

in places was torrential. A report from the French S.S. *San Diego* said that on the 14th, "about 25 miles off the coasts of Guatemala and Salvador numerous big trees were met", which it was believed by the observer, were uprooted and washed to sea as a result of the disturbed conditions of the preceding week.

Fog.—The percentage of days with fog was below the normal for the month over most parts of the ocean. The American coast had less fog in June 1934 than in any previous month since December 1932. There were 2

days with fog off the southern end of Lower California, and 1 day with fog noted along the entire coast northward to Alaska. Along the northern shipping routes, between 135° W. and Japan, there were 3 to 7 or more days with fog in individual 5-degree squares, with the greatest number occurring south and east of the Kuril Islands. Over the western half of the central trans-Pacific routes fog diminished southward to the vanishing point at about 25° N.

CLIMATOLOGICAL TABLES ¹

CONDENSED CLIMATOLOGICAL SUMMARY

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

The mean temperature 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 temperatures and precipitation are based only on records from stations that have 10 or more years of observations. Of course, the number of such records is smaller than the total number of stations.

Condensed climatological summary of temperature and precipitation by sections, June 1934

[For description of tables and charts, see REVIEW, January, p. 37]

Section	Temperature								Precipitation					
	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.....	80.1	+1.8	Decatur.....	105	27	St. Bernard.....	52	21	4.79	+0.46	Centerville.....	10.20	Lock No. 3.....	1.29
Arizona.....	73.8	-4.3	5 stations.....	114	29	Fort Valley.....	22	7	.19	-0.12	Sacaton.....	.75	14 stations.....	.00
Arkansas.....	81.1	+4.0	Ozark.....	108	30	Dutton.....	49	20	2.88	-1.11	Hot Springs.....	6.71	Jonesboro.....	.70
California.....	65.6	-2.5	Greenland Ranch.....	122	30	Twin Lakes.....	20	3	.74	+4.41	Shield's Ranch.....	4.58	9 stations.....	.00
Colorado.....	64.3	+2.8	Las Animas.....	106	8	Hermit.....	16	8	.94	-.47	Sedgwick.....	5.40	Fruita.....	.06
Florida.....	80.2	+4	Mount Pleasant.....	103	21	2 stations.....	59	1	10.22	+3.52	St. Leo.....	24.26	Pensacola.....	1.25
Georgia.....	79.6	+1.5	Washington.....	103	26	Blairsville.....	49	12	5.08	+64	Clayton.....	14.20	Louisville.....	1.23
Idaho.....	60.5	+2	Orofino.....	102	11	Warren.....	21	1	1.48	+26	Moscow.....	4.15	Richfield.....	.12
Illinois.....	78.8	+7.1	2 stations.....	108	28	Mount Carroll.....	45	13	3.03	-1.03	Galesburg.....	6.28	Grand Chain.....	.70
Indiana.....	77.5	+6.0	Collegeville.....	109	1	2 stations.....	43	14	3.55	-.26	Washington.....	9.34	Howe.....	.97
Iowa.....	77.2	+7.6	Lamoni.....	111	29	Boone (near).....	43	12	3.49	-1.12	Akron.....	9.13	Ames.....	1.24
Kansas.....	80.5	+6.7	3 stations.....	110	23	Oberlin.....	47	18	2.73	-1.24	Alton.....	7.14	Deerfield (near).....	.32
Kentucky.....	77.4	+3.5	2 stations.....	105	28	4 stations.....	50	13	4.58	+46	Hopkinsville.....	8.15	Whitesburg.....	.76
Louisiana.....	81.8	+1.8	5 stations.....	103	19	2 stations.....	60	1	4.80	+15	Franklin.....	15.73	Natchitoches.....	.01
Maryland-Delaware.....	74.7	+3.9	Baltimore, Md.....	105	29	Oakland, Md.....	42	15	3.25	-.70	Franksville, Md.....	5.84	Brighthelm, Del.....	1.36
Michigan.....	68.3	+4.7	Houghton Lake.....	107	1	Munising.....	30	7	2.18	-.94	Cooke Site.....	5.22	Adrian.....	.63
