 5
Ohio Valley and Tennessee	74	+ 6	Northern Plateau	57	+ 1
Lower Lake	77	+ 6	North Pacific	79	+ 3
Upper Lake	76	+ 4	Middle Pacific	67	+ 1
North Dakota	68	+ 6	South Pacific	67	− 2
Upper Mississippi Valley	73	+ 5			

Average cloudiness and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England	5.9	+ 0.4	Missouri Valley	5.2	− 0.2
Middle Atlantic	6.0	+ 0.8	Northern Slope	6.0	+ 0.6
South Atlantic	4.4	0.0	Middle Slope	4.8	0.0
Florida Peninsula	3.7	− 0.8	Southern Slope	3.8	− 0.7
East Gulf	4.7	+ 0.4	Southern Plateau	2.3	+ 0.1
West Gulf	4.7	− 0.2	Middle Plateau	4.7	+ 0.6
Ohio Valley and Tennessee	5.8	+ 0.7	Northern Plateau	6.1	+ 0.5
Lower Lake	5.9	+ 0.7	North Pacific	7.5	+ 1.6
Upper Lake	6.4	+ 0.9	Middle Pacific	3.1	− 1.1
North Dakota	5.6	+ 0.3	South Pacific	2.6	− 1.6
Upper Mississippi Valley	6.0	+ 0.8			

CLIMATOLOGICAL SUMMARY.

By Mr. JAMES BERRY, Chief of the Climatological Division.

TEMPERATURE AND PRECIPITATION BY SECTIONS, MAY, 1908.

In the following table are given, for the various sections of the Climatological Service of the Weather Bureau, the average temperature and rainfall, the stations reporting the highest and lowest temperatures with dates of occurrence, the stations reporting greatest and least monthly precipitation, and other data, as indicated by the several headings.

The mean temperatures for each section, the highest and lowest temperatures, the average precipitation, and the greatest and least monthly amounts are found by using all trustworthy records available.

The mean departures from normal temperature and precipitation are based only on records from stations that have ten or more years of observation. Of course the number of such records is smaller than the total number of stations.

Section.	Temperature—in degrees Fahrenheit.								Precipitation—in 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	71.4	0.0	Flomaton Lucy	98 98	3 d't's 28	Cullman Valley Head	30 30	1 1	5.34	+ 1.96	Pushmataha	9.22	Ozark	1.74
Arizona	65.1	− 4.4	Gilabend Mohawk Summit	105 105	30 18, 28	Williams	21	17	0.35	− 0.01	Williams	2.60	8 stations	0.00
Arkansas	70.0	+ 0.3	Brinkley	96	23	Dutton, Pond	30	8	7.05	+ 2.00	Lewisville	12.54	Calico Rock	1.76
California	58.0	− 3.5	Mecca	103	29	Tamarack	3	1	1.63	+ 0.17	La Porte	9.16	12 stations	0.00
Colorado	49.1	− 2.9	Las Animas	97	19	Corona	4	5	2.19	+ 0.24	Corona	6.53	Manassa	0.26
Florida	76.1	+ 0.1	Huntington Orange City	102 102	29 29	Carrabelle Johnstown	40 40	1 2	2.74	− 1.12	Miami	8.53	Manatee	0.14
Georgia	72.1	+ 0.1	Blakely, Eastman	101	28	Rome	34	1	2.67	− 0.78	Newnan	5.63	Americus	0.45
Hawaii	71.5†	.....	Kihei, Maui	89	11 d't's	Humuula, Hawaii	35	2, 20	4.21‡	.....	Olaa, Hawaii	17.83	4 stations	0.00
Idaho	48.8	− 3.2	Orifino	92	6	Mackay Standrod	20 20	4 10	2.33	+ 0.63	Driggs	4.46	Garnet	0.63
Illinois	63.3	+ 0.6	Golconda	95	24	Lanark	23	3	7.75	+ 3.61	Windsor	13.26	Grafton	4.20
Indiana	64.0	+ 1.4	Mount Vernon	95	26	Veedersburg	23	2	6.28	+ 2.06	Farmersburg	10.09	Salamonia	3.66
Iowa	59.4	− 0.7	Mount Vernon	98	21	Washta	13	2	8.34	+ 3.84	Fort Madison	14.33	Belle Plaine	4.33
Kansas	63.8	− 0.2	Fort Dodge	93	16, 20	Saint Francis	25	1	5.56	+ 1.16	Lebo	11.21	Hugoton	0.03
Kentucky	66.7	+ 0.6	Lakin	102	19	Greensburg	28	1	4.34	+ 0.50	Mount Sterling	7.40	Beaverdam	2.46
Louisiana	74.2	+ 0.4	Maysville	96	29	Robeline	37	1	7.28	+ 3.76	Amite	16.55	Burrwood	0.23
Maryland and Delaware	63.6	+ 0.9	Melville	99	27, 31	Deer Park, Md Oakland, Md	28 28	1 1	6.23	+ 2.59	Bachmans Valley, Md	15.32	Solomons, Md	1.06
Michigan	55.4	+ 1.7	Cambridge, Md	95	28	East Tawas	18	2	4.89	+ 1.76	Wasepi	8.27	West Branch	1.46
Minnesota	53.9	− 1.1	Adrian	97	27	Detroit Hallock	16 16	2 2, 3	6.28	+ 2.91	Winnebago	11.70	Red Lake	3.70
Mississippi	71.9	0.0	Morris	95	10	Lake Como	36	1	6.38	+ 2.37	Shoccoe	11.32	Pontotoc	2.96
Missouri	66.1	+ 0.8	Shoccoe	98	28	Sublett Unionville	24 24	2 2	6.92	+ 1.85	Unionville	17.07	Caruthersville	2.82
Montana	50.0	− 1.3	Warsaw	96	20	Springbrook	12	1	5.00	+ 2.99	Red Lodge	11.90	Jordan	0.80
Nebraska	57.1	− 2.2	2 stations	89	7, 9	Anoka	14	2	4.98	+ 1.20	Pawnee City	14.61	Benkelman	1.71
Nevada	49.9	− 4.6	Holdredge Seward	98 98	19, 20 20	Cherry Creek	7	10	1.01	− 0.03	Lewers Ranch	2.80	Mina	0.00
New England*	57.2	+ 2.0	Las Vegas	99	25, 26	St. Johnsbury, Vt	21	2	4.70	+ 1.03	Southington, Conn	7.40	Nantucket, Mass	1.27
New Jersey	61.6	+ 0.8	Franklin, N. H Nashua, N. H	92 92	26 26	Layton	29	5	7.10	+ 3.36	Bergen Point	9.99	Cape May	4.39
New Mexico	57.5	− 3.8	Browns Mills	95	26, 27	Rociada, Springer	13	5	0.66	− 0.22	Monument	3.70	2 stations	0.00
New York	58.2	+ 1.7	Carlsbad	101	21	Franklinville	19	4	5.07	+ 1.62	Salisbury Mills	10.05	Romulus	1.76
North Carolina	67.5	+ 0.1	Elba Elmira Kinston Lumberton	93 93 96 96	25 28 15 31	Sapphire	28	1	3.86	− 0.45	Newbern	11.53	Ramseur	1.31
North Dakota	50.8	− 2.1	3 stations	88	8, 10	Mayville	9	2	2.97	+ 0.60	Buford	5.35	New England	0.56
Ohio	62.8	+ 1.4	Philo (2) Waverly	96 96	28 29	Bucyrus Garrettsville	25 25	3 1	4.72	+ 1.22	Milfordton	9.13	Willoughby	1.74
Oklahoma	67.8	− 0.6	Arapaho	100	20	Beaver	28	7	8.45	+ 3.52	Healdton	15.45	Kenton	0.38
Oregon	50.9	− 3.8	Umatilla	94	13	Christmas Lake	8	13	3.12	+ 0.65	Bull Run	8.01	Heisler	0.15
Pennsylvania	61.2	+ 1.4	Irwin	96	3 d't's	Pocono Lake	22	3	6.28	+ 2.17	Gettysburg	10.95	Kennett Square	3.19
Porto Rico	76.9	.....	Juana Diaz	96	5	Aibonito	52	14	7.10	.....	La Carmelita (b)	18.67	Comerio Falls	2.20
South Carolina	71.8	+ 0.9	9 stations	96	5 d't's	4 stations	36	1	2.92	− 0.37	Beaufort	7.06	Greenwood	0.70
South Dakota	54.8	− 1.8	Ottumwa	98	20	Frederick	15	2	4.65	+ 1.85	Mitchell	9.53	Clifton	1.52
Tennessee	68.6	+ 1.1	Jackson	97	29	Rugby	26	1	3.76	− 0.14	La Fayette	7.88	Charleston	1.67
Texas	73.5	+ 0.2	Fort McIntosh	105	13	Plemons	28	7	5.69	+ 3.12	Temple	11.70	Marfa	0.00
Utah	50.7	− 5.2	St. George Hite	90 90	26 30	Pinto	11	9	2.35	+ 1.30	Alpine	6.99	Emery	0.20
Virginia	64.4	0.0	Arvonia Lincoln	95 95	13 27	Burkes Garden	28	1	4.70	+ 0.67	Dale Enterprise	8.24	Warsaw	2.97
Washington	52.8	− 2.7	Hatton	95	6	Lake Kachess	23	14	2.39	+ 0.04	Quiniault	8.22	Wahluke	0.02
West Virginia	63.4	+ 0.6	Cairo	96	29	3 stations	28	1	6.19	+ 2.14	Burlington	11.45	Valley Fork	2.73
Wisconsin	56.0	+ 0.2	Dodgeville Downing	90 90	17 20	Koepenick Long Lake	18 18	3 4	5.41	+ 1.54	Mauston	8.95	Rhinelander	2.44
Wyoming	46.7	− 2.3	Pine Bluff	87	19	Dubois Kirwin	10 10	21 21	4.54	+ 3.08	Blue Cap	9.89	Eden	0.67

* Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut. † 53 stations, with an average elevation of 724 feet. ‡ 146 stations.

