CLIMATOLOGICAL TABLES

(For description of tables and charts, see REVIEW, January, 1930, p. 37)

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, May, 1930

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
	°F.	°F.		°F.			°F.		In.	In.		In.		In.
Alabama	72.9	+1.6	5 stations	95	[1] 5	Valley Head	40	30	3.82	−0.15	St. Bernard	10.59	Alaga	0.35
Arizona	62.0	−4.5	Parker	108	21	Spring Valley	10	11	0.94	+0.59	2 stations	2.91	Parker	0.05
Arkansas	68.8	−0.2	Dumas	95	27	Dutton	34	31	10.06	+5.04	Hot Springs	18.51	Corning (river)	3.86
California	56.7	−3.7	Greenland Ranch	110	19	Ellery Lake	3	8	1.46	+0.37	Cuyamaca	8.80	Madeline	T.
Colorado	50.2	−1.9	4 stations	95	[1] 21	2 stations	2	[1] 6	2.40	+0.61	Julesburg	7.74	Nast	0.10
Florida	76.6	+1.0	2 stations	99	[1] 17	3 stations	52	[1] 3	4.19	+0.21	Venus	12.64	Bonifay	0.20
Georgia	73.6	+2.0	do	98	[1] 19	Toccoa	43	31	2.26	−1.24	Clayton	7.95	Fitzgerald	0.10
Idaho	51.7	−1.0	Orofino	97	27	2 stations	16	[1] 21	2.11	+0.50	Wallace	4.92	Cronks Canyon	0.10
Illinois	64.2	+1.6	Mount Carmel	92	8	Freeport	30	17	1.84	−2.16	Galena	4.53	Tuscola	0.21
Indiana	63.6	+1.4	2 stations	94	[1] 5	3 stations	31	[1] 29	1.79	−2.22	Hobart	3.61	Bedford	0.60
Iowa	60.2	+0.1	do	91	27	Sanborn	26	17	3.71	−0.87	Corning	7.20	Columbus Junction	1.61
Kansas	62.6	−0.8	Lincoln	98	27	Goodland	29	18	4.36	+0.57	Wellington	8.65	Richfield	1.35
Kentucky	66.6	+1.3	Williamstown	94	6	Williamsburg	33	31	2.99	−1.11	Burnside	6.38	Grant	0.53
Louisiana	74.5	+0.9	Lake Providence	93	28	2 stations	47	[1] 25	5.86	+1.43	Lake Providence	13.66	Port Eads	0.42
Maryland-Delaware	64.9	+2.3	5 stations	96	7	do	27	[1] 4	2.21	−1.38	Milford, Del	5.38	Keedysville, Md	0.73
Michigan	56.3	+2.5	Saranac	93	9	Wolverine	16	27	2.98	−0.14	Iron River (near)	5.89	Northport	0.65
Minnesota	54.9	+0.4	Red Lake Falls	94	21	Itasca State Park	18	17	4.13	+1.09	New London	6.89	Grand Marais	2.07
Mississippi	72.9	+1.2	Aberdeen	95	28	2 stations	45	31	9.22	+4.78	Moorhead	19.70	Merrill	1.87
Missouri	64.7	+0.3	Louisiana	95	21	Louisiana	33	30	3.43	−1.24	Hailey	7.38	Farmington	0.97
Montana	51.4	+0.3	White Sulphur Springs.	96	27	Lewistown	17	23	1.26	−0.88	Heron	4.26	Melstone	0.05
Nebraska	57.4	−1.7	Newport	95	26	2 stations	27	18	5.10	+1.57	Central City	10.35	Butte	2.01
Nevada	52.5	−3.7	2 stations	101	28	do	15	8	2.20	+1.34	Beowawe	7.44	Searchlight	0.30
New England	56.5	+1.6	Fitchburg, Mass	96	7	do	25	[1] 10	3.63	+0.23	Pittsburg (a), N. H.	7.34	Machias, Me	1.18
New Jersey	62.7	+2.6	Flemington	98	7	Belleplain	31	12	2.75	−0.98	Chatham	4.50	Bridgeton	1.54
New Mexico	56.5	−2.5	Carlsbad	103	21	Selsor Ranch	5	6	1.16	−0.01	Roy	5.12	6 stations	0.00
New York	57.7	+2.0	3 stations	96	7	Indian Lake	22	12	3.63	+0.11	Raquette Lake	6.17	Buffalo	1.17
North Carolina	68.3	+2.4	Goldsboro	96	19	Mount Mitchell	25	31	3.06	−0.99	Highlands	7.54	Beaufort	0.47
North Dakota	50.8	−1.8	Park River	98	21	Eckman	18	[1] 16	2.62	+0.07	Larimore	5.99	Beach	0.96
Ohio	62.8	+2.7	Circleville	97	9	Millport	29	30	1.80	−1.82	St. Paris	3.59	2 stations	0.72
Oklahoma	67.5	−0.4	Goodwell	97	21	3 stations	34	[1] 12	6.36	+1.68	Tuskahoma	13.57	Goodwell	0.57
Oregon	51.8	−1.6	Umatilla	92	27	Crater Lake	5	7	2.23	+0.42	Welches	8.05	Arlington	T.