Minnesota.....	67.4	+2.4	New London.....	108	27	2 stations.....	34	17	4.02	-.03	Red Lake Falls.....	7.57	Zumbrota.....	1.90
Mississippi.....	81.0	+2.2	Columbus.....	103	26	3 stations.....	57	13	5.65	+1.48	Cleveland.....	11.44	Bay St. Louis.....	1.38
Missouri.....	80.4	+6.8	4 stations.....	108	23	Goodland.....	47	19	2.85	-1.90	Caruthersville.....	5.95	Farmington.....	.23
Montana.....	60.2	+4	Mildred.....	102	26	Conways Ranch.....	24	2	2.99	+47	Babb (near).....	7.55	Sarpy Creek.....	.30
Nebraska.....	74.9	+5.9	Falls City.....	109	29	2 stations.....	37	19	3.07	-.69	Hartington.....	6.52	North Loup.....	.68
Nevada.....	63.0	-1.3	Logandale.....	116	30	Zorra Vista Ranch.....	19	3	.91	+41	Marlette Lake.....	2.45	2 stations.....	.00
New England.....	65.2	+1.4	Waterbury, Conn.....	101	29	Pittsburg, N.H.....	26	8	4.49	+1.13	Adams, Mass.....	7.41	Lakeport, N.H.....	2.08
New Jersey.....	72.6	+3.8	Belvidere.....	103	29	Layton.....	38	8	3.68	-.03	Long Valley.....	6.41	Northfield.....	1.64
New Mexico.....	69.8	+9	Oro Grande.....	112	11	Horse Springs.....	18	7	.52	-.73	Fort Sumner.....	2.13	4 stations.....	.00
New York.....	68.4	+3.5	Geneva.....	102	2	Indian Lake.....	25	8	3.54	-.09	Bainbridge.....	7.18	Fredonia.....	1.44
North Carolina.....	76.1	+2.2	High Point.....	105	28	Banners Elk.....	43	15	4.89	+15	Highlands.....	13.63	Manteo.....	1.14
North Dakota.....	64.3	+1.8	Hankinson.....	100	2	Garrison.....	29	11	3.04	-.41	Wahpeton.....	5.52	Powers Lake.....	1.09
Ohio.....	76.0	+6.5	Germantown.....	108	29	Millport.....	43	14	3.52	-.25	Mt. Vernon (near).....	7.47	Catawba Island.....	.88
Oklahoma.....	82.6	+5.4	Hollis.....	113	22	Kenton.....	48	8	2.45	-1.32	Camargo.....	6.90	Waurika.....	.24
Oregon.....	59.8	+3	Arlington.....	105	11	Lake.....	20	4	1.63	+31	Cove.....	4.84	Big Eddy.....	.00
Pennsylvania.....	72.9	+5.0	Marcus Hook.....	104	30	Brookville.....	35	8	3.64	-.54	Coatesville.....	6.15	Catawissa.....	1.12
South Carolina.....	78.9	+1.5	2 stations.....	103	23	Long Creek.....	52	14	4.92	+15	Newberry.....	12.05	Beaufort (near).....	1.04
South Dakota.....	70.5	+3.9	Sisseton.....	105	2	Clark.....	37	11	3.35	-.19	Vermillion.....	7.87	Wood.....	.83
Tennessee.....	77.5	+2.8	2 stations.....	103	26	Erwin.....	39	1	6.25	+1.01	Cedar Hill.....	12.08	Tiptonville.....	1.57
Texas.....	83.9	+3.7	Snyder.....	114	20	3 stations.....	52	1	.81	-2.39	Clarendon.....	3.85	24 stations.....	.00
Utah.....	63.9	-6	St. George.....	108	30	Soldier Summit.....	23	2	.61	-.06	Ogden.....	1.81	Loa.....	T
Virginia.....	75.5	+3.9	Lincoln.....	107	29	Burkes Garden.....	38	14	3.63	-.63	Stuart.....	7.72	Emporia.....	1.67
Washington.....	61.8	+1.4	3 stations.....	105	11	2 stations.....	25	2	.67	-.92	Mount Baker Lodge.....	3.83	White Swan.....	.00
West Virginia.....	74.3	+4.7	Martinsburg.....	106	29	3 stations.....	41	13	3.45	-.90	Pickens.....	6.78	Martinsburg.....	1.36
Wisconsin.....	60.2	+4.0	2 stations.....	106	1	Cornucopia.....	32	7	4.02	-.01	Nellsville.....	8.15	Milwaukee (Airport).....	1.46
Wyoming.....	59.8	+1.2	Colony.....	100	26	South Pass City.....	18	2	1.83	+21	Bechler River.....	5.50	Riverton.....	.20
Alaska (May).....	42.6	-2	Wrangell.....	82	22	Kotzebue.....	0	6	1.73	+14	Cordova.....	16.38	Barrow.....	T
Hawaii.....	74.5	+1.0	Hahione Valley.....	93	17	Kanalohuluhulu.....	50	1	7.36	+2.45	Puohakamoa No. 2.....	38.00	4 stations.....	.00
Puerto Rico.....	79.7	-6	Manati.....	96	7	Guineo Reservoir.....	48	18	4.42	-1.82	Coloso.....	14.60	Morovis.....	1.25