TABLE I.—*Climatological data for U. S. Weather Bureau stations, May, 1908.*

Stations.	Elevation of instruments.			Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.											Precipitation, in inches.			Wind.									
	Barometer above sea level, feet.	Thermometers above ground.	Anemometer above ground.	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hrs.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with .01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness during daylight, tenths.	Total snowfall.
New England.							56.3	+ 1.5										78	4.13	+ 0.8										5.9	
Eastport	76	69	85	29.86	29.95	— .01	48.9	+ 2.0	76	24	56	36	2	42	33	45	42	82	2.58	— 1.2	12	7,899	s.	54	e.	1	5	13	13	6.7	
Greenville	.....	.....	.....	28.79	29.95	.....	50.4	.....	77	26	62	25	4	39	44	.....	.....	.....	5.50	.....	14	.....	se.	.....	.....	.....	.....	.....	.....	.....	.....
Portland, Me.	103	81	117	29.83	29.95	— .02	54.3	+ 0.8	87	27	62	35	2	46	38	49	44	74	4.76	+ 1.1	15	6,930	s.	36	se.	1	7	8	16	6.2	
Concord	288	70	79	29.62	29.93	— .05	57.2	+ 1.5	89	26	68	35	2	46	41	.....	.....	.....	4.25	+ 1.0	13	4,626	nw.	33	w.	12	15	8	8	4.8	T.
Burlington	404	12	47	29.48	29.92	— .05	57.2	+ 0.3	83	28	67	31	3	48	32	.....	.....	.....	3.47	+ 0.6	17	8,427	s.	47	s.	1	5	15	11	6.3	2.8
Northfield	876	16	70	29.00	29.94	— .03	55.2	+ 1.7	87	26	67	29	5	44	40	53	50	81	3.73	+ 0.9	14	6,684	s.	38	nw.	12	4	14	13	6.9	1.0
Boston	125	115	188	29.82	29.96	— .02	59.0	+ 2.4	88	27	67	39	3	51	37	54	50	76	3.78	+ 0.3	10	8,110	e.	36	se.	30	9	11	11	5.9	
Nantucket	12	14	90	29.95	29.96	— .03	54.0	+ 1.0	73	13	60	40	6	47	27	51	50	90	1.27	— 1.4	10	12,997	sw.	51	w.	3	8	12	11	6.0	
Block Island	26	11	46	29.93	29.96	— .03	54.2	+ 1.3	73	13	60	41	3	48	23	51	49	86	4.76	+ 1.0	11	12,817	sw.	54	e.	7	9	16	6	5.0	
Narragansett	.....	9	.....	.....	.....	.....	55.0	+ 0.3	82	13	62	38	4	48	32	.....	.....	.....	4.19	.....	9	.....	sw.	.....	.....	.....	16	2	13	.....	
Providence	160	57	67	29.79	29.96	— .02	59.2	+ 0.7	88	27	69	37	3	50	39	53	48	71	4.18	+ 0.7	12	5,441	w.	34	se.	30	13	7	11	5.6	
Hartford	159	122	132	29.77	29.94	— .04	61.1	+ 3.6	87	27	70	38	3	52	38	54	50	74	6.52	+ 3.0	12	6,164	s.	29	w.	1	7	13	11	6.5	
New Haven	106	116	155	29.83	29.95	— .05	60.2	+ 2.6	86	27	69	38	3	52	37	54	49	72	6.16	+ 2.5	13	7,627	s.	35	w.	1	11	10	10	5.6	T.
Mid. Atlantic States.							62.8	+ 1.1										76	5.06	+ 1.5										6.0	
Albany	97	102	115	29.83	29.93	— .04	61.1	+ 2.2	86	26	70	38	5	52	37	54	49	68	4.26	+ 1.3	14	6,064	s.	41	nw.	29	6	14	11	6.1	
Binghamton	871	78	90	29.00	29.92	— .05	58.6	+ 1.6	87	28	68	31	5	50	39	.....	.....	.....	3.95	+ 0.9	19	5,149	se.	28	s.	19	7	7	17	6.8	0.1
New York	314	108	350	29.61	29.94	— .05	61.3	+ 2.0	86	27	69	40	3	54	33	55	51	74	9.10	+ 5.9	12	9,353	ne.	50	nw.	2	7	10	14	6.3	
Harrisburg	374	94	104	29.55	29.95	— .03	62.6	+ 0.9	88	28	70	39	1	55	29	56	52	74	3.48	— 0.2	15	6,124	e.	34	nw.	2	9	7	15	6.5	
Philadelphia	117	116	184	29.83	29.96	— .03	63.6	+ 1.4	89	28	72	42	1	55	30	57	53	74	6.85	+ 3.6	14	7,783	ne.	31	nw.	10	7	11	13	6.1	
Scranton	805	111	119	29.08	29.94	— .04	61.1	+ 2.3	91	28	70	36	1	52	36	55	52	76	4.02	+ 0.6	15	6,022	sw.	42	w.	2	8	8	15	6.1	T.
Atlantic City	52	87	48	29.91	29.96	— .02	58.5	+ 1.0	85	13	64	42	1	53	27	55	52	81	5.56	+ 2.6	14	6,626	sw.	30	se.	7	6	10	15	6.7	
Cape May	17	48	52	29.96	29.98	— .01	59.8	+ 1.2	82	13	65	42	1	54	28	56	.....	.....	4.40	+ 1.4	15	6,788	s.	30	w.	1	5	18	8	6.1	
Baltimore	123	100	113	29.80	29.93	— .06	65.1	+ 0.9	89	14	73	40	1	57	36	59	56	75	4.04	+ 0.5	14	5,578	sw.	26	sw.	2	4	8	19	7.3	
Washington	112	59	76	29.82	29.94	— .06	65.3	+ 1.1	92	28	74	39	1	56	40	59	55	74	6.10	+ 2.3	13	5,135	ne.	33	nw.	10	7	17	7	5.5	
Cape Henry	18	9	58	29.94	29.96	— .04	65.6	+ 1.4	87	12	73	45	1	58	27	.....	.....	.....	4.64	+ 0.6	11	9,854	sw.	58	n.	30	12	9	10	4.9	T.
Lynchburg	681	83	88	29.23	29.97	— .03	65.6	— 0.3	90	27	75	40	1	56	33	60	56	75	3.86	— 0.1	12	2,840	sw.	24	nw.	10	12	10	9	5.4	
Mount Weather	1,725	10	54	28.14	29.93	— .07	59.8	+ 0.3	82	14	67	30	1	53	26	54	51	79	5.86	+ 2.1	17	9,482	nw.	70	nw.	1	6	10	15	6.5	T.
Norfolk	91	102	111	29.87	29.97	— .03	67.6	+ 1.2	90	13	76	42	1	59	30	61	58	76	3.99	— 0.1	12	7,169	s.	40	nw.	30	10	11	10	5.6	
Richmond	144	145	153	29.81	29.96	— .03	67.2	— 0.1	90	27	77	40	1	58	37	.....	.....	.....	6.71	+ 2.9	14	6,144	s.	52	sw.	2	12	12	7	4.8	
Wytheville	2,293	40	47	27.62	29.95	— .04	61.6	+ 0.2	84	27	72	35	1	51	39	56	54	84	4.10	+ 0.2	18	3,941	w.	30	w.	2	12	13	6	4.6	
S. Atlantic States.							71.1	+ 1.2										75	3.32	— 0.5										4.4	
Asheville	2,255	53	75	27.66	29.96	— .03	63.8	+ 1.2	85	28	74	35	1	53	35	58	56	81	3.06	— 0.7	11	4,731	se.	36	nw.	10	6	17	8	5.7	
Charlotte	773	68	76	29.15	29.98	— .01	68.8	+ 0.4	89	28	79	37	1	58	34	60	55	66	2.20	— 1.7	8	4,999	sw.	29	sw.	2	14	12	5	4.5	
Hatteras	11	12	47	29.96	29.97	— .04	69.4	+ 2.3	81	27	74	48	1	65	18	65	62	82	7.38	+ 3.2	10	10,560	sw.	54	nw.	29	21	6	4	3.6	
Manteo	.....	.....	.....	.....	.....	.....	67.3	.....	87	30	76	43	2	59	.....	.....	.....	.....	7.48	+ 3.4	9	.....	sw.	.....	.....	.....	19	5	7	.....	
Raleigh	376	71	79	29.57	29.96	— .03	69.0	+ 0.9	90	31	80	38	1	59	36	61	56	69	2.03	— 2.9	9	4,600	sw.	27	sw.	2	10	13	8	5.3	
Wilmington	78	81	91	29.90	29.98	— .03	70.8	+ 1.7	89	30	79	42	1	62	25	64	61	77	2.80	— 1.2	9	6,237	sw.	27	sw.	7	10	16	5	4.7	
Charleston	48	14	92	29.94	29.99	— .02	74.0	+ 1.6	93	29	82	46	1	66	30	68	66	81	2.01	— 1.5	10	7,472	s.	26	nw.	19	11	17	3	4.4	
Columbia, S. C.	351	41	57	29.60	29.97	— .03	72.5	+ 0.7	93	15	84	40	1	62	32	63	53	68	2.93	— 0.3	10	5,249	sw.	32	sw.	28	10	15	6	4.8	
Augusta	180	89	97	29.79	29.98	— .01	73.0	+ 0.8	94	28	84	42	1	62	33	65	62	73	0.91	— 2.3	8	4,668	w.	30	nw.	17	21	9	1	2.8	
Savannah	65	81	89	29.92	29.99	— .01	74.4	+ 1.9	92	16	84	46	1	65	31	66	63	74	2.65	— 0.4	11	5,499	sw.	34	n.	29	13	15	3	4.4	
Jacksonville	48	101	129	29.96	30.01	+ .01	75.2	+ 1.0	92	30	84	48	1	66	26	68	65	76	3.07	— 1.2	8	6,613	s.	38	sw.	30	18	10	3	3.8	
Florida Peninsula.							78.2	+ 1.2										74	1.72	— 1.9										3.7	
Jupiter	28	10	48	29.97	30.00	+ .02	77.0	+ 0.6	92	28	84	58	10	70	25	71	69	77	3.05	— 1.7	9	8,149	se.	38	sw.	6	10	18	3	4.7	
Key West	22	10	53	29.97	29.99	+ .02	80.4	+ 1.4	88	6	86	71	10	75	16	73	70	74	0.60	— 2.8	6	7,022	e.	42	sw.	7	16	14	1	3.6	