Pennsylvania	61.2	+1.7	Phoenixville	99	7	2 stations	25	[1] 27	3.03	−0.96	Phoenixville	6.39	Meadville	1.03
South Carolina	72.0	+1.1	Greenwood	96	5	Walhalla	38	31	2.44	−1.17	Walhalla	6.56	Marion	0.50
South Dakota	54.8	−0.8	Tyndall	96	20	Redfield	20	17	2.89	−0.32	St. Francis	9.26	Rapid City	0.92
Tennessee	68.0	+1.3	2 stations	94	6	Crossville	36	[1] 25	5.68	+1.45	Brownsville	11.53	Celina	2.75
Texas	72.6	−0.5	Fort McIntosh	105	6	2 stations	32	[1] 11	5.15	+1.49	Winfield (near)	18.40	Kent	0.00
Utah	52.4	−3.1	St. George	95	28	Panguitch	10	9	1.68	+0.38	Lewiston	3.34	Loa	T.
Virginia	66.8	+3.3	Winchester	98	7	Burkes Garden	29	4	2.41	−1.33	Dante	12.53	Deerfield	0.29
Washington	53.1	−0.9	Wahluke	91	13	Davenport	18	7	2.27	+0.11	Mount Baker Lodge	9.28	Toppenish	0.06
West Virginia	63.3	+1.3	Romney	101	7	Pickens	23	26	2.17	−1.74	Rowlesburg	4.99	Wardensville	0.64
Wisconsin	56.6	+1.9	2 stations	93	[1] 6	Rest Lake	13	28	3.48	−0.35	Park Falls	5.51	Williams Bay	1.78
Wyoming	48.7	−0.3	Powell	93	30	2 stations	8	11	2.32	+0.18	Middle Fork (near)	6.35	Lovell	0.51
Alaska [April]	28.4	−0.4	Sitka	66	21	Barrow	−38	6	1.42	−0.26	Ketchikan	9.00	Barrow	0.01
Hawaii	72.2	+0.2	Kaanapali (Maui)	90	31	Volcano Observatory	49	4	5.02	−1.36	Papaikou (Mauka)		12 stations	0.00
Porto Rico	77.4	+0.2	Utuado	96	5	Guineo Reservoir	47	21	4.75	−1.80	Lares	15.52	Santa Rita	0.81

[1] Other dates also.

TABLE 1.—*Climatological data for Weather Bureau stations, May, 1930*

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01, or more	Wind: Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F		°F.	°F.		°F	°F.	°F.	°F.	%	In.	In.		Miles								0–10	In.	In.