¹ Other dates also.

TABLE 1.—Climatological data for Weather Bureau stations, June 1934

[Compiled by Annie E. Small]

District and station	Elevation of instruments			Pressure			Temperature of the air										Precipitation			Wind					Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month		
	Barometer above sea level	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. + 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	Total	Departure from normal	Days with 0.01, or more	Total movement	Prevailing direction	Maximum velocity								
																								Miles per hour							Direction	Date
New England																																
Eastport	76	67	85	29.81	29.89	-0.04	54.8	+0.3	84	29	63	41	8	47	34	51	48	82	3.33	+4	15	6.675	sw.	32	se.	20	5	10	15	6.6	0.0	0.0
Greenville, Maine	1,070	6	40	28.73	29.88	-0.06	64.8	+1.3	84	6	68	32	8	49	32	52	52	72	6.45	+2	18	3.745	sw.	23	sw.	29	7	9	14	1.0	0.0	0.0
Portland, Maine	103	82	117	29.77	29.89	-0.06	63.0	+0.5	90	19	71	47	8	55	29	58	52	72	3.51	+2	16	6.340	sw.	24	nw.	6	15	9	6	4.3	0.0	0.0
Concord	289	60	60	29.87	29.87	-0.09	65.5	+2.6	95	2	77	39	8	54	43	---	---	---	4.06	+9	12	4.06	nw.	---	---	10	13	---	---	0.0	0.0	0.0
Burlington	403	11	48	29.44	29.87	-0.09	65.4	+1.3	91	5	76	37	8	57	34	---	---	---	3.81	+4	12	6.545	s.	32	s.	9	8	15	7	5.3	0.0	0.0
Northfield	576	12	60	29.88	29.88	-0.06	62.5	+1.3	91	2	75	30	8	50	44	---	---	---	2.31	+9	12	5.273	s.	23	sw.	24	4	19	7	6.0	0.0	0.0
Boston	124	336	360	29.76	29.89	-0.07	66.9	+1.3	91	4	94	29	76	50	30	70	49	58	3.11	+2	15	9.448	sw.	39	e.	19	10	13	7	5.5	0.0	0.0
Nantucket	12	14	90	29.89	29.90	-0.08	63.2	+1.8	82	30	70	49	8	56	19	59	57	86	2.33	+3	9	9.579	sw.	34	sw.	29	9	12	9	5.7	0.0	0.0
Block Island	26	11	46	29.87	29.90	-0.07	63.6	+1.8	81	30	70	50	8	58	18	60	59	87	3.31	+7	7	9.894	sw.	38	se.	19	5	15	10	6.0	0.0	0.0
Providence	160	215	251	29.73	29.90	-0.07	68.7	+4.4	96	29	78	48	8	59	33	61	56	67	3.33	+6	12	7.827	nw.	32	nw.	10	16	8	6	4.3	0.0	0.0
Hartford	159	70	104	29.87	29.89	-0.06	69.6	+2.5	98	29	80	44	8	56	32	---	---	---	3.46	+4	8	5.754	s.	---	---	9	13	8	---	---	0.0	0.0
New Haven	106	74	133	29.80	29.90	-0.07	70.0	+3.4	99	29	79	44	8	61	33	60	58	70	3.42	+3	7	6.396	s.	27	n.	10	5	16	9	5.8	0.0	0.0
Middle Atlantic States																																
Albany	97	107	115	29.78	29.88	-0.09	69.8	+1.8	94	21	80	46	8	64	32	63	59	71	5.75	+2.4	14	5.875	s.	27	nw.	6	7	15	8	5.5	0.0	0.0
Binghamton	871	60	68	28.99	29.90	-0.07	69.7	+4.1	92	3	80	44	8	68	32	---	---	---	3.70	+3	11	4.146	nw.	29	sw.	3	2	13	15	7.0	0.0	0.0
New York	314	415	454	29.57	29.90	-0.06	72.4	+3.6	97	29	80	57	4	64	31	64	59	70	3.21	-1	9	9.553	sw.	38	nw.	19	7	16	7	5.8	0.0	0.0
Bellefonte	1,050	5	42	28.82	29.90	-0.06	70.2	+4.8	102	29	85	59	9	67	30	67	62	66	3.22	0	9	8.620	sw.	35	sw.	10	8	17	3	5.5	0.0	0.0
Harrisburg	374	84	104	29.50	29.89	-0.10	74.4	+4.1	100	29	84	52	8	67	29	66	61	67	3.52	-1	9	5.223	w.	27	w.	22	8	19	3	5.1	0.0	0.0
Philadelphia	114	123	367	29.79	29.92	-0.06	76.2	+4.8	102	29	85	59	9	67	30	67	62	66	3.22	0	9	8.620	sw.	35	sw.	10	8	17	3	5.5	0.0	0.0