Sand Key	25	41	71	29.95	29.98	+ .01	79.0	.....	91	30	82	67	4	76	15	.....	.....	.....	1.44	— 1.9	5	9,589	e.	50	sw.	7	18	8	5	3.4	
Tampa	35	79	96	29.97	30.00	+ .01	77.2	+ 1.7	93	22	87	54	2	68	30	69	65	71	1.81	— 1.1	5	5,884	w.	26	e.	4	17	13	1	3.2	
East Gulf States.							72.7	+ 0.4										75	4.67	+ 1.2										4.7	
Atlanta	1,174	190	216	28.77	29.99	.00	69.7	+ 0.2	90	28	79	39	1	61	28	63	60	76	2.95	— 0.1	9	7,196	nw.	48	nw.	29	10	9	12	5.7	
Macon	370	55	66	29.60	29.99	.00	73.8	+ 2.7	93	24	85	42	1	62	34	.....	.....	.....	2.99	+ 0.1	11	3,422	nw.	24	w.	29	14	11	6	3.8	
Thomasville	273	8	58	29.71	30.00	+ .01	74.4	+ 0.4	97	28	87	41	1	62	35	66	62	71	3.91	— 0.1	5	3,652	sw.	26	sw.	30	23	6	2	2.8	
Pensacola	56	79	96	29.94	30.00	+ .01	74.2	— 0.6	88	28	81	48	1	68	22	.....	.....	.....	2.42	— 0.3	6	7,439	sw.	38	se.	6	13	15	3	4.1	
Anniston	741	9	58	29.22	30.01	+ .02	69.6	+ 1.2	92	23	80	34	1	59	35	.....	.....	.....	4.97	+ 1.9	13	3,784	se.	27	se.	5	8	8	15	6.4	
Birmingham	700	11	48	29.23	29.99	+ .01	70.8	— 0.8	91	23	80	38	1	61	33	64	61	75	6.60	+ 3.5	13	4,823	s.	29	se.	29	4	16	11	6.3	
Mobile	57	98	106	29.93	29.99	.00	74.4	+ 0.8	90	27	82	47	1	67	25	68	66	79	4.82	+ 0.8	5	6,007	se.	33	nw.	18	14	16	1	3.8	
Montgomery	223	100	112	29.74	29.99	.00	73.2	— 0.3	95	23	84	44	1	63	30	65	61	71	3.90	+ 0.1	7	4,530	w.	31	w.	29	11	11	9	5.3	
Meridian	375	84	93	29.58	29.96	+ .02	72.0	+ 0.9	93	28	83	40	1	62	35	65	61	73	6.73	+ 2.8	7	4,007	s.	34	w.	5	18	5	8	4.2	
Vicksburg	247	62	74	29.68	29.96	+ .01	71.8	— 1.1	89	31	80	46	1	64	26	65	62	76	7.35	+ 3.1	10	5,417	se.	37	nw.	29	15	5	11	4.8	
New Orleans	51	88	121	29.92	29.97	.00	75.9	+ 1.4	91	27	84	53	1	68	23	69	66	78	4.77	+ 0.9	9	7,409	se.	36	s.	5	8	18	5	4.9	
West Gulf States.							73.0	+ 0.4										77	7.46	+ 3.3										4.7	
Shreveport	249	77	84	29.64	29.91	— .04	73.0	+ 0.2	90	28	82	50	8	64	28	66	63	77	14.11	+10.0	12	6,388	se.	52	se.	11	8	16	7	5.1	
Bentonville	1,303	11	44	28.50	29.84	— .09	67.0	+ 0.6	87	20	77	38	9	57	33	.....	.....	.....	7.72	+ 2.5	11	4,722	s.	24	s.	11	14	12	5	4.3	
Fort Smith	457	79	94	29.37	29.85	— .08	69.8	+ 0.1	89	19	79	43	8	60	28	64	61	77	9.79	+ 4.9	11	6,271	e.	36	nw.	22	11	14	6	4.9	
Little Rock	357	139	147	29.53	29.90	— .05	70.4	0.0	88	19	79	44	1	62	28	64	61	76	4.59	— 0.5	9	7,400	se.	54	sw.	13	7	17	7	5.6	
Corpus Christi	20	48	53	29.84	29.85	— .05	77.6	+ 1.1	91	5	82	53	1	73	21	72	69	80	2.34	— 0.4	3	11,540	se.	37	se.	23	10	15	6	4.5	
Fort Worth	670	106	114	29.14	29.84	— .07	72.8	— 0.4	90	19	82	46	7	64	29	.....	.....	.....	10.69	+ 6.5	11	9,925	s.	48	n.	23	15	11	5	4.1	
Galveston	54	106	112	29.87	29.93	— .01	75.9	+ 0.5	87	5	80	56	7	72	14	71	69	84	3.40	+ 0.2	2	10,941	se.	44	e.	14	16	13	2	3.7	
Palestine	510	73	79	29.34	29.87	— .06	72.9	+ 0.4	89	30	81	45	1	64	30	67	64	79	7.86	+ 3.0	8	2,685	s.	9	s.	20	4	19	8	6.5	
San Antonio	701	80	91	29.11	29.82	— .08	76.2	+ 1.4	95	19	86	46	1	66	34	67	63	69	6.07	+ 3.1	5	5,858	se.	30	e.	30	13	13	5	4.3	
Taylor	583	55	63	29.26	29.87	— .04	74.2	— 0.1	91	19	84	44	1	64	32	.....	.....	.....	8.03	+ 4.0	9	8,766	s.	42	ne.	29	15	11	5	3.8	
Ohio Val. and Tenn.							66.3	+ 1.1										74	4.30	+ 1.0										5.8	
Chattanooga	762	106	112	29.18	29.98	— .01	69.4	+ 0.8	91	23	79	37	1	60	33	62	57	69	1.94	— 1.7	12	4,423	sw.	28	nw.	5	9	10	12	5.8	
Knoxville	1,004	93	100	28.92	29.96	— .03	68.2	+ 1.7	90	23	78	36	1	59	32	61	57	74	2.15	— 1.6	13	3,740	sw.	25	w.	18	7	11	13	6.2	
Memphis	399	76	97	29.52	29.94	— .02	71.1	+ 0.4	91	24	78	48	8	64	24	66	63	78	3.21	— 1.1	11	6,986	s.	57	sw.	4	13	5	13	5.2	
Nashville	546	79	91	29.38	29.96	— .02	69.3	+ 0.5	91	24	79	36	1	60	29	62	58	72	2.80	— 0.7	13	4,625	sw.	35	nw.	5	9	8	14	5.8	
Lexington	989	75	102	28.88	29.93	— .06	64.8	+ 0.5	87	25	73	34	1	56	32	.....	.....	.....	4.20	+ 0.7	14	7,434	sw.	40	w.	6	17	7	7	4.4	
Louisville	525	111	132	29.34	29.92	— .06	68.0	+ 1.3	92	28	77	36	1	59	26	60	56	70	4.26	+ 0.6	14	6,199	sw.	37	w.	1	7	16	8	5.8	
Evansville	431	72	82	29.42	29.89	— .08	67.2	+ 0.1	91	24	76	42	2	58	29	.....	.....	.....	6.51	+ 3.1	11	6,104	s.	43	sw.	11	5	20	6	5.5	
Indianapolis	822	154	164	29.01	29.89	— .08	63.8	+ 0.5	87	25	72	34	2	56	25	58	54	75	5.19	+ 1.2	16	8,221	sw.	48	sw.	11	5	11	15	6.9	
Cincinnati	628	152	160	29.24	29.91	— .08	66.1	+ 1.0	93	25	75	35	1	57	28	59	54	69	5.84	+ 2.3	16	5,090	sw.	39	w.	25	3	19	9	6.2	
Columbus	824	178	224	29.04	29.91	— .07	64.0	+ 1.7	91	29	73	34	1	55	26	57	53	72	4.04	+ 0.3	16	8,906	sw.	58	w.	2	8	10	13	6.0	
Pittsburg	842	336	352	29.03	29.92	— .07	63.4	+ 0.8	89	25	72	33	1	55	27	57	53	74	3.84	+ 0.5	18	7,390	sw.	51	w.	2	6	12	13	6.2	0.1
Parkersburg	638	77	84	29.28	29.93	— .06	65.4	+ 2.1	91	28	75	37	1	56	35	59	56	76	3.54	+ 0.1	17	4,337	s.	31	nw.	2	10	9	12	5.6	
Elkins	1,940	41	50	27.93	29.95	— .05	61.4	+ 2.3	88	25	72	33	1	51	44	56	53	83	8.42	+ 4.4	21	2,787	w.	29	w.	2	8	11	12	6.1	T.
Lower Lake Region.							58.5	+ 1.3										77	3.59	+ 0.4										5.9	
Buffalo	767	178	206	29.08	29.91	— .06	56.2	+ 1.7	86	25	64	31	1	49	30	52	49	79	4.08	+ 1.0	19	10,122	sw.	49	sw.	12	8	12	11	5.9	0.3
Canton	448	10	71	29.42	29.90	.....	56.7	+ 0.5	85	28	66	32	5	47	34	.....	.....	.....	6.45	+ 3.6	19	8,992	sw.	55	sw.	12	4	16	11	6.6	1.5
Oswego	335	76	91	29.54	29.91	— .06	56.2	+ 1.5	88	28	64	32	1	48	31	52	49	80	3.49	+ 0.6	19	7,833	s.	37	w.	1	9	8	14	6.1	T.
Rochester	523	81	102	29.36	29.92	— .05	58.8	+ 2.1	91	28	67	32	1	51	31	53	48	72	2.47	— 0.5	17	6,890	w.	45	w.	12	8	10	13	6.0	3.0
Syracuse	597	97	113	29.28	29.92	— .06	58.2	+ 0.9	87	28	67	31	1	50	32	.....	.....	.....	3.49	+ 0.1	20	9,024	s.	42	w.	12	7	9	15	6.5	1.4
Erie	718	92	102	29.13	29.90	— .08	58.4	+ 1.1	88	28	66	33	2	51	27	53	48	71	3.22	— 0.2	18	8,013	w.	42	se.	7	11	12	8	5.2	T.
Cleveland	762	190	201	29.09	29.90	— .08	60.4	+ 1.9	88	28	68	36	2	52	28	54	50	71	2.38	— 0.8	22	9,768	se.	48	w.	2	10	10	11	5.7	0.1
Sandusky	629	62	70	29.21	29.89	— .09	60.4	+ 1.2	90	28	68	38	3	53	26	.....	.....	.....	2.12	— 1.1	16	5,856	e.	39	nw.	28	10	6	15	5.7	T.
Toledo	628	207	246	29.21	29.89	— .08	60.6	+ 0.9	88	28	69	34	3	52	26	55	51	76	4.64	+ 1.4	19	10,190	sw.	49	w.	2	8	12	11	5.5	T.
Detroit	730	218	258	29.11	29.90	— .07	59.2	+ 1.3	85	28	68	31	2	50	26	56	54	87	3.57	+ 0.3	16	10,166	e.	54	sw.	11	8	9	14	6.1	T.
Upper Lake Region.							53.3	+ 1.1										76	4.37	+ 1.0										6.4	
Alpena	609	13	92	29.25	29.92	— .05	51.4	+ 1.9	83	26	60	27	4	43	33	47	43	78	4.84	+ 1.5	17	8,261	se.	36	se.	27	5	13	13	6.6	T.