New England							56.8	+2.2										69	3.53	+0.4										6.0		
Eastport	76	67	85	29.82	29.90	−0.06	49.2	+1.5	76	7	57	37	21	41	33	43	38	72	1.26	−1.8	13	6,744	s.	33	e.	26	4	10	17	7.4	0.0	0.0
Greenville, Me.	1,070	6	----	28.76	29.92	------	51.2	------	82	2	62	30	12	40	48	----	----	----	5.17	------	21	4,641	nw.	24	------	4	6	7	18	----	0.0	0.0
Portland, Me.	103	82	117	29.82	29.94	−.03	55.0	+1.7	88	6	63	41	31	47	43	48	43	69	4.95	+1.6	16	5,804	nw.	27	n.	4	9	10	12	5.7	0.0	0.0
Concord	289	70	79	29.63	29.94	−.04	56.8	+2.5	89	7	68	35	11	45	42	----	----	----	2.92	−0.1	13	4,101	nw.	23	nw.	4	10	8	13	5.9	0.0	0.0
Burlington	403	11	48	29.51	29.94	−.03	56.0	−0.5	86	23	65	39	31	47	35	----	----	----	5.18	+2.3	20	5,987	s.	31	s.	2	5	9	17	7.4	0.0	0.0
Northfield	876	12	60	------	29.95	−.02	54.2	+1.4	87	23	65	30	11	43	47	----	----	68	3.80	+1.0	16	4,066	s.	28	nw.	4	3	15	13	7.0	0.0	0.0
Boston	125	106	165	29.80	29.94	−.04	59.4	+2.3	95	7	68	45	20	50	32	51	44	62	3.39	+0.2	11	5,748	nw.	36	nw.	7	8	11	12	5.8	0.0	0.0
Nantucket	12	14	90	29.93	29.94	−.05	54.6	+2.3	77	6	62	42	12	48	26	50	47	79	2.03	−0.8	9	9,829	sw.	42	e.	15	10	13	8	5.2	0.0	0.0
Block Island	26	11	46	29.91	29.94	−.05	56.8	+4.0	79	6	64	46	11	50	26	50	47	76	3.06	−0.4	9	11,112	sw.	43	e.	15	8	15	8	5.6	0.0	0.0
Providence	160	215	251	29.78	29.95	−.03	60.2	+1.7	94	7	70	42	31	50	34	51	43	58	2.21	−0.8	11	8,108	nw.	40	nw.	3	16	5	10	4.6	0.0	0.0
Hartford	159	122	----	29.78	29.96	−.02	61.1	+3.6	93	7	72	43	11	51	32	----	----	----	4.57	+1.0	14	------	nw.	----	------	----	10	10	11	5.7	0.0	0.0
New Haven	106	74	153	29.85	29.96	−.03	61.4	+3.5	95	23	71	42	31	52	37	54	50	69	5.45	+1.8	13	5,848	nw.	29	nw.	4	14	8	9	5.3	0.0	0.0
Middle Atlantic States							64.7	+2.6										63	2.56	−0.9										4.8		
Albany	97	107	115	29.86	29.96	−.02	60.6	+1.3	92	7	70	42	30	51	35	53	47	67	3.02	+0.1	11	4,731	s.	25	sw.	3	16	4	11	4.6	0.0	0.0
Binghamton	871	10	84	29.07	30.00	+.02	59.2	+1.8	90	23	70	38	21	48	41	----	----	----	4.18	+0.9	14	3,851	nw.	24	nw.	3	9	10	12	5.7	0.0	0.0
New York	314	414	454	29.64	29.97	−.02	62.6	+2.0	89	23	71	44	26	54	30	53	46	59	2.89	−0.4	9	10,867	nw.	50	nw.	3	6	13	12	6.3	0.0	0.0
Bellefonte	1,050	5	36	28.90	30.00	------	58.4	------	90	7	72	32	27	45	50	52	46	65	1.88	------	8	------	sw.	----	------	----	8	11	12	5.6	0.0	0.0
Harrisburg	374	94	104	29.62	30.01	+.03	63.8	+2.0	91	7	74	45	27	54	36	54	47	58	2.62	−0.8	7	4,802	w.	25	sw.	2	12	13	6	4.7	0.0	0.0
Philadelphia	114	133	367	29.88	30.01	+.02	66.4	+3.5	94	7	76	47	26	57	29	57	51	62	3.25	0.0	8	9,141	nw.	38	sw.	2	11	14	6	4.7	0.0	0.0
Reading	325	81	98	29.65	30.00	------	63.9	+1.4	93	7	75	44	27	53	35	54	46	56	3.09	0.0	9	4,340	w.	20	nw.	24	14	10	7	4.5	0.0	0.0
Scranton	805	111	119	29.15	30.00	+.02	60.1	+0.7	90	23	71	40	21	49	40	52	45	61	2.58	−0.7	12	4,903	sw.	29	sw.	2	9	11	11	5.6	0.0	0.0