Reading	323	283	306	29.56	29.90	-0.06	74.0	+4.2	99	28	83	55	8	65	25	64	61	67	2.02	-1.5	9	7.592	nw.	43	se.	19	5	21	4	5.5	0.0	0.0
Scranton	805	72	104	29.06	29.90	-0.06	71.2	+3.5	93	29	82	47	8	61	33	64	60	69	2.45	-1.2	10	5.096	sw.	19	n.	19	4	19	7	5.2	0.0	0.0
Atlantic City	52	37	172	29.96	29.92	-0.06	70.7	+4.1	89	25	77	55	4	64	23	66	63	82	2.48	-6	7	10.981	s.	50	se.	16	8	13	9	5.7	0.0	0.0
Sandy Hook	22	10	57	29.88	29.90	-0.06	71.2	+3.5	93	29	79	55	4	64	30	65	63	78	3.40	-4	10	8.595	sw.	36	nw.	19	11	11	8	4.7	0.0	0.0
Trenton	190	88	106	29.70	29.90	-0.09	73.5	+4.0	100	29	84	53	8	63	32	66	61	70	3.41	+3	8	6.714	s.	27	nw.	12	5	20	5	5.7	0.0	0.0
Baltimore	123	100	215	29.78	29.90	-0.09	71.8	+5.1	105	29	87	62	9	69	29	89	84	65	5.39	+1.5	10	7.339	sw.	36	se.	19	12	12	6	4.8	0.0	0.0
Washington	112	62	85	29.79	29.90	-0.10	72.2	+5.0	101	29	87	61	15	68	27	69	65	68	2.87	-1.3	10	4.556	sw.	34	nw.	22	13	13	4	4.4	0.0	0.0
Cape Henry	18	8	54	29.92	29.94	-0.07	78.2	+5.3	100	27	87	64	1	70	29	71	68	77	2.82	-1.1	10	7.585	sw.	49	nw.	27	11	17	2	4.4	0.0	0.0
Lynchburg	686	5	29	29.21	29.94	-0.07	76.8	+2.2	104	29	89	53	14	64	35	---	---	---	4.21	+4	10	---	---	---	---	4	23	3	---	---	0.0	0.0
Norfolk	91	170	205	29.85	29.96	-0.05	78.8	+4.4	98	30	88	63	9	69	28	71	68	75	1.68	-2.5	10	8.507	s.	44	nw.	30	6	14	10	5.9	0.0	0.0
Richmond	144	11	52	29.79	29.94	-0.07	78.1	+4.0	98	29	88	59	9	68	26	70	67	74	3.65	-2	10	5.278	sw.	30	nw.	30	11	14	5	4.3	0.0	0.0
Wytheville	2,304	49	55	29.92	29.92	-0.09	71.7	+3.0	95	26	82	50	14	61	36	---	---	---	2.47	-1.7	8	4.230	w.	21	s.	29	9	12	9	---	0.0	0.0
South Atlantic States																																
Asheville	2,253	89	104	27.69	29.97	-0.04	72.6	+3.9	94	25	84	54	14	61	34	65	62	78	5.50	+1.6	14	4.226	nw.	25	n.	23	11	11	8	5.1	0.0	0.0
Charlotte	779	244	267	29.14	29.96	-0.05	77.8	+2.3	96	27	87	61	2	69	25	68	64	70	7.36	+3.1	12	7.336	sw.	34	nw.	23	10	11	9	5.0	0.0	0.0
Greensboro	886	6	56	29.02	29.96	-0.06	76.8	+3.1	98	29	88	59	14	66	32	69	66	74	3.19	-1	12	5.232	sw.	27	nw.	23	9	10	11	5.4	0.0	0.0
Hatteras	11	5	50	29.95	29.96	-0.05	77.5	+1.9	87	19	82	68	9	73	18	73	72	83	2.36	-2.2	10	8.299	sw.	35	s.	18	15	9	6	4.0	0.0	0.0
Raleigh	376	103	146	29.55	29.94	-0.07	78.8	+3.1	98	30	89	60	1	69	27	71	68	75	5.05	+7	11	5.777	sw.	32	nw.	23	9	11	10	5.3	0.0	0.0
Wilmington	72	73	107	29.91	29.98	-0.03	78.5	+1.7	92	26	86	66	2	71	25	73	71	82	3.42	-1.7	13	6.785	sw.	26	s.	18	11	11	8	5.0	0.0	0.0
Charleston	48	11	92	29.94	29.98	-0.02	80.6	+1.7	94	11	87	66	1	74	20	76	74	84	1.68	-2.9	8	6.958	s.	25	sw.	12	12	6	4.5	0.0	0.0	
Columbia, S.C.	351	41	57	29.60	29.97	-0.04	80.3	+2.2	99	29	90	63	2	70	27	71	68	73	3.30	-9	9	4.890	s.	25	sw.	18	15	7	8	4.4	0.0	0.0
Augusta	182	62	77	29.76	29.96	-0.05	80.8	+2.1	98	23	91	62	1	70	27	72	68	72	1.68	-3.0	10	3.995	s.	21	nw.	10	13	10	7	4.6	0.0	0.0
Savannah	65	73	152	29.91	29.98	-0.03	80.7	+1.7	97	23	89	65	1	72	24	74	72	80	2.19	-3.1	8	6.565	s.	30	e.	24	14	10	6	4.6	0.0	0.0
Jacksonville	43	86	110	29.95	30.00	-0.01	80.7	+1.8	95	23	85	64	1	73	23	74	72	81	13.23	+												