TABLE I.—*Climatological data for U. S. Weather Bureau stations, May, 1908*—Continued.

Stations.	Elevation of instruments.			Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.												Precipitation, in inches.			Wind.									
	Barometer above sea level, feet.	Thermometers above ground.	Anemometer above ground.	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hrs.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with .01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness during daylight, tenths.	Total snowfall.
Up. Lake Reg—Cont.																															
Escanaba	612	40	82	29.25	29.92	—.05	51.3	+1.3	75	26	59	26	1	43	27	46	42	75	3.01	—0.4	15	7,564	s.	35	e.	14	5	8	18	6.9	0.2
Grand Haven	632	54	92	29.18	29.86	—.10	55.4	+0.6	83	25	64	32	2	47	32	52	49	80	4.20	+0.9	15	8,734	w.	48	nw.	2	6	15	10	6.3	T.
Grand Rapids	707	121	162	29.11	29.88	—.09	58.4	—0.6	86	25	68	30	2	49	32	53	49	74	5.34	+2.0	16	8,608	e.	40	n.	2	4	12	15	7.1	T.
Houghton	668	66	74	29.19	29.92	—.05	50.4	+0.7	80	25	60	31	5	41	38	.....	.....	...	4.84	+1.6	15	6,413	e.	27	w.	23	9	11	11	5.6	0.3
Marquette	784	77	116	29.14	29.94	—.03	48.6	—0.4	85	25	56	30	4	41	42	44	38	71	3.11	—0.2	18	6,398	nw.	31	s.	21	4	16	11	6.4	1.2
Port Huron	638	70	120	29.20	29.89	—.08	56.6	+2.9	87	28	66	29	3	47	38	52	48	76	3.73	+0.5	14	8,029	ne.	38	nw.	2	9	9	13	6.3	T.
Sault Sainte Marie	614	40	61	29.24	29.94	—.01	50.8	+3.1	79	20	60	30	1	41	41	47	42	73	2.76	—0.5	12	6,634	se.	37	nw.	2	6	7	18	7.2	
Chicago	823	140	310	28.99	29.88	—.08	58.7	+2.2	87	25	66	34	2	51	33	54	52	81	6.74	+3.4	14	11,344	w.	68	w.	28	8	11	12	6.2	
Milwaukee	681	122	139	29.16	29.90	—.06	54.3	+0.7	84	25	62	32	2	46	40	50	46	80	4.55	+1.1	15	8,243	ne.	45	n.	7	12	8	11	5.3	T.
Green Bay	617	49	86	29.20	29.86	—.09	55.8	+1.3	83	25	65	30	2	47	35	50	46	74	3.64	+0.1	17	9,324	ne.	48	ne.	7	4	8	19	7.3	0.4
Duluth	1,133	11	47	28.71	29.94	—.02	47.6	—1.0	81	19	56	26	2	39	39	42	36	70	5.73	+2.3	13	11,764	ne.	51	ne.	20	8	10	13	6.0	T.
North Dakota.							51.1	—3.2										68	2.64	+0.2										5.6	
Moorhead	940	8	57	28.90	29.92	—.02	53.0	—1.8	80	17	64	21	2	42	42	48	43	73	4.16	+1.2	11	6,045	ne.	33	e.	14	10	8	13	5.8	T.
Bismarck	1,674	8	57	28.14	29.92	.00	51.8	—3.4	81	16	64	21	2	40	40	46	39	67	2.89	+0.4	8	8,522	e.	56	ne.	20	10	11	10	5.8	T.
Devils Lake	1,482	11	44	28.34	29.92	—.02	49.6	—3.1	78	9	61	18	2	38	38	44	38	69	1.71	—0.5	9	9,291	ne.	54	ne.	20	10	6	15	5.8	0.1
Williston	1,875	14	56	27.92	29.90	—.03	50.0	—4.3	78	9	61	21	2	39	40	44	37	63	1.80	—0.5	10	8,670	e.	58	n.	20	11	9	11	5.4	6.4
Upper Miss. Valley.							61.6	—0.3										73	7.06	+2.9										6.0	
Minneapolis	.....	102	208	.....	.....	.....	56.2	.....	84	17	65	28	2	47	31	.....	.....	...	8.14	+4.2	15	10,096	n.	53	se.	20	7	10	14	6.4	T.
St. Paul	837	171	179	28.97	29.87	—.07	56.4	—1.8	83	19	65	28	2	48	33	50	44	67	7.57	+4.0	15	7,193	n.	39	se.	20	8	10	13	6.0	T.
La Crosse	714	10	49	29.09	29.86	—.08	58.6	—0.9	87	17	69	28	3	48	41	.....	.....	...	8.37	+4.6	14	4,244	s.	26	sw.	25	7	5	19	7.0	T.
Madison	974	70	78	28.83	29.87	—.09	57.2	—0.4	82	17	66	31	2	49	33	52	49	76	5.38	+1.8	15	8,727	se.	54	n.	7	10	6	15	6.1	T.
Charles City	1,015	3	49	28.80	29.87	—.07	57.3	—2.2	84	17	68	27	3	47	41	52	48	74	6.55	+1.6	14	6,178	se.	34	sw.	25	5	8	18	7.0	0.0
Davenport	606	71	79	29.20	29.86	—.09	61.2	—0.3	87	17	70	30	2	52	31	55	51	73	5.13	+0.9	17	6,988	nw.	39	s.	28	7	10	14	6.4	T.
Des Moines	861	84	101	28.94	29.84	—.09	60.4	—1.2	86	20	70	30	2	51	34	55	52	76	9.89	+5.3	18	7,403	se.	36	se.	10	7	11	13	6.2	0.0
Dubuque	698	100	117	29.14	29.88	—.07	59.7	—1.1	85	17	69	30	2	50	37	53	48	68	5.82	+1.5	14	5,030	se.	31	n.	7	8	10	13	5.8	0.0
Keokuk	614	64	77	29.20	29.86	—.08	63.2	0.0	87	24	72	30	2	54	30	57	53	75	10.09	+5.8	16	6,210	se.	38	sw.	28	10	13	8	4.8	0.0
Cairo	356	87	93	29.53	29.90	—.06	69.0	+1.5	90	24	77	45	2	61	24	62	59	74	4.90	+1.1	15	6,664	s.	48	s.	11	7	10	14	6.1	
La Salle	536	56	64	29.30	29.87	—.09	61.6	+0.8	87	17	70	31	2	53	31	.....	.....	...	6.69	+2.8	17	7,318	w.	42	sw.	28	5	12	14	6.3	
Peoria	609	11	45	29.22	29.88	—.08	62.0	+0.3	87	24	71	31	2	53	32	57	54	77	7.76	+3.5	19	7,390	se.	42	w.	21	13	10	8	4.6	
Springfield, Ill	644	10	92	29.19	29.87	—.08	64.6	+1.1	88	24	73	34	2	56	28	57	53	72	7.27	+2.8	16	7,618	s.	44	w.	27	9	12	10	5.7	
Hannibal	584	75	109	29.27	29.84	—.10	64.4	0.0	87	24	74	33	2	55	30	.....	.....	...	4.60	—0.4	17	7,899	sw.	50	sw.	11	4	12	15	6.5	0.0
St. Louis	567	208	217	29.26	29.86	—.09	66.9	+0.4	89	24	75	38	2	58	22	60	57	76	7.72	+3.5	15	8,321	s.	46	sw.	11	13	9	9	5.0	
Missouri Valley.							60.6	—1.3										69	5.46	+1.2										5.2	
Columbia, Mo	784	11	84	29.03	29.85	—.09	65.4	+0.9	88	20	76	33	2	55	30	.....	.....	...	6.17	+1.3	15	6,669	s.	52	sw.	28	12	14	5	4.3	
Kansas City	963	116	181	28.81	29.83	—.09	64.3	—0.2	90	20	73	36	2	52	25	58	53	71	5.09	0.0	12	10,613	s.	52	nw.	28	10	15	6	4.8	
Springfield, Mo	1,324	98	104	28.47	29.86	—.07	66.4	+1.8	87	20	76	41	8	57	26	60	57	77	4.66	—0.9	15	8,672	se.	48	nw.	4	21	7	3	2.6	
Iola	984	11	50	28.79	29.82	—.10	66.3	+1.8	88	20	76	38	1	56	36	.....	.....	...	4.31	—0.7	11	6,555	s.	36	se.	13	9	8	14	6.2	
Topeka	.....	85	89	.....	.....	.....	63.4	—1.6	87	20	73	36	2	54	27	.....	.....	...	9.07	+4.2	15	7,712	s.	34	w.	21	16	5	10	4.5	
Lincoln	1,189	11	84	28.56	29.80	—.11	60.5	—2.4	89	16	71	28	2	50	39	54	48	69	5.35	+1.1	18	8,773	se.	46	n.	21	8	12	11	5.5	
Omaha	1,105	115	121	28.66	29.83	—.09	60.8	—1.7	87	20	70	33	2	52	28	54	50	71	6.65	+2.2	16	7,324	se.	36	nw.	21	8	6	17	6.6	
Valentine	2,598	47	54	27.15	29.85	—.05	53.4	—4.5	90	19	66	28	6	41	40	46	40	67	4.78	+1.4	11	9,325	e.	52	nw.	26	12	14	5	4.8	4.5
Sioux City	1,135	96	164	28.63	29.84	—.08	58.6	—2.2	86	19	69	25	2	48	36	.....	.....	...	6.19	+1.8	14	10,700	se.	60	ne.	16	6	15	10	6.0	T.
Pierre	1,572	70	75	28.20	29.86	—.05	56.3	—3.0	90	19	67	29	2	45	38	48	40	60	3.98	+1.8	9	8,815	se.	40	ne.	13	9	12	10	5.6	
Huron	1,306	56	67	28.49	29.88	—.04	54.9	—2.4	87	19	67	24	2	43	40	49	42	66	5.47	+2.6	8	8,733	e.	42	se.	17	11	9	11	5.5	
Yankton	1,238	49	57	28.52	29.83	—.09	57.4	—2.6	88	19	69	25	2	46	40	.....	.....	...	3.84	—0.1	12	6,550	nw.	43	nw.	26	7	8	16	6.5	