Atlantic City	52	37	172	29.93	29.99	+.01	62.8	+4.7	90	6	71	44	31	55	28	55	50	68	1.95	−1.1	7	11,504	nw.	40	nw.	4	10	15	6	4.8	0.0	0.0
Cape May	17	13	49	------	------	------	63.8	+5.2	90	8	74	46	31	54	32	57	53	74	2.00	−1.0	9	------	nw.	----	------	----	16	8	7	----	0.0	0.0
Sandy Hook	22	10	55	29.94	29.96	------	62.0	------	89	7	70	47	26	54	29	54	49	67	1.83	−1.9	8	9,572	w.	35	s.	2	11	11	9	5.3	0.0	0.0
Trenton	190	159	183	29.78	29.98	------	63.4	+2.3	93	7	74	42	31	52	32	54	46	58	1.99	−1.1	8	7,230	nw.	35	sw.	14	12	10	8	4.9	0.0	0.0
Baltimore	123	100	215	29.88	30.00	+.01	68.4	+4.0	96	7	79	46	26	58	35	57	49	55	2.91	−0.6	5	7,227	sw.	32	nw.	24	14	12	5	4.4	0.0	0.0
Washington	112	62	85	29.90	30.02	+.02	67.3	+3.6	95	7	78	55	26	56	43	56	48	56	1.81	−1.9	8	4,252	nw.	25	nw.	24	14	12	5	4.3	0.0	0.0
Cape Henry	18	8	54	30.00	30.02	------	68.6	+4.4	93	7	77	53	27	60	35	61	56	70	2.88	−0.7	7	7,948	sw.	42	n.	24	13	9	9	4.4	0.0	0.0
Lynchburg	681	153	188	29.31	30.04	+.04	68.4	+1.1	92	8	80	45	26	56	37	59	53	61	1.75	−1.9	8	4,857	w.	30	sw.	5	14	11	6	4.4	0.0	0.0
Norfolk	91	170	205	29.94	30.04	+.04	69.0	+2.8	91	8	79	50	31	59	34	59	53	63	1.63	−2.2	6	8,386	sw.	37	n.	24	11	10	10	4.6	0.0	0.0
Richmond	144	11	52	29.88	30.03	+.04	68.8	+2.3	92	7	80	47	31	57	42	59	52	59	2.71	−1.1	9	5,029	sw.	25	w.	28	16	10	5	3.5	0.0	0.0
Wytheville	2,304	49	55	27.70	30.04	+.05	62.1	+0.7	85	5	74	39	26	51	39	55	50	69	2.45	−1.2	14	3,604	w.	23	sw.	28	13	11	7	4.5	0.0	0.0
South Atlantic States							72.3	+2.1										70	2.20	−1.3										5.3		
Asheville	2,253	70	84	27.75	30.07	+.08	63.8	+1.2	84	5	74	42	31	54	32	57	53	74	2.56	−0.9	14	4,198	nw.	32	se.	19	10	12	9	5.4	0.0	0.0
Charlotte	779	55	62	29.23	30.06	+.07	71.9	+3.0	90	5	82	48	31	62	30	61	56	64	3.08	−0.6	8	2,440	s.	26	nw.	13	10	7	14	5.7	0.0	0.0
Greensboro	886	5	56	29.12	30.06	------	68.2	------	90	5	81	42	26	56	39	60	56	69	6.04	------	8	5,320	sw.	31	w.	6	12	8	11	5.1	0.0	0.0
Hatteras	11	5	50	30.04	30.04	+.03	70.4	+1.7	85	20	77	54	22	64	24	67	64	81	1.96	−1.8	6	8,655	sw.	37	n.	30	16	6	9	4.4	0.0	0.0
Raleigh	376	103	110	29.65	30.04	+.05	70.8	+2.3	91	8	81	46	31	60	32	62	56	65	2.02	−1.8	8	4,043	sw.	25	ne.	29	11	8	12	5.3	0.0	0.0
Wilmington	78	81	91	29.99	30.07	+.06	72.4	+1.6	89	20	81	50	31	64	25	66	63	77	1.51	−1.9	6	4,730	sw.	18	w.	28	12	12	7	4.7	0.0	0.0
Charleston	48	11	92	30.03	30.08	+.07	75.0	+2.3	92	20	82	54	31	68	21	68	65	76	0.76	−2.2	6	6,252	sw.	24	n.	30	11	7	13	5.3	0.0	0.0
Columbia, S. C.	351	41	57	29.69	30.07	+.07	73.8	+1.9	92	28	84	50	31	64	29	63	58	65	2.95	−0.1	9	4,201	s.	30	sw.	13	11	9	11	5.2	0.0	0.0
Due West	711	10	55	29.33	30.10	------	71.3	------	91	3	82	49	31	61	30	----	----	----	2.31	------	13	5,264	sw.	26	w.	19	8	8	15	6.0	0.0	0.0