TABLE 1.—Climatological data for Weather Bureau stations, June 1934

District and station	Elevation of instruments			Pressure			Temperature of the air										Precipitation			Wind												
	Barometer above sea level	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. + 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	Total	Departure from normal	Days with 0.01 or more	Total movement	Prevailing direction	Miles per hour	Direction	Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
Ohio Valley and Tennessee																																
Chattanooga	762	71	214	29.16	29.95	-0.05	77.8	+3.4	100	26	90	60	2	68	30	69	66	68	6.19	+2.0	15	4,685	w.	32	e.	30	10	12	8	5.0	0.0	0.0
Knoxville	965	66	84	28.92	29.95	-1.05	78.2	+4.2	99	26	90	61	14	67	31	69	65	71	5.08	+1.0	12	3,772	sw.	21	w.	12	15	12	3	3.9	0.0	0.0
Memphis	399	78	86	29.51	29.92	-0.05	81.0	+3.4	97	26	90	66	13	73	28	71	66	65	2.96	-0.6	7	4,652	sw.	25	n.	10	13	11	6	4.0	0.0	0.0
Nashville	546	168	191	29.38	29.95	-0.04	78.9	+3.3	97	23	90	60	13	68	29	70	66	69	5.79	+1.8	11	5,155	w.	39	nw.	9	7	17	6	5.3	0.0	0.0
Lexington	989	5					77.0	+4.8	99	23	89	53	13	65	33				4.52	+0.5	12		ne.			18	8	4			0.0	0.0
Louisville	525	188	234	29.37	29.94	-1.04	79.3	+4.6	98	23	89	61	14	70	28	69	64	65	4.27	+0.4	12	6,347	s.	41	s.	21	12	11	7	4.5	0.0	0.0
Evansville	431	76	116	29.46	29.92	-0.05	80.4	+5.3	97	23	90	63	13	70	26	70	66	67	6.72	+2.7	12	5,551	s.	38	sw.	21	8	17	5	4.9	0.0	0.0
Indianapolis	822	194	230	29.06	29.92	-0.05	78.6	+7.0	101	23	90	59	13	68	32	66	60	59	2.98	-0.6	11	6,646	sw.	35	s.	2	13	7	10	5.1	0.0	0.0
Terre Haute	575	96	129	29.29	29.90		80.0		104	27	92	57	13	68	32	69	65	65	2.46	-1.5	8	6,105	sw.	40	n.	24	13	15	2	4.0	0.0	0.0
Cincinnati	627	11	51	29.25	29.91	-0.08	78.1	+6.9	101	23	90	56	13	67	31	68	63	64	3.83	+2.9	9	4,515	sw.	36	w.	22	11	12	7	4.8	0.0	0.0
Columbus	822	216	230	29.06	29.92		77.9	+7.0	101	23	89	55	13	67	30	66	60	59	2.74	-0.6	5	7,058	s.	42	nw.	22	10	18	2	4.4	0.0	0.0
Elkins	1,947	59	78	27.97	29.94	-0.06	70.4	+3.5	90	29	82	48	14	59	36	64	62	76	4.71	-0.4	13	3,938	w.	29	nw.	22	8	15	7	5.6	0.0	0.0
Parkersburg	637	77	84	29.30	29.96		77.2	+5.8	98	29	89	54	14	66	34	68	64	66	3.72	-0.3	9	4,209	sw.	43	nw.	22	12	13	5	4.4	0.0	0.0
Pittsburgh	842	353	410	29.02	29.90	-0.09	75.9	+5.2	96	29	86	55	14	66	29	67	62	67	4.45	+0.6	10	6,331	sw.	43	nw.	22	8	16	6	5.2	0.0	0.0
Lower Lake Region																																
Buffalo	768	213	230	29.06	29.87	-1.10	67.7	+3.3	90	4	75	50	7	60	32	61	57	70	1.86	-1.0	10	9,461	sw.	37	sw.	21	12	14	4	4.6	0.0	0.0
Canton	448	10	61	29.37	29.84		65.8	-0.9	93	5	77	36	8	55	39				3.01	-0.3	10	5,893	w.	23	w.	24	8	14	8	5.4	0.0	0.0
Ithaca	836	77	100	29.00	29.88		70.2	+4.0	98	3	81	44	8	59	35	62	57	67	4.78	+1.2	11	6,028	nw.	28	se.	3	3	13	14	6.8	0.0	0.0
Oswego	335	71	85	29.51	29.87		65.4	+6.8	89	23	75	44	7	56	31	59	55	70	1.97	-1.3	9	6,237	w.	22	n.	7	8	14	8	5.5	0.0	0.0
Rochester	523	86	102	29.33	29.88	-0.09	70.2	+4.1	96	2	80	50	7	60	31	60	54	60	2.28	-0.7	8	6,202	w.	25	w.	21	15	10	5	4.4	0.0	0.0