Northern Slope.							50.4	—2.6										69	4.50	+2.2										6.0	
Havre	2,505	11	44	27.22	29.82	—.08	55.2	+1.1	86	7	67	30	1	43	40	48	42	68	1.87	—0.2	8	6,750	e.	37	w.	29	8	19	4	4.7	0.0
Miles City	2,371	26	48	27.34	29.88	—.03	54.6	—2.1	80	8	66	26	22	44	39	47	42	70	5.58	+3.6	13	5,762	ne.	40	e.	31	7	15	9	5.7	22.0
Helena	4,110	8	56	25.69	29.87	—.06	49.0	—2.6	82	7	58	34	17	40	38	42	37	68	6.19	+4.2	19	5,344	sw.	37	w.	29	7	6	18	7.1	0.0
Kalispell	2,962	8	34	26.83	29.88	.00	49.1	—1.9	78	6	58	33	19	40	42	43	40	77	4.21	+2.2	19	3,361	w.	29	w.	7	5	9	17	7.0	0.0
Rapid City	3,234	46	50	26.49	29.89	—.01	50.6	—3.6	77	15	61	28	2	40	41	46	40	71	5.46	+2.6	12	2,898	nw.	18	ne.	31	14	9	8	4.9	T.
Cheyenne	6,088	56	64	23.87	29.78	—.07	47.8	—3.2	81	19	60	23	6	36	43	39	31	60	6.19	+3.8	14	8,520	nw.	42	w.	20	8	15	8	5.6	10.8
Lander	5,372	26	36	24.49	29.79	—.09	48.4	—3.6	76	18	61	27	21	36	40	42	35	67	3.66	+0.8	12	3,272	nw.	32	s.	31	5	14	12	6.3	2.0
Sheridan	3,790	9	47	25.95	29.83	.....	50.2	.....	80	7	62	28	21	38	45	44	37	69	6.65	.....	15	6,884	nw.	46	se.	30	9	8	14	5.8	7.5
Yellowstone Park	6,200	11	48	23.74	29.82	—.69	43.3	—4.1	68	6	53	26	21	33	39	36	31	71	3.38	+1.5	17	6,227	nw.	36	s.	18	4	6	21	7.8	7.8
North Platte	2,821	11	51	26.93	29.83	—.05	53.6	—3.4	91	19	68	28	2	43	40	48	41	65	3.95	+0.9	13	6,956	se.	30	nw.	14	14	8	9	4.7	1.6
Middle Slope.							61.6	—1.3										62	4.94	+1.1										4.8	
Denver	5,291	129	186	24.57	29.77	—.07	53.8	—2.9	88	19	66	28	4	41	40	42	31	52	2.82	+0.3	10	6,410	n.	35	sw.	19	5	19	7	5.4	10.0
Leadville	10,248	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pueblo	4,685	80	86	25.12	29.73	—.10	57.9	—1.6	90	31	72	31	6	43	47	43	27	41	0.97	—0.7	5	6,802	se.	46	n.	4	20	7	4	3.1	T.
Concordia	1,398	42	50	28.35	29.81	—.10	61.8	—1.9	91	19	73	33	2	51	34	55	50	70	6.51	+1.8	17	6,550	se.	52	w.	28	6	16	9	5.8	0.0
Dodge	2,509	44	54	27.19	29.75	—.12	64.0	+0.5	96	19	78	34	7	50	41	53	46	62	0.90	—2.4	12	9,470	se.	52	nw.	11	17	9	5	4.0	0.0
Wichita	1,358	90	120	28.41	29.82	—.08	65.3	—0.6	89	20	75	37	7	55	30	58	54	72	9.28	+4.3	14	9,861	s.	56	sw.	11	9	14	8	5.4	
Oklahoma	1,214	10	47	28.54	29.80	—.09	67.0	—1.1	89	19	76	40	7	58	27	61	58	76	9.17	+3.4	12	13,787	s.	62	sw.	13	10	11	10	5.4	0.0
Southern Slope.							70.1	—0.6										52	3.87	+1.0										3.8	
Abilene	1,738	45	54	28.02	29.79	—.08	72.4	+0.5	99	20	84	40	7	61	36	62	55	60	8.38	+4.7	11	7,614	s.	32	w.	23	11	15	5	4.6	
Amarillo	3,676	10	49	26.10	29.75	—.09	63.6	—0.7	91	19	78	34	7	49	43	52	42	56	3.55	—0.1	5	11,050	sw.	40	sw.	3	28	1	2	2.7	
Del Rio	944	8	57	28.83	29.79	—.06	78.2	+1.3	102	21	90	46	1	66	37	.....	.....	...	3.47	+0.5	5	7,248	se.	39	se.	22	14	14	3	3.9	
Roswell	3,578	9	57	26.20	29.77	—.05	66.1	—3.3	93	19	83	36	6	49	49	49	34	40	0.07	—1.1	4	5,497	sw.	32	w.	3	14	13	4	3.9	
Southern Plateau.							61.3	—4.6										35	0.60	0.0										2.3	
El Paso	3,762	110	133	26.06	29.74	—.04	69.2	—2.9	92	30	82	43	4	56	37	48	23	22	0.01	—0.3	1	11,046	w.	60	w.	3	19	10	2	2.5	0.0
Santa Fe	7,013	33	39	23.13	29.71	—.10	51.0	—5.7	76	31	64	28	4	38	34	39	24	37	2.10	+1.0	7	7,371	sw.	39	sw.	3	20	9	2	3.0	1.7
Flagstaff	6,907	8	57	23.24	29.76	—.02	45.3	—5.4	71	29	60	22	3	30	42	36	28	58	1.43	+0.2	6	8,349	sw.	56	sw.	8	20	7	4	3.0	10.0
Phoenix	1,108	50	56	28.64	29.78	.00	71.5	—3.3	97	29	87	48	13	56	38	50	26	23	0.03	0.0	2	4,317	e.	30	sw.	3	24	7	0	1.7	0.0
Yuma	141	9	58	29.64	29.78	—.01	72.5	—4.3	101	25	90	46	9	55	45	54	40	36	0.00	0.0	0	5,817	w.	40	sw.	3	30	1	0	0.6	0.0
Independence	3,910	11	42	25.84	29.79	—.05	58.2	—6.3	85	18	73	32	9	44	39	44	26	32	T.	—0.6	0	7,672	nw.	40	sw.	25	19	9	3	3.1	0.0
Middle Plateau.							50.0	—6.6										51	1.67	+0.5										4.7	
Reno	4,532	56	63	25.39	29.90	—.01	48.7	—4.9	78	24	62	26	9	36	42	39	29	54	0.71	—0.1	7	5,606	w.	36	s.	2	14	11	6	4.2	T.
Tonopah	6,089	12	20	23.96	29.90	.....	47.4	—4.5	73	29	58	24	8	36	33	36	21	40	0.46	—0.9	2	10,099	nw.	52	nw.	25	14	15	2	3.6	5.0
Winnemucca	4,344	18	56	25.52	29.91	.00	48.2	—6.2	79	6	63	21	10	34	44	39	29	56	1.02	0.0	7	4,835	sw.	35	nw.	3	14	11	6	4.6	0.3
Modena	5,479	10	43	24.46	29.77	—.05	48.7	—5.8	75	29	63	27	27	35	41	41	35	63	1.50	+0.1	6	10,860	sw.	60	w.	19	13	11	7	4.8	7.5
Salt Lake City	4,366	105	110	25.46	29.80	—.06	51.8	—6.5	78	1	62	30	9	42	35	43	33	56	5.76	+3.8	13	5,682	se.	38	nw.	19	10	10	11	5.4	3.0
Durango	6,546	18	56	23.52	29.76	—.06	48.6	—6.4	76	30	64	25	4	33	41	36	23	46	1.68	+0.5	6	5,064	nw.	35	sw.	31	13	12	6	4.4	4.9
Grand Junction	4,608	43	51	25.21	29.75	—.08	56.6	—5.0	84	18	70	32	5	44	39	42	25	39	0.56	—0.1	5	5,508	nw.	42	s.	31	8	15	8	5.6	0.0
Northern Plateau.							52.4	—4.5										57	1.57	—0.1										6.1	
Baker City	3,471	48	58	26.36	29.95	—.01	47.3	—3.4	80	6	58	30	13	37	39	40	34	63	1.01	—0.7	10	6,282	n.	29	nw.	31	6	15	10	5.8	0.1
Boise	2,739	78	86	27.06	29.91	—.03	52.6	—5.0	84	6	63	35	16	42	36	43	32	53	1.38	+0.1	9	7,112	nw.	42	sw.	24	6	10	15	6.8	0.0
Lewiston	757	10	51	29.11	29.92	—.04	56.3	—4.5	90	6	68	39	4	45	46	.....	.....	...	1.23	—0.4	11	4,509	e.	42	w.	19	3	9	19	7.4	0.0
Pocatello	4,477	46	54	25.34	29.84	—.05	48.9	—6.6	78	1	59	32	9	39	34	40	32	59	3.96	+1.8	18	7,290	sw.	44	sw.	7	4	19	8	6.0	T.
Spokane	1,929	101	110	27.88	29.93	—.03	52.8	—3.3	84	6	63	38	4	42	41	44	36	58	0.86	—0.8	13	4,735	s.	28	s.	29	9	14	8	5.2	0.0
Walla Walla	1,000	71	79	28.89	29.96	.00	56.4	—4.3	90	6	67	40	30	45	39	46	35	50	0.98	—0.8	9	5,314	s.	27	w.	6	9	12	10	5.5	0.0
N. Pac. Coast Reg.							50.3	—2.9										79	2.86	+0.3										7.5	
Blaine	57	4	....	29.96	30.02	.....	50.8	.....	65	27	59	36	....	42	28	.....	.....	...	2.76	.....	13	.....	w.	.....	.....	.....	.....	.....	.....	.....	.....
North Head	211	11	56	29.34	30.08	+.05	48.6	—2.6	59	23	52	41	11	45	12	46	43	82	3.63	+1.2	24	13,029	nw.	66	se.	1	0	12	19	8.2	0.0
Port Crescent	259	12	29	29.78	30.07	+.05	47.1	—2.0	60	14	54	35	3	40	25	.....	.....	...	1.46	—0.8	17	3,629	nw.	14	ne.	6	4	15	12	6.6	0.0
Seattle	123	185	224	29.34	30.07	+.06	51.6	—3.4	71	23	59	41	8	45	26	49	47	86	3.19	+0.9	15	5,591	s.	35	sw.	1	0	15	16	7.9	0.0
Tacoma	213	113	120	29.80	30.03	+.01	51.0	—3.5	72	23	58	40	17	43	29	47	42	76	2.82	+0.3	17	3,794	sw.	25	sw.	18	6	8	17	7.1	0.0