Greenville, S. C.	1,039	139	146	28.97	30.06	------	70.6	+3.4	88	5	80	52	31	61	28	61	56	66	2.27	−1.8	9	5,287	w.	29	w.	15	8	9	14	6.0	0.0	0.0
Augusta	182	62	77	29.86	30.05	+.06	75.2	+2.8	92	18	86	50	31	64	30	65	59	62	1.44	−1.6	6	3,559	s.	23	nw.	3	8	14	9	5.3	0.0	0.0
Savannah	65	150	194	30.00	30.07	+.07	75.4	+2.0	92	20	84	54	31	67	28	67	63	73	1.94	−1.1	6	6,691	s.	27	n.	30	9	10	12	5.5	0.0	0.0
Jacksonville	43	209	245	30.02	30.07	+.07	75.7	+0.7	92	18	83	62	31	68	24	68	64	74	3.70	−0.3	9	6,549	e.	28	ne.	31	9	12	10	5.4	0.0	0.0
Florida Peninsula							78.7	+1.5										74	6.09	+1.8										5.1		
Key West	22	10	64	29.98	30.00	+.03	79.8	+0.7	87	21	85	69	1	75	14	73	71	75	3.23	−0.3	8	6,633	se.	26	sw.	30	13	12	6	4.7	0.0	0.0
Miami	25	124	168	30.01	30.04	+.04	78.6	+2.2	86	17	83	68	2	74	16	72	69	73	8.85	+2.6	11	7,057	e.	32	sw.	30	7	15	9	5.6	0.0	0.0
Tampa	35	79	197	30.01	30.04	+.05	77.8	+1.5	92	21	87	63	23	68	26	70	66	74	6.20	+3.2	5	6,708	se.	50	ne.	23	10	13	8	5.3	0.0	0.0
Titusville	44	5	----	30.01	30.06	------	78.3	------	94	20	88	61	3	69	28	----	----	----	6.49	------	10	------	e.	----	------	----	11	11	9	4.7	0.0	0.0
East Gulf States							73.6	+1.1										70	4.60	+0.8										5.4		
Atlanta	1,173	190	216	28.85	30.07	+.08	70.4	+0.5	88	5	79	53	31	62	25	61	56	66	6.50	+3.0	14	5,697	nw.	26	nw.	24	8	10	13	6.1	0.0	0.0
Macon	370	78	87	29.67	30.06	+.07	73.9	+1.6	91	28	85	52	31	63	32	64	58	62	1.05	−1.9	8	3,632	s.	19	w.	19	13	7	11	5.0	0.0	0.0
Thomasville	273	49	103	29.76	30.05	+.06	76.1	+2.1	91	5	87	50	2	65	27	66	61	66	1.29	−2.3	5	4,298	se.	19	sw.	23	5	15	11	5.9	0.0	0.0
Apalachicola	36	11	51	30.01	30.05	------	75.8	------	90	20	82	63	3	70	21	69	66	73	0.62	−2.8	4	5,843	se.	28	e.	27	15	13	3	3.7	0.0	0.0
Pensacola	56	149	185	29.99	30.05	+.06	74.4	+0.5	84	12	80	60	25	69	21	68	65	75	0.90	−2.5	3	8,169	s.	28	s.	16	9	12	10	5.8	0.0	0.0
Anniston	741	9	57	29.30	30.08	+.09	70.6	+2.2	91	4	82	46	31	59	35	----	----	----	7.91	+4.0	12	2,554	s.	13	w.	14	17	2	12	4.7	0.0	0.0
Birmingham	700	11	48	29.31	30.06	+.08	72.0	+0.9	90	5	82	49	31	62	30	63	58	67	7.94	+4.0	10	3,798	s.	20	s.	7	13	6	12	5.2	0.0	0.0
Mobile	57	125	161	29.98	30.04	+.05	74.6	+0.2	88	12	82	58	25	67	25	68	65	77	3.54	−0.8	5	6,856	s.	30	se.	6	3	16	12	6.4	0.0	0.0
Montgomery	223	100	112	29.81	30.06	+.07	74.9	+1.5	91	5	84	54	31	65	27	64	58	62	2.10	−1.7	6	3,961	s.	19	n.	30	9	8	14	5.9	0.0	0.0
Corinth	469	6	----	------	------	------	71.3	------	90	12	82	48	31	60	37	----	----	----	6.32	------	12	------	se.	----	------	----	8	18	5	----	0.0	0.0
Meridian	375	87	95	29.65	30.04	+.06	72.7	+1.4	88	7	82	53	31	63	29	65	60	70	8.54	+4.2	9	3,582	s.	26	sw.	17	9	9	13	5.7	0.0	0.0
Vicksburg	247	65	73	29.76	30.03	+.06	73.1	+0.2	87	8	82	55	31	64	27	65	62	74	10.54	+6.2	10	4,281	s.	24	sw.	23	11	12	8	4.9	0.0	0.0