Syracuse	596	65	79	29.26	29.90		70.6	+3.7	100	2	80	46	8	61	32				2.79	-1.1	12	5,191	s.	21	s.	9	7	12	11	6.1	0.0	0.0
Erie	714	130	168	29.14	29.88	-0.10	71.8	+5.6	97	2	81	54	7	63	32	64	60	67	1.45	-1.9	7	8,064	w.	34	se.	18	17	11	2	3.6	0.0	0.0
Cleveland	762	267	337	29.08	29.88	-0.10	73.6	+6.5	100	28	82	54	9	65	30	64	58	60	2.26	-0.9	6	8,346	n.	32	s.	21	12	16	2	4.0	0.0	0.0
Sandusky	629	5	67	29.23	29.90	-0.08	75.0	+6.2	104	28	86	56	7	64	37				1.48	-2.0	4	5,921	sw.	23	nw.	12	8	16	6	5.0	0.0	0.0
Toledo	628	79	87	29.22	29.89	-0.08	74.8	+8.1	101	23	86	51	7	64	37	64	58	60	1.83	-1.5	6	6,353	sw.	24	nw.	19	16	13	1	3.2	0.0	0.0
Fort Wayne	857	69	84	29.99	29.89		76.6	+8.1	102	28	89	52	14	64	35	64	57	56	2.67	-0.9	6	6,129	nw.	35	w.	26	9	16	5	4.5	0.0	0.0
Detroit	628	5	78	29.22	29.88	-0.09	73.2	+5.8	104	28	86	51	7	60	41	62	56	57	1.39	-2.2	8	6,782	ne.	33	nw.	26	8	18	4	5.2	0.0	0.0
Upper Lake Region																																
Alpena	609	13	89	29.23	29.90	-0.06	62.6	+2.2	98	1	72	41	7	53	51	57	53	72	3.03	-0.3	10	7,171	nw.	30	nw.	30	11	14	5	4.7	0.0	0.0
Escanaba	612	54	60	29.23	29.89	-0.05	62.6	+1.9	92	28	72	40	7	54	35	56	52	72	1.91	-1.3	10	7,037	s.	35	w.	23	9	11	10	5.4	0.0	0.0
Grand Rapids	707	70	244	29.12	29.87	-0.10	73.2	+5.4	102	1	85	52	13	62	39	63	57	59	3.04	-0.4	9	7,360	sw.	41	s.	24	9	16	5	4.7	0.0	0.0
Lansing	878	6	88	29.96	29.87		71.0	+4.6	97	28	84	48	14	58	38	63	59	67	1.67	-1.8	7	6,053	w.	28	w.	21	11	16	3	4.7	0.0	0.0
Ludington	637	5	54	29.19	29.88		64.8	+4.3	87	3	75	47	6	55	29	58			2.70	-0.2	10		s.			9	12	9			0.0	0.0
Marquette	734	77	111	29.09	29.89	-0.05	59.6	+7.9	95	23	70	36	3	49	55	53	49	72	2.16	-1.1	14	6,317	nw.	31	sw.	28	5	12	13	6.7	0.0	0.0
Sault Sainte Marie	614	11	52	29.21	29.90		59.2	+6.8	94	4	71	35	7	48	42	53	49	71	1.74	-1.2	12	5,125	se.	21	nw.	24	7	12	11	6.0	0.0	0.0
Chicago	073	7	131	29.18	29.90	-0.06	71.6	+4.3	102	1	82	49	7	61	33	61	56	65	2.24	-1.1	16	7,006	ne.	39	nw.	20	9	14	7	5.1	0.0	0.0
Green Bay	617	109	141	29.22	29.87	-0.08	69.2	+4.3	101	1	80	47	7	59	37	60	55	64	4.47	+0.8	13	7,751	sw.	37	w.	23	5	13	7	6.4	0.0	0.0
Milwaukee	681	97	221	29.16	29.89	-0.06	68.3	+4.4	104	1	79	45	7	58	45	59	53	62	3.22	-1.1	10	8,788	n.	51	w.	20	8	15	7	5.9	0.0	0.0
Duluth	1,133	5	47	28.67	29.87	-0.05	59.4	+2.2	85	29	70	34	7	49	41	53	50	77	2.36	-0.6	15	8,648	ne.	32	nw.	5	6	12	12	5.5	0.0	0.0
North Dakota																																
Moorhead, Minn.	940	50	58	28.85	29.84	-0.06	66.2	+1.8	89	29	77	42	7	55	33	58	52	62	3.93	-0.1	14	6,543	nw.	38	nw.	19	8	10	12	5.8	0.0	0.0
Bismarck	1,674	8	57	28.10	29.85	-0.02	66.0	+2.3	90	1	78	48	7	54	42	56	49	60	3.39	0.0	12	7,342	nw.	27	nw.	10	10	10	5.4	0.0	0.0	
Devils Lake	1,478	11	44	28.32	29.87	-0.01	63.0	+1.1	88	1	74	43	12	52	39	55	48	65	3.59	0.0	10	7,199	nw.	25	ne.	6	10	8	12	5.7	0.0	0.0
Grand Forks	833	12	67				64.6		90	29	77	41	7	52	36	57			3.70		16		nw.	31	e.	7	2	23	5		0.0	0.0
Williston	1,878	41	48	27.91	29.85	-0.01	62.9	+																								