TABLE 1.—*Climatological data for U. S. Weather Bureau stations, May, 1908*—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 during daylight, tenths.	Total snowfall.
	Barometer above sea level, feet.	Thermometers above ground.	Anemometer above ground.	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hrs.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.				Total.	Departure from normal.	Days with .01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.					
N.P. Coast Reg—Cont.																															
Tatoosh Island	86	7	57	29.94	30.04	+ .03	49.2	— 0.4	62	6	53	43	2	45	15	46	43	81	2.79	— 1.3	17	10,231	s.	50	s.	7	1	5	25	8.7	
Portland, Oreg.	153	68	106	29.90	30.06	+ .03	52.8	— 4.0	77	23	61	38	9	45	33	47	42	72	4.66	+ 2.3	20	4,630	nw.	26	sw.	2	3	8	20	7.3	
Roseburg	510	9	57	29.53	30.09	+ .06	51.8	— 4.2	80	23	63	32	10	40	39	46	41	75	1.47	— 0.6	16	3,023	nw.	21	sw.	2	4	15	12	6.5	
Mid. Pac. Coast Reg.							56.8	— 2.8										67	1.09	— 0.1										3.1	
Eureka	62	62	80	30.05	30.12	+ .07	50.0	— 2.1	63	17	55	39	8	45	18	46	43	81	2.57	0.0	13	8,443	n.	41	n.	26	15	11	5	4.3	
Mount Tamalpais	2,375	11	18	27.52	30.00	.00	50.7	.....	77	23	58	34	2	43	23	45	41	74	1.44	+ 0.5	11	16,559	nw.	76	nw.	20	22	6	3	2.6	
Point Reyes Light	490	7	18	29.45	29.97	.....	49.2	.....	58	17	53	43	9	46	12	.....	.....	...	0.48	.....	6	26,405	nw.	96	nw.	11	21	8	2	2.3	
Red Bluff	332	50	56	29.58	29.94	— .01	61.6	— 4.9	91	28	73	40	16	50	33	50	37	49	1.05	— 0.3	6	6,541	nw.	35	n.	30	15	6	10	4.4	
Sacramento	69	106	117	29.88	29.95	+ .01	61.0	— 1.9	89	24	72	41	15	50	34	52	45	60	0.54	— 0.4	5	7,419	nw.	29	nw.	26	23	6	2	2.4	
San Francisco	155	200	204	29.85	30.02	+ .03	55.4	— 0.1	79	27	62	46	8	48	30	48	44	71	0.76	0.0	6	6,569	w.	27	sw.	28	17	12	2	3.1	
San Jose	141	78	88	29.86	30.01	.....	55.9	— 4.8	87	23	69	37	10	43	43	.....	.....	....	0.67	— 0.1	7	5,659	nw.	31	se.	1	20	10	1	3.1	
Southeast Farallon	30	9	17	30.00	30.03	.....	50.0	.....	57	17	52	46	2	48	9	.....	.....	....	0.60	— 0.2	5	19,442	nw.	58	nw.	29	18	11	2	2.9	
S. Pac. Coast Reg.							59.0	— 2.6										67	0.31	— 0.3										2.6	
Fresno	330	67	70	29.59	29.94	+ .02	63.6	— 4.8	94	24	78	40	8	49	40	51	38	50	0.63	0.0	3	6,284	nw.	24	nw.	18	23	5	3	2.2	
Los Angeles	338	116	123	29.57	29.94	— .01	59.8	— 0.7	77	18	69	45	3	50	29	52	47	70	0.25	— 0.2	1	4,547	sw.	27	sw.	2	19	9	3	3.1	
San Diego	87	94	102	29.86	29.95	.00	57.4	— 3.4	68	18	62	47	9	53	18	52	49	75	0.16	— 0.2	1	5,264	w.	28	w.	2	26	4	1	2.4	
San Luis Obispo	201	47	54	29.80	30.02	+ .02	55.2	— 1.5	86	23	66	36	3	44	43	48	43	73	0.21	— 0.7	3	5,577	nw.	26	w.	7	20	11	0	2.8	
West Indies.																															
Grand Turk	11	6	20	30.01	30.02	+ .02	80.8	.....	89	20	86	68	22	75	.....	.....	.....	....	5.00	.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	
San Juan	82	48	90	29.92	30.01	+ .02	79.4	.....	90	10	85	71	23	74	16	73	70	75	2.63	— 2.0	9	3,069	se.	33	se.	25	8	15	8	5.2	
Panama.																															
Christobal	74	.....	.....	29.84	29.86	.....	78.8	.....	89	31	83	71	15	74	17	76	75	90	22.49	.....	28	4,950	n.	36	n.	19	4	10	17	7.0	
Bas Obispo	40	.....	.....	29.69	29.86	.....	78.8	.....	91	7	85	68	15	72	20	74	74	94	13.16	.....	28	2,726	nw.	19	nw.	3	0	10	21	8.0	
Ancon	.....	.....	.....	29.78	29.85	.....	80.2	.....	93	26	87	71	14	73	18	75	74	88	7.64	.....	21	4,742	nw.	25	sw.	27	0	15	16	7.0	
Alhajuela	.....	.....	.....	.....	.....	.....	79.6	.....	90	9	87	60	10	71	27	.....	.....	....	19.72	.....	26	1,094	ne.	18	n.	29	.....	.....	.....	.....	
Bohio	.....	.....	.....	.....	.....	.....	79.3	.....	90	20	86	69	20	73	21	.....	.....	....	18.59	.....	25	1,323	e.	12	nw.	17	.....	.....	.....	.....	
Gatun	.....	.....	.....	.....	.....	.....	79.0	.....	90	7	86	70	15	72	19	.....	.....	....	17.30	.....	29	2,739	s.	23	n.	25	.....	.....	.....	.....	