New Orleans	53	76	84	29.97	30.02	+.05	76.5	+1.1	88	18	84	60	31	69	20	69	66	77	4.31	−0.3	4	4,777	se.	22	ne.	16	9	13	9	5.7	0.0	0.0
West Gulf States							72.7	−0.7										78	7.15	+3.1										6.3		
Shreveport	249	77	93	29.73	29.99	+.04	73.0	−0.6	87	22	81	57	31	65	26	66	62	73	6.42	+2.2	11	3,969	se.	19	w.	6	8	9	14	5.6	0.0	0.0
Bentonville	1,303	11	44	28.60	29.94	+.01	64.7	−1.7	82	8	75	43	31	54	33	----	----	----	5.82	------	13	3,940	s.	40	se.	8	21	5	5	----	0.0	0.0
Fort Smith	457	79	94	29.49	29.96	+.03	68.8	−0.8	87	21	78	50	24	59	28	62	58	72	7.44	+2.6	14	5,218	e.	36	nw.	22	13	7	11	5.0	0.0	0.0
Little Rock	357	136	153	29.63	29.99	+.04	69.9	−0.4	85	28	78	54	31	62	25	63	58	71	11.12	+6.3	14	5,447	s.	29	e.	10	13	5	13	5.3	0.0	0.0
Austin	605	136	148	29.30	29.93	------	73.1	−1.5	88	19	81	52	7	65	32	68	65	79	8.97	+4.3	12	5,097	se.	34	n.	18	5	11	15	6.6	0.0	0.0
Brownsville	57	83	100	29.84	29.90	------	78.6	0.0	92	18	84	67	24	73	21	74	72	88	5.07	+2.8	10	8,730	se.	32	se.	16	2	11	18	7.6	0.0	0.0
Corpus Christi	20	11	78	29.90	29.92	+.02	77.1	+0.9	90	18	81	66	24	73	18	73	71	86	4.37	+1.2	11	9,737	se.	44	se.	9	1	7	23	8.3	0.0	0.0
Dallas	512	220	227	29.40	29.94	------	70.7	------	85	29	78	56	23	63	23	----	----	----	11.23	+6.8	14	8,589	se.	57	se.	6	15	8	8	4.2	0.0	0.0
Fort Worth	670	106	114	29.23	29.93	+.02	71.2	−1.1	88	29	80	55	24	63	27	65	61	74	10.37	+5.7	14	6,690	se.	39	se.	6	8	7	16	6.5	0.0	0.0
Galveston	54	106	114	29.93	29.99	+.05	75.5	+0.7	84	23	79	64	19	72	15	71	69	84	2.69	−0.7	9	8,964	se.	39	se.	10	4	12	15	7.2	0.0	0.0
Groesbeck	461	11	56	29.47	29.95	------	71.3	------	86	29	79	54	25	64	24	----	----	----	9.93	+5.9	12	6,743	se.	31	w.	6	8	7	16	6.4	0.0	0.0
Houston	138	292	314	29.82	29.97	------	74.4	−1.1	87	7	81	59	25	68	23	----	----	----	6.00	+1.5	14	8,852	se.	38	se.	6	8	7	16	6.5	0.0	0.0
Palestine	510	64	72	29.45	29.98	+.05	71.2	−1.5	86	29	79	55	31	63	26	65	62	77	8.20	+3.7	9	4,787	s.	30	se.	6	10	6	15	6.3	0.0	0.0
Port Arthur	34	58	66	29.94	29.98	------	75.6	------	86	14	81	60	26	70	22	----	----	----	8.09	+4.0	12	5,648	se.	24	e.	11	7	7	17	6.4	0.0	0.0
San Antonio	693	119	132	29.20	29.92	+.02	75.0	−0.1	91	19	83	58	7	67	28	67	64	73	0.89	−2.3	15	5,167	se.	26	se.	5	4	11	16	7.4	0.0	0.0
Taylor	571	55	63	29.36	29.96	+.05	72.4	−1.9	88	22	80	55	7	64	29	----	----	----	6.48	+2.5	13	5,504	se.	28	se.	6	9	7	15	5.9	0.0	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, May, 1930*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature: Departure from normal	Temperature: Maximum	Temperature: Date	Temperature: Mean maximum	Temperature: Minimum	Temperature: Date	Temperature: Mean minimum	Temperature: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01, or more	Wind: Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.