TABLE 1.—Climatological data for Weather Bureau stations, June 1934—Continued

District and station	Elevation of instruments			Pressure			Temperature of the air										Precipitation			Wind							
	Barometer above sea level	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. +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	Total	Departure from normal	Days with 0.01 or more	Total movement	Prevailing direction	Maximum velocity			
																								Miles per hour	Direction	Date	Clear days
<p><i>Middle Slope</i></p> <p>Denver..... 5,292 106 113 24.68 29.80 -0.04 70.0 +3.7 95 26 84 45 9 56 36 52 37 33 33 .22 -1.2 7 6,033 s. 29 se. 5 13 15 11 14 3 4.1 0.0 0.0</p> <p>Pueblo..... 4,685 80 86 25.22 29.79 -0.05 73.4 +4.4 98 22 89 44 2 58 45 53 35 33 33 .14 -1.2 2 5,752 s. 32 s. 17 15 11 3 3.2 0.0 0.0</p> <p>Concordia..... 1,392 50 58 28.41 29.83 -0.05 80.8 +7.8 102 29 93 58 12 69 32 60 59 52 3.34 -1.1 10 6,352 s. 35 nw. 17 13 14 3 3.2 0.0 0.0</p> <p>Dodge City..... 2,509 10 86 27.30 29.82 -0.05 80.0 +7.5 106 23 93 56 18 67 35 64 55 49 2.34 -1.0 8 10,475 s. 43 s. 8 21 17 2 2.2 0.0 0.0</p> <p>Wichita..... 1,358 85 93 28.44 29.82 -0.09 82.2 +7.8 101 30 94 62 18 71 39 67 58 49 1.78 -2.6 2 8,871 sw. 41 sw. 13 19 9 2 2.2 0.0 0.0</p> <p>Oklahoma City..... 1,214 10 47 28.61 29.85 -0.06 83.2 +7.2 102 20 95 64 11 71 30 66 62 55 1.98 -1.7 6 7,447 s. 34 s. 13 20 7 3 3.0 0.0 0.0</p> <p style="text-align: center;"><i>Southern Slope</i></p> <p>Abilene..... 1,738 10 52 28.07 29.81 -0.07 85.8 +6.6 106 20 96 66 3 74 34 68 58 46 46 -2.9 5 8,027 s. 29 n. 16 23 5 2 2.3 0.0 0.0</p> <p>Amarillo..... 3,676 10 49 26.26 29.81 -0.04 79.6 +6.8 103 22 93 56 4 66 34 61 51 46 1.94 -2.5 10 7,685 s. 34 sw. 12 18 10 2 2.9 0.0 0.0</p> <p>Big Spring..... 2,537 5 63 27.27 29.80 -0.03 83.3 +6.8 106 20 97 62 2 71 33 65 55 46 2.20 -1.0 4 7,200 s. 32 s. 23 4 3 2.6 0.0 0.0</p> <p>Del Rio..... 944 64 71 28.82 29.78 -0.07 85.5 +2.4 104 20 96 70 2 76 25 70 61 51 28 -2.3 2 8,733 se. 30 se. 27 20 2 2 2.6 0.0 0.0</p> <p>Roswell..... 3,566 75 85 28.26 29.75 -0.05 79.7 +3.4 102 11 95 56 1 64 39 60 45 37 80 -0.9 2 6,275 se. 32 sw. 1 2 7 1 1.9 0.0 0.0</p> <p style="text-align: center;"><i>Southern Plateau</i></p> <p>El Paso..... 3,775 152 175 26.08 29.73 -0.02 83.1 +3.5 104 12 96 63 7 70 33 57 36 23 30 0.19 -0.6 1 6,773 w. 44 sw. 1 23 6 1 1.6 0.0 0.0</p> <p>Albuquerque..... 4,972 5 39 24.99 29.72 -0.01 72.0 +2.1 96 13 89 46 4 56 43 51 32 30 37 -0.5 4 6,974 se. 37 s. 6 18 9 3 3.1 0.0 0.0</p> <p>Santa Fe..... 7,013 38 53 23.27 29.75 -0.06 66.8 +2.0 88 11 80 43 4 53 36 48 30 29 54 -2.8 5 6,053 sw. 22 s. 6 21 5 4 2.9 0.0 0.0</p> <p>Flagstaff..... 6,907 10 59 23.34 29.80 +0.02 55.8 -3.5 88 30 74 26 37 47 41 41 39 20 6,653 sw. 30 sw. 18 17 11 2 2.1 0.0 0.0</p> <p>Phoenix..... 1,108 10 107 28.62 29.74 0.00 83.8 -7.1 110 30 99 57 1 69 43 58 34 21 0.03 0 1 4,891 w. 28 se. 30 25 4 1 1.6 0.0 0.0</p> <p>Yuma..... 141 9 54 29.60 29.74 0.00 81.2 -3.5 107 11 98 57 1 65 43 62 47 36 T 0 0 4,337 w. 24 se. 22 27 1 2 1.9 0.0 0.0</p> <p>Independence..... 3,957 5 26 25.88 29.85 +0.07 69.4 -2.9 101 30 85 40 26 54 42 50 37 -1.0 0 6,275 s. 32 sw. 1 2 7 1 1.9 0.0 0.0</p> <p style="text-align: center;"><i>Middle Plateau</i></p> <p>Reno..... 4,532 74 81 25.42 29.86 0.00 62.5 +1.5 95 30 77 38 3 48 41 49 38 50 0.62 +0.1 9 5,208 w. 31 w. 25 17 7 6 3.8 0.0 0.0</p> <p>Tonopah..... 6,090 12 20 26.11 29.86 -0.01 61.7 +1.1 89 30 74 36 6 50 32 46 31 39 0.08 -2.2 2 5,208 w. 25 nw. 13 15 10 5 3.7 0.0 0.0</p> <p>Winnemucca..... 4,344 18 56 25.54 29.87 -0.01 62.4 -4.9 95 30 79 31 4 45 44 47 33 44 0.99 +0.3 9 5,653 sw. 39 sw. 18 16 8 6 3.6 0.0 0.0</p> <p>Modena..... 5,473 10 46 24.54 29.78 -0.04 61.9 -1.4 93 30 79 32 2 45 47 43 23 28 0.40 +1.1 2 7,995 sw. 32 se. 5 17 6 7 3.3 0.0 0.0</p> <p>Salt Lake City..... 4,360 86 210 25.52 29.80 -0.05 68.4 +1.0 93 12 81 43 2 56 34 51 34 33 0.82 0 6 6,012 nw. 32 se. 5 17 6 7 3.3 0.0 0.0</p> <p>Grand Junction..... 4,602 60 68 25.28 29.78 -0.05 72.0 +0.6 97 30 87 43 7 57 41 50 28 24 0.09 -0.3 3 5,652 se. 31 sw. 18 19 10 1 2.9 0.0 0.0</p> <p style="text-align: center;"><i>Northern Plateau</i></p> <p>Baker..... 