TABLE II.—*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 0.80 inch in 1 hour, during May, 1908, at all stations furnished with self-registering gages.*

Stations.	Date.	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Abilene, Tex.	22	7:55 p. m.	10:45 p. m.	4.45	8:53 p. m.	9:40 p. m.	0.02	0.35	0.52	0.82	1.06	1.42	1.77	2.10	2.41	2.56	2.60	2.70	3.17	4.17	4.42
Do	23-24	6:35 p. m.	7:10 a. m.	1.28	7:50 p. m.	8:15 p. m.	0.10	0.15	0.34	0.42	0.69	0.75	.....	.....	.....	.....	.....	.....	.....	.....	.....
Albany, N. Y.	29	6:10 p. m.	7:35 p. m.	0.97	6:16 p. m.	6:32 p. m.	0.01	0.48	0.80	0.91	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Alpena, Mich.	30	1:53 p. m.	5:00 p. m.	1.07	1:54 p. m.	2:24 p. m.	T.	0.20	0.35	0.37	0.41	0.47	0.54	.....	.....	.....	.....	.....	.....	.....	.....
					3:51 p. m.	4:09 p. m.	0.59	0.09	0.17	0.32	0.41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Amarillo, Tex.	22	7:30 a. m.	3:34 p. m.	1.79	8:31 a. m.	9:09 a. m.	0.07	0.15	0.36	0.38	0.40	0.44	0.73	0.88	0.93	.....	.....	.....	.....	.....	.....
Anniston, Ala.	5	5:39 a. m.	6:35 p. m.	1.31	5:39 a. m.	5:58 a. m.	0.00	0.23	0.30	0.36	0.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Atlanta, Ga.	29	1:48 p. m.	4:50 p. m.	0.79	2:13 p. m.	2:33 p. m.	0.08	0.07	0.20	0.37	0.43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Atlantic City, N. J.	14-15	D. N., 14th.	D. N., 15th.	1.16	[a]11:34 p. m.	[b]12:15 a. m.	0.43	0.07	0.21	0.30	0.35	0.42	0.51	0.56	0.62	0.67	.....	.....	.....	.....	.....
Bentonville, Ark.	4	10:45 a. m.	1:10 p. m.	1.04	11:08 a. m.	11:38 a. m.	0.06	0.13	0.22	0.27	0.31	0.57	0.67	.....	.....	.....	.....	.....	.....	.....	.....
Binghamton, N. Y.	30	5:55 p. m.	8:45 p. m.	1.09	6:51 p. m.	7:26 p. m.	0.28	0.05	0.31	0.46	0.59	0.66	0.71	0.76	.....	.....	.....	.....	.....	.....	.....
Birmingham, Ala.	5	4:16 a. m.	4:35 p. m.	2.56	4:42 a. m.	5:12 a. m.	0.03	0.06	0.13	0.30	0.43	0.48	0.52	.....	.....	.....	.....	.....	.....	.....	.....
Do	26	1:06 p. m.	2:35 p. m.	0.76	1:18 p. m.	1:38 p. m.	0.01	0.05	0.23	0.47	0.63	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Block Island, R. I.	22	8:25 p. m.	10:20 p. m.	0.94	9:08 p. m.	9:48 p. m.	0.10	0.20	0.28	0.32	0.38	0.41	0.53	0.66	0.72	.....	.....	.....	.....	.....	.....
Do	23	3:30 a. m.	7:15 a. m.	1.07	5:47 a. m.	6:37 a. m.	0.06	0.23	0.48	0.66	0.75	0.77	0.79	0.81	0.86	0.90	0.95	.....	.....	.....	.....
Cairo, Ill.	4-5	9:50 p. m.	D. N., a. m.	1.79	10:51 p. m.	11:32 p. m.	0.02	0.21	0.33	0.45	0.63	0.88	1.09	1.15	1.20	1.24	.....	.....	.....	.....	.....
Cape Henry, Va.	30	7:12 p. m.	8:20 p. m.	0.57	7:14 p. m.	7:30 p. m.	0.01	0.18	0.35	0.47	0.51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Charleston, S. C.	17	7:28 p. m.	10:20 p. m.	0.62	7:55 p. m.	8:10 p. m.	0.10	0.09	0.27	0.38	0.41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chicago, Ill.	28	4:45 a. m.	8:18 a. m.	0.80	6:14 a. m.	6:23 a. m.	0.11	0.14	0.41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		7:12 p. m.	10:11 p. m.	0.81	7:38 p. m.	7:58 p. m.	0.03	0.10	0.26	0.38	0.49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cincinnati, Ohio	25	3:31 p. m.	4:05 p. m.	0.82	3:34 p. m.	3:54 p. m.	0.01	0.24	0.49	0.68	0.79	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Columbia, Mo.	5-6	5:35 p. m.	D. N., 6th.	0.87	7:38 p. m.	7:58 p. m.	0.04	0.16	0.32	0.54	0.62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do	21	2:15 p. m.	2:58 p. m.	0.74	2:20 p. m.	2:40 p. m.	0.03	0.10	0.22	0.41	0.68	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do	28	2:18 p. m.	3:04 p. m.	0.92	2:28 p. m.	2:48 p. m.	0.02	0.31	0.61	0.76	0.86	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Columbia, S. C.	23	4:50 p. m.	6:10 p. m.	0.87	4:56 p. m.	5:45 p. m.	0.01	0.08	0.21	0.33	0.45	0.59	0.68	0.72	0.75	0.77	0.86	.....	.....	.....	.....
Concordia, Kans.	20-21	9:23 p. m.	4:00 a. m.	1.67	12:19 a. m.	12:44 a. m.	0.98	0.25	0.32	0.37	0.43	0.48	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do	27	7:10 p. m.	9:18 p. m.	1.39	8:12 p. m.	8:50 p. m.	0.28	0.10	0.26	0.39	0.46	0.62	0.78	0.91	1.05	.....	.....	.....	.....	.....	.....
Corpus Christi, Tex.	14-15	7:31 p. m.	12:15 a. m.	2.02	8:25 p. m.	9:45 p. m.	0.02	0.05	0.17	0.31	0.37	0.44	0.60	0.80	0.91	1.06	1.18	1.46	1.61	.....	.....
Del Rio, Tex.	23-24	11:55 p. m.	2:15 a. m.	1.87	12:03 a. m.	12:33 a. m.	0.04	0.32	0.75	1.17	1.38	1.52	1.64	.....	.....	.....	.....	.....	.....	.....	.....
Des Moines, Iowa	12-13	8:05 p. m.	12:25 a. m.	1.52	8:59 p. m.	9:16 p. m.	0.32	0.17	0.32	0.44	0.45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do	24-25	9:03 p. m.	4:15 a. m.	1.12	9:32 p. m.	10:06 p. m.	0.14	0.17	0.22	0.28	0.30	0.41	0.52	0.59	.....	.....	.....	.....	.....	.....	.....
Do	25	2:10 p. m.	3:25 p. m.	0.76	2:13 p. m.	2:42 p. m.	0.01	0.08	0.26	0.42	0.44	0.59	0.69	.....	.....	.....	.....	.....	.....	.....	.....
Detroit, Mich.	26	2:25 p. m.	3:45 p. m.	0.66	2:36 p. m.	2:53 p. m.	0.01	0.24	0.33	0.45	0.55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dubuque, Iowa	25-26	10:32 p. m.	D. N., 26th.	0.80	10:40 p. m.	11:20 p. m.	T.	0.18	0.39	0.47	0.55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Evansville, Ind.	6	3:05 p. m.	7:16 p. m.	1.80	3:10 p. m.	3:30 p. m.	0.01	0.45	0.72	0.79	0.86	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
					4:00 p. m.	4:15 p. m.	1.07	0.14	0.33	0.42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do	22	12:27 a. m.	8:47 a. m.	2.82	12:55 a. m.	2:05 a. m.	0.12	0.08	0.17	0.25	0.31	0.33	0.43	0.45	0.46	0.49	0.61	1.17	1.47	.....	.....
Fort Smith, Ark.	12-13	5:05 p. m.	D. N., 13th.	2.70	6:08 p. m.	6:42 p. m.	0.04	0.15	0.26	0.35	0.46	0.80	1.03	1.14	.....	.....	.....	.....	.....	.....	.....
Do	13	1:57 p. m.	8:21 p. m.	2.47	2:09 p. m.	3:16 p. m.	0.02	0.09	0.21	0.29	0.34	0.39	0.50	0.57	0.62	0.72	0.79	0.98	1.08	.....	.....
Do	22	2:15 a. m.	4:30 a. m.	0.93	2:56 a. m.	3:21 a. m.	0.03	0.10	0.27	0.61	0.73	0.82	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fort Worth, Tex.	13	10:12 a. m.	1:55 p. m.	1.70	12:22 p. m.	1:14 p. m.	0.03	0.13	0.19	0.36	0.43	0.49	0.78	1.15	1.40	1.53	1.61	.....	.....	.....	.....
Do	23	4:20 p. m.	9:10 p. m.	3.40	4:35 p. m.	6:16 p. m.	0.02	0.19	0.30	0.42	0.55	0.66	0.75	1.04	1.24	1.44	1.60	1.95	2.37	2.94	.....
Do	23-24	10:55 p. m.	11:30 a. m.	3.47	6:00 a. m.	6:30 a. m.	1.90	0.10	0.23	0.34	0.45	0.57	0.63	.....	.....	.....	.....	.....	.....	.....	.....
Galveston, Tex.	24	3:10 p. m.	5:15 p. m.	1.78	3:13 p. m.	4:00 p. m.	0.01	0.32	0.62	0.82	0.89	1.12	1.25	1.40	1.52	1.56	1.59	.....	.....	.....	.....
Hartford, Conn.	30	1:45 p. m.	D. N., p. m.	2.54	7:20 p. m.	8:42 p. m.	0.93	0.09	0.17	0.22	0.30	0.37	0.46	0.54	0.62	0.70	0.75	0.92	1.15	1.27	.....
Hatteras, N. C.	21	5:05 p. m.	9:35 p. m.	2.20	7:05 p. m.	7:53 p. m.	0.37	0.08	0.17	0.33	0.37	0.41	0.51	0.72	0.88	1.00	1.10	.....	.....	.....	.....
Do	22	12:25 a. m.	5:35 a. m.	2.17	1:28 a. m.	2:25 a. m.	0.24	0.13	0.23	0.24	0.31	0.55	0.72	0.93	0.96	1.01	1.24	1.39	.....	.....	.....
Havre, Mont.	25	2:25 p. m.	4:30 p. m.	0.58	3:10 p. m.	3:23 p. m.	0.13	0.17	0.36	0.42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Huron, S. Dak.	13-14	4:25 p. m.	5:40 a. m.	3.43	5:13 p. m.	6:48 p. m.	0.10	0.09	0.15	0.26	0.37	0.58	0.77	0.79	0.86	0.92	0.96	1.14	1.58	1.83	.....
Iola, Kans.	4	2:05 a. m.	6:00 a. m.	1.07	2:15 a. m.	2:50 a. m.	0.05	0.09	0.21	0.29	0.40	0.47	0.52	0.58	.....	.....	.....	.....	.....	.....	.....
Jupiter, Fla.	6	3:50 p. m.	7:20 p. m.	1.55	4:03 p. m.	5:03 p. m.	0.02	0.06	0.16	0.39	0.56	0.78	0.94	1.11	1.16	1.18	1.20	1.29	.....	.....	.....
Keokuk, Iowa	3-4	2:15 p. m.	11:15 a. m.	1.95	6:04 a. m.	6:16 a. m.	1.00	0.23	0.46	0.51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do	12	5:50 p. m.	8:20 p. m.	0.94	7:39 p. m.	8:01 p. m.	0.13	0.20	0.34	0.42	0.71	0.78	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do	18	1:45 a. m.	5:50 a. m.	0.74	1:48 a. m.	2:03 a. m.	0.01	0.22	0.34	0.51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