Ohio Valley and Tennessee							65.9	+1.0										64	2.64	-1.1										5.1		
Chattanooga	762	190	215	29.25	30.06	+0.07	68.4	-0.4	86	6	77	52	31	60	29	61	56	70	6.27	+2.5	17	4,615	sw.	30	sw.	18	11	9	11	5.7	0.0	0.0
Knoxville	995	102	111	29.02	30.06	+.07	68.5	+1.3	88	4	79	47	31	58	31	60	55	69	4.21	+0.5	13	4,155	sw.	22	s.	19	9	11	11	5.6	0.0	0.0
Memphis	399	76	97	29.60	30.01	+.05	70.6	0.0	86	22	78	53	24	63	26	63	59	70	5.86	+1.7	10	4,360	sw.	30	w.	10	12	9	10	4.7	0.0	0.0
Nashville	546	168	191	29.49	30.07	+.09	68.0	-0.2	88	4	77	51	30	60	28	61	56	67	5.23	+1.4	11	5,505	s.	35	sw.	8	13	8	10	4.7	0.0	0.0
Lexington	989	193	230	29.02	30.07	+.08	65.4	+1.1	88	6	75	45	31	56	32	----	----	----	3.35	-0.5	8	8,147	sw.	32	sw.	7	14	9	8	4.2	0.0	0.0
Louisville	525	188	234	29.48	30.06	+.08	67.2	+0.6	88	6	77	48	31	58	33	58	52	63	1.46	-2.3	10	6,616	s.	34	sw.	2	14	12	5	4.3	0.0	0.0
Evansville	431	76	116	29.57	30.03	+.06	67.8	+1.1	85	8	77	48	31	59	28	59	52	62	1.02	-2.8	10	6,090	s.	36	sw.	7	10	9	12	5.4	0.0	0.0
Indianapolis	822	194	230	29.14	30.02	+.05	64.1	+1.2	85	6	74	42	29	55	29	55	49	62	1.69	-2.2	10	7,493	s.	33	w.	2	11	13	7	4.9	0.0	0.0
Royal Center	736	11	55	29.22	30.02	------	61.0	------	84	9	71	36	29	51	33	----	----	----	2.03	-2.0	12	7,109	s.	36	w.	2	11	8	12	5.6	0.0	0.0
Terre Haute	575	96	129	29.40	30.01	------	65.0	------	86	8	75	43	31	55	34	56	50	62	1.28	-2.6	10	6,484	s.	32	w.	2	13	6	12	5.2	0.0	0.0
Cincinnati	627	11	51	29.37	30.04	+.05	65.4	+2.3	89	6	76	42	31	55	33	57	50	62	1.01	-2.7	8	4,462	s.	27	w.	23	13	9	9	4.6	0.0	0.0
Columbus	822	179	222	29.17	30.04	+.06	64.4	+2.1	89	6	74	42	31	54	31	55	48	60	1.04	-2.6	13	6,372	s.	43	nw.	5	10	12	9	5.3	0.0	0.0
Dayton	899	137	173	29.08	30.03	------	64.8	+2.2	88	6	74	43	31	55	31	56	50	62	2.64	-1.0	9	5,895	sw.	33	w.	2	13	12	6	4.4	0.0	0.0
Elkins	1,947	59	67	28.03	30.05	+.05	60.0	+0.8	86	10	72	31	26	48	43	53	48	68	1.98	-2.1	11	3,363	w.	25	nw.	28	7	14	10	6.2	0.0	0.0
Parkersburg	637	77	82	29.41	30.07	+.08	65.6	+1.8	90	10	77	39	26	54	35	56	49	59	1.29	-2.1	8	3,612	sw.	24	nw.	19	12	8	11	5.3	0.0	0.0
Pittsburgh	842	353	410	29.14	30.03	+.04	63.0	+0.6	88	9	73	37	30	53	34	54	48	63	1.95	-1.3	11	6,712	sw.	36	sw.	2	14	7	10	5.1	0.0	0.0