3,471 48 53 26.40 29.94 -0.01 59.3 +7.8 88 11 72 39 2 46 44 48 39 55 2.76 +1.4 9 4,723 n. 21 sw. 2 12 10 8 4.7 0.0 0.0</p> <p>Boise..... 2,739 79 87 27.07 29.88 -0.03 65.6 +3.3 91 11 79 41 4 52 41 51 39 48 1.22 +0.3 7 4,167 nw. 16 nw. 2 12 7 11 4.9 0.0 0.0</p> <p>Pocatello..... 4,477 60 68 25.40 29.84 -0.03 63.4 +1.2 91 30 77 37 2 49 41 47 32 40 0.80 -0.3 9 6,085 se. 39 s. 12 14 9 7 4.3 0.0 0.0</p> <p>Spokane..... 1,929 101 110 27.87 29.88 -0.06 65.4 +2.6 94 11 77 46 23 54 35 52 39 46 0.84 -4.4 5 5,320 se. 24 se. 25 7 16 7 5.0 0.0 0.0</p> <p>Walla Walla..... 991 57 65 28.85 29.90 -0.06 68.6 +2.1 100 11 80 48 2 57 36 54 42 44 1.08 -0.0 7 4,668 s. 24 w. 17 13 10 7 4.7 0.0 0.0</p> <p>Yakima..... 1,076 58 67 28.78 29.92 0.00 69.4 +3.0 101 10 82 48 2 56 40 54 41 41 0.06 -0.5 3 5,967 nw. 23 nw. 26 18 5 7 3.6 0.0 0.0</p> <p style="text-align: center;"><i>North Pacific Coast Region</i></p> <p>North Head..... 211 11 56 29.84 30.07 +0.08 55.2 +4.4 64 29 58 48 1 52 11 52 51 87 0.70 -1.6 10 0,497 n. 35 n. 30 8 12 10 5.9 0.0 0.0</p> <p>Seattle..... 125 90 321 29.89 30.02 +0.02 62.2 +3.2 82 10 71 50 2 53 27 54 47 62 0.23 -1.1 4 16,193 n. 40 sw. 21 11 13 6 4.7 0.0 0.0</p> <p>Tatoosh Island..... 86 10 54 29.97 30.07 +0.05 53.7 +7.1 61 9 57 46 1 50 12 51 50 90 0.82 -2.4 10 6,499 sw. 31 sw. 21 4 13 13 6.4 0.0 0.0</p> <p>Medford..... 1,329 29 58 28.56 29.94 0.00 64.7 +1.0 100 30 80 38 3 50 47 53 44 58 0.83 +1.1 8 4,909 nw. 23 12 10 8 4.5 0.0 0.0</p> <p>Portland, Oreg..... 153 68 106 29.86 30.02 -0.02 64.0 +1.6 88 11 74 47 1 54 30 56 49 63 0.96 -0.6 8 4,748 nw. 18 sw. 1 10 7 13 5.5 0.0 0.0</p> <p>Roseburg..... 510 45 76 29.47 30.01 -0.02 63.6 +1.1 93 10 77 40 2 50 40 55 48 65 1.43 +0.3 5 3,935 n. 20 sw. 25 10 11 9 4.5 0.0 0.0</p> <p style="text-align: center;"><i>Middle Pacific Coast Region</i></p> <p>Eureka..... 62 73 89 29.96 30.03 -0.02 55.6 +1.3 66 27 60 47 3 51 14 52 50 84 0.29 -1.4 3 5,658 n. 26 n. 22 13 7 10 4.7 0.0 0.0</p> <p>Red Bluff..... 330 5 58 29.49 29.84 -0.04 76.1 +1.3 113 30 90 52 1 62 40 59 47 44 0.34 -1.1 4 5,019 nw. 22 se. 10 23 3 4 2.8 0.0 0.0</p> <p>Sacramento..... 66 87 115 29.78 29.84 -0.05 71.4 +2.0 112 30 86 50 3 56 44 58 50 56 0.30 +0.2 3 6,168 s. 21 sw. 24 24 3 3 1.8 0.0 0.0</p> <p>San Francisco..... 155 208 243 29.74 29.91 -0.05 61.0 +2.5 95 29 68 50 2 54 34 54 51 75 0.68 +0.5 3 5,470 sw. 25 w. 24 19 4 7 3.1 0.0 0.0</p> <p style="text-align: center;"><i>South Pacific Coast Region</i></p> <p>Fresno..... 327 97 105 29.60 29.85 0.00 73.2 -2.6 106 30 87 50 1 59 38 58 46 46 0.05 0 1 5,477 nw. 21 nw. 23 24 2 4 2.1 0.0 0.0</p> <p>Los Angeles..... 338 159 191 29.56 29.92 +0.02 65.2 -1.2 81 23 72 54 6 58 22 58 54 72 0.41 +0.3 1 4,199 sw. 19 nw. 30 8 11 11 5.4 0.0 0.0</p> <p>San Diego..... 87 62 70 29.83 29.92 0.00 64.0 +1.1 71 30 68 56 6 60 12 59 56 79 0.47 +0.4 5 5,361 w. 21 s. 5 5 13 12 6.2 0.0 0.0</p> <p style="text-align: center;"><i>West Indies</i></p> <p>San Juan, P.R..... 82 9 54 29.94 30.02 0.00 79.7 0.0 90 16 85 72 10 74 15 77 75 1.84 -0.9 12 8,819 e. 27 ne. 27 6 20 4 5.3 0.0 0.0</p> <p style="text-align: center;"><i>Panama Canal</i></p> <p>Balboa Heights..... 118 6 97 29.84 +0.01 80.2 +1.1 92 29 86 72 6 74 18 77 75 1.88 10.85 +2.6 19 3,474 nw. 19 se. 5 0 13 17 7.5 0.0 0.0</p> <p>Cristobal..... 36 6 97 29.84 0.00 82.2 +1.8 91 13 88 74 28 77 15 77 75 9.89 -3.8 18 5,046 se. 23 sw. 19 0 9 21 7.9 0.0 0.0</p> <p style="text-align: center;"><i>Alaska</i></p> <p>Fairbanks..... 454 11 87 29.32 29.82 0.00 57.9 84 29 71 34 1 45 36 48 38 56 0.30 4 4,754 sw. 25 sw. 21 7 16 7 5.5 0.0 0.0</p> <p>Juneau..... 80 96 116 29.89 29.98 0.00 52.6 75 5 59 40 13 46 28 48 43 75 3.91 15 4,680 s. 27 sw. 10 3 4 23 7.9 0.0 0.0</p> <p style="text-align: center;"><i>Hawaiian Islands</i></p> <p>Honolulu..... 38 86 100 30.00 30.04 0.00 77.4 +0.8 85 9 82 70 3 73 12 70 67 71 1.84 +0.9 18 7,567 e. 27 e. 19 14 12 4 4.4 0.0 0.0</p>																											

1 Observations taken bihourly.

2 Pressure not reduced to mean of 24 hours.

TABLE 2.—Data furnished by the Canadian Meteorological Service, June 1934

Data not received in time for inclusion in this issue of the REVIEW; the June figures will be printed in the July issue.