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

Stations.	Date.	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Keokuk, Iowa	27-28	11:15 p.m.	4:45 a.m.	2.07	11:26 p.m.	11:39 p.m.	0.03	0.23	0.46	0.52											
					12:09 a.m.	12:37 a.m.	0.68	0.13	0.34	0.47	0.55	0.62	0.68								
Knoxville, Tenn	19	11:45 a.m.	2:00 p.m.	0.86	12:47 p.m.	12:59 p.m.	0.01	0.32	0.69	0.76											
La Crosse, Wis	29	2:27 p.m.	3:45 p.m.	1.42	2:52 p.m.	3:35 p.m.	0.11	0.18	0.30	0.31	0.32	0.34	0.40	0.71	1.19	1.30					
Little Rock, Ark	4	6:00 p.m.	9:45 p.m.	1.36	6:20 p.m.	7:28 p.m.	0.02	0.06	0.09	0.18	0.34	0.54	0.63	0.68	0.75	0.89	1.03	1.14	1.30		
Louisville, Ky	6	3:28 p.m.	5:25 p.m.	1.01	4:30 p.m.	4:50 p.m.	0.31	0.13	0.22	0.41	0.67										
Lynchburg, Va	21	12:10 p.m.	1:05 p.m.	0.63	12:19 p.m.	12:40 p.m.	T.	0.29	0.39	0.44	0.49	0.53									
Macon, Ga	18	8:36 p.m.	D. N.	1.38	8:38 p.m.	9:18 p.m.	0.01	0.32	0.69	0.88	0.97	1.07	1.11	1.14	1.22						
Madison, Wis	18	5:35 a.m.	7:05 a.m.	0.70	5:48 a.m.	6:03 a.m.	0.01	0.18	0.52	0.58											
Do	25	7:01 p.m.	8:05 p.m.	0.79	7:03 p.m.	7:48 p.m.	0.01	0.13	0.26	0.37	0.41	0.41	0.43	0.47	0.64	0.77					
Memphis, Tenn	4-5	8:50 p.m.	D. N. a.m.	1.10	10:34 p.m.	10:53 p.m.	0.03	0.19	0.37	0.57	0.64										
Do	25	1:00 p.m.	1:22 p.m.	0.69	1:08 p.m.	1:22 p.m.	0.03	0.20	0.56	0.66											
Meridian, Miss	5	6:35 a.m.	2:20 p.m.	4.04	8:03 a.m.	8:41 a.m.	0.18	0.37	0.83	0.99	1.11	1.27	1.43	1.55	1.62						
					9:50 a.m.	10:17 a.m.	2.20	0.44	0.90	1.10	1.22	1.32	1.37								
Milwaukee, Wis	25	1:55 p.m.	2:28 p.m.	0.67	2:03 p.m.	2:23 p.m.	0.05	0.22	0.42	0.53	0.58										
Minneapolis, Minn	27	1:48 a.m.	5:10 a.m.	1.28	2:16 a.m.	2:46 a.m.	0.18	0.23	0.34	0.39	0.46	0.53	0.67								
					3:22 a.m.	3:30 a.m.	0.91	0.17	0.31												
Mobile, Ala	5-6	1:30 p.m.	D. N. a.m.	3.50	2:49 p.m.	4:42 p.m.	0.26	0.07	0.15	0.24	0.32	0.39	0.54	0.74	1.05	1.16	1.23	1.49	1.92	2.15	2.35
Montgomery, Ala	29-30	10:50 p.m.	D. N. a.m.	1.44	11:21 p.m.	12:07 a.m.	0.02	0.08	0.15	0.23	0.35	0.60	0.85	1.13	1.35	1.39	1.41				
New Haven, Conn	30	3:50 p.m.	10:20 p.m.	2.38	4:40 p.m.	5:20 p.m.	0.22	0.05	0.11	0.17	0.27	0.40	0.53	0.68	0.75						
					6:15 p.m.	6:45 p.m.	1.16	0.08	0.14	0.24	0.32	0.44	0.51								
New Orleans, La	5	3:39 p.m.	8:45 p.m.	2.14	5:50 p.m.	7:07 p.m.	0.24	0.15	0.25	0.29	0.35	0.40	0.43	0.51	0.69	0.73	0.85	1.00	1.30		
New York, N. Y	7	4:20 a.m.	11:40 p.m.	4.16	2:56 p.m.	3:56 p.m.	1.90	0.15	0.21	0.25	0.32	0.35	0.38	0.40	0.43	0.45	0.49	0.81			
Norfolk, Va	19	9:25 a.m.	10:50 a.m.	0.70	9:29 a.m.	9:37 a.m.	0.01	0.26	0.49												
Do	30	7:05 p.m.	7:50 p.m.	0.60	7:18 p.m.	7:37 p.m.	0.04	0.07	0.24	0.44	0.53										
Oklahoma, Okla	13	8:50 a.m.	10:00 a.m.	0.60	8:56 a.m.	9:11 a.m.	0.01	0.14	0.32	0.45											
Do	22-23	5:20 p.m.	4:00 a.m.	2.76	5:44 p.m.	6:19 p.m.	0.01	0.05	0.10	0.19	0.44	0.76	0.90	0.95							
Do	23-24	7:45 a.m.	D. N. a.m.	4.21	10:35 a.m.	11:10 a.m.	0.18	0.07	0.11	0.17	0.34	0.51	0.64	0.74							
					12:38 p.m.	1:18 p.m.	1.15	0.06	0.27	0.33	0.38	0.57	0.66	0.74	0.81						
Omaha, Nebr	12	4:20 p.m.	6:30 p.m.	1.16	5:02 p.m.	6:12 p.m.	0.02	0.05	0.14	0.21	0.27	0.34	0.49	0.61	0.64	0.70	0.72	0.86	1.14		
Oswego, N. Y	26	12:07 p.m.	12:41 p.m.	0.59	12:21 p.m.	12:30 p.m.	0.01	0.39	0.49												
Palestine, Tex	13	3:46 p.m.	11:00 p.m.	4.82	4:09 p.m.	4:59 p.m.	0.06	0.05	0.22	0.46	0.60	0.60	0.65	0.67	0.72	0.83	0.94				
					4:59 p.m.	5:49 p.m.		1.30	1.65	1.98	2.46	2.49	2.65	2.74	2.87	3.01	3.07				
					5:49 p.m.	6:39 p.m.		3.23	3.40	3.67	3.79	3.89	3.95	4.02	4.16	4.24	4.34				
Do	17	3:30 a.m.	6:05 a.m.	0.84	3:43 a.m.	4:08 a.m.	0.01	0.16	0.36	0.55	0.61	0.66									
Peoria, Ill	21	5:30 p.m.	D. N. p.m.	0.71	5:38 p.m.	6:03 p.m.	0.01	0.07	0.20	0.31	0.44	0.52									
Philadelphia, Pa	6-7	9:45 p.m.	7:47 p.m.	2.70	6:17 p.m.	6:47 p.m.	1.72	0.18	0.43	0.52	0.69	0.75	0.80								
Do	22	4:45 p.m.	6:20 p.m.	1.06	5:06 p.m.	5:23 p.m.	0.01	0.15	0.34	0.98	1.03										
Portland, Me	30-31	8:03 p.m.	3:30 a.m.	1.64	10:25 p.m.	11:00 p.m.	0.37	0.06	0.18	0.29	0.49	0.69	0.70	0.78							
Rapid City, S. Dak	26	3:50 p.m.	7:15 p.m.	0.97	4:00 p.m.	4:24 p.m.	0.02	0.18	0.33	0.41	0.48	0.53									
Do	31-1‡	7:50 p.m.	8:35 a.m.	2.04	10:16 p.m.	10:47 p.m.	0.46	0.05	0.18	0.33	0.43	0.46	0.56	0.60							
Richmond, Va	18	2:49 p.m.	3:36 p.m.	0.53	2:58 p.m.	3:23 p.m.	0.01	0.15	0.29	0.39	0.44	0.54									
Do	19	4:00 a.m.	6:12 a.m.	1.17	4:02 a.m.	5:12 a.m.	0.01	0.06	0.11	0.15	0.24	0.29	0.46	0.57	0.58	0.63	0.65	0.82	1.04		
Do	20	2:10 p.m.	6:18 p.m.	1.41	2:36 p.m.	2:58 p.m.	0.06	0.11	0.27	0.75	1.03	1.13									
St. Louis, Mo	5	8:25 p.m.	D. N. p.m.	1.14	8:31 p.m.	9:16 p.m.	0.01	0.10	0.15	0.17	0.23	0.46	0.71	0.76	0.89	0.97					
Do	27	11:41 a.m.	1:45 p.m.	1.14	11:52 a.m.	12:42 p.m.	0.01	0.05	0.12	0.20	0.37	0.60	0.72	0.80	0.86	0.97	1.02				
San Antonio, Tex	25	7:35 a.m.	11:56 a.m.	0.91	10:53 a.m.	11:53 a.m.	0.07	0.08	0.20	0.28	0.34	0.39	0.43	0.45	0.50	0.57	0.71	0.83			
Do	30	12:30 a.m.	2:25 a.m.	1.84	12:43 a.m	1:23 a.m.	0.05	0.07	0.16	0.33	0.73	1.09	1.25	1.42	1.47						
San Juan, P. R.	25	3:20 p.m.	8:20 p.m.	1.18	5:07 p.m.	5:40 p.m.	0.08	0.10	0.18	0.27	0.42	0.60	0.67	0.70							
Savannah, Ga	30	3:47 p.m.	6:15 p.m.	0.90	3:56 p.m.	4:40 p.m.	0.01	0.07	0.13	0.20	0.23	0.31	0.43	0.62	0.73	0.77					
Shreveport, La	13	1:00 a.m.	10:00 a.m.	6.53	1:58 a.m.	2:58 a.m.	0.04	0.23	0.41	0.51	0.52	0.75	0.97	1.02	1.14	1.36	1.57				
					4:04 a.m.	4:48 a.m.	1.68	0.23	0.47	0.84	1.25	1.55	1.81	2.23	2.43	2.52	2.72	3.15	3.61	3.97	4.09
Do	13-14	7:20 p.m.	6:40 a.m.	1.93	7:33 p.m.	8:10 p.m.	0.01	0.06	0.17	0.39	0.62	0.71	0.93	1.02	1.06						
Springfield, Ill	21	5:40 p.m.	8:30 p.m.	1.38	5:58 p.m.	6:42 p.m.	0.06	0.19	0.34	0.60	0.77	0.93	1.04	1.08	1.17	1.22					
Tampa, Fla	4	6:45 p.m.	9:40 p.m.	1.39	6:50 p.m.	7:25 p.m.	T.	0.27	0.53	0.80	0.92	1.07	1.18	1.23							
Taylor, Tex.	17	6:05 a.m.	8:10 a.m.	1.41	6:40 a.m.	7:40 a.m.	T.	0.08	0.21	0.30	0.43	0.64	0.71	0.80	1.00	1.11	1.15	1.30			
Do	23-24	11:45 p.m.	10:30 a.m	4.53	11.55 p.m.	3:05 a.m.	0.01	0.10	0.19	0.22	0.30	0.46	0.53	0.56	0.62	0.69	0.71				
								0.81	0.88	0.98	1.03	1.08	1.13	1.15	1.24	1.31	1.32				
								1.33	1.37	1.51	1.60	1.64	1.70	1.78	1.86	1.97	2.01				
								2.08	2.14	2.21	2.27	2.32	2.51	2.60	2.68						
Thomasville, Ga	5-6	7:58 p.m.	12:20 p.m.	2.86	9:03 p.m.	9:36 p.m.	0.16	0.20	0.29	0.41	0.52	0.89	1.15	1.26							
Topeka, Kans	13	1:15 p.m.	2:15 p.m.	0.64	1:21 p.m.	1:36 p.m.	0.01	0.29	0.47	0.57											
Vicksburg, Miss	5	D. N.	6:25 a.m.	3.38	3:02 a.m.	3:52 a.m.	0.30	0.15	0.29	0.37	0.55	0.65	0.81	0.92	1.06	1.18	1.27				
					3:52 a.m.	4:42 a.m.		1.36	1.54	1.72	1.80	1.85	1.86	1.88	1.91	2.05	2.19				
					4:42 a.m.	5:28 a.m.		2.26	2.37	2.53	2.59	2.66	2.72	2.81	2.91	2.95	3.00				
Washington, D. C	20	2:38 p.m.	3:35 p.m.	1.04	2:42 p.m.	3:40 p.m.	0.03	0.07	0.18	0.23	0.24	0.25	0.30	0.35	0.44	0.67	0.84	0.99			
Do	30	6:20 p.m.	8:15 p.m.	0.57	6:25 p.m.	6:37 p.m.	0.01	0.27	0.56	0.62											
Wichita, Kans	11	12:10 a.m.	1:30 a.m.	0.92	12:21 a.m.	12:50 a.m.	0.02	0.12	0.25	0.46	0.66	0.82	0.89								
Do	31-1‡	12:40 p.m.	D. N.	3.70	4:48 p.m.	5:38 p.m.	1.22	0.27	0.43	0.66	1.00	1.22	1.32	1.41	1.46	1.50	1.57				
Wilmington, N. C	6	12:50 p.m.	3:15 p.m.	0.68	2:37 p.m.	2:54 p.m.	0.16	0.09	0.15	0.39	0.51										
Do	20	6:44 p.m.	8:02 p.m.	0.72	7:03 p.m.	7:22 p.m.	T.	0.12	0.29	0.52	0.68										

* Self-register not working. † Estimated. ‡ June 1. [a] 14th. [b] 15th.

DESCRIPTION OF TABLES AND CHARTS.

By Mr. P. C. DAY, Assistant Chief, Division of Meteorological Records.

For description of tables and charts see page 8 of REVIEW for January, 1908.