Lower Lake Region							59.1	+1.7										69	2.50	-0.7										5.4		
Buffalo	767	247	280	29.16	29.99	+.02	54.1	-0.5	83	23	62	35	30	46	28	49	45	74	1.17	-1.9	10	11,336	sw.	52	sw.	2	11	10	10	5.0	0.0	0.0
Canton	448	10	61	29.46	29.93	------	56.0	-0.2	85	23	66	33	18	46	31	----	----	----	3.10	+0.1	16	6,843	sw.	36	sw.	2	6	13	12	6.1	0.0	0.0
Ithaca	836	5	100	29.09	29.99	------	57.8	+0.3	88	23	68	38	21	47	39	51	46	67	3.49	+0.1	13	6,046	nw.	34	nw.	3	7	10	14	6.2	0.0	0.0
Oswego	335	76	91	29.61	29.98	+.01	55.0	-0.2	84	23	64	39	31	46	34	51	47	73	2.83	-0.2	16	6,159	w.	24	nw.	2	9	11	11	5.8	0.0	0.0
Rochester	523	86	102	29.43	30.00	+.03	59.0	+1.9	90	23	68	37	31	50	29	52	46	64	2.53	-0.4	14	6,598	w.	33	w.	1	12	10	9	4.8	0.0	0.0
Syracuse	596	65	79	29.34	29.99	+.01	60.1	+2.8	90	23	69	38	31	51	30	----	----	----	3.39	+0.4	15	5,091	w.	28	w.	3	11	8	12	5.6	0.0	0.0
Erie	714	130	166	29.25	30.01	+.03	60.0	+3.2	86	23	68	40	27	52	24	54	50	73	1.61	-1.8	13	8,569	sw.	40	sw.	2	15	10	6	4.2	0.0	0.0
Cleveland	762	267	337	29.20	30.02	+.04	61.8	+3.9	86	23	69	42	18	54	25	53	46	61	1.87	-1.2	15	8,789	w.	44	sw.	2	10	11	10	5.3	0.0	0.0
Sandusky	629	5	67	29.34	30.02	+.04	61.8	+2.6	88	23	71	42	26	53	34	----	----	----	2.79	-0.4	14	5,852	s.	29	sw.	2	6	16	9	5.9	0.0	0.0
Toledo	628	208	243	29.34	30.02	+.05	61.5	+2.1	86	6	70	40	30	53	31	53	48	64	1.05	-2.4	9	8,880	sw.	43	sw.	2	12	13	6	4.6	0.0	0.0
Fort Wayne	856	113	124	29.09	30.02	------	61.6	+1.4	87	10	71	40	29	52	36	54	49	67	2.99	-0.9	13	6,094	sw.	29	sw.	2	13	5	13	5.5	0.0	0.0
Detroit	730	218	258	29.23	30.02	+.05	61.0	+3.0	87	23	70	40	30	52	35	55	51	76	3.15	-0.1	14	6,548	w.	42	w.	2	9	12	10	5.4	0.0	0.0
Upper Lake Region							54.9	+2.1										70	2.50	-0.7										5.6		
Alpena	609	13	92	29.32	29.99	+.02	54.1	+3.6	90	22	64	33	18	44	36	48	42	68	3.67	+0.6	17	7,653	nw.	44	nw.	23	9	11	11	5.8	0.0	0.0
Escanaba	612	54	60	29.30	29.96	-.01	51.2	+1.6	80	1	60	29	17	43	37	46	41	70	2.46	-0.5	13	6,641	s.	34	nw.	2	10	12	9	5.2	0.0	0.0
Grand Haven	632	54	89	29.30	29.98	+.02	55.0	+0.5	88	10	63	35	25	46	32	49	44	71	1.61	-1.6	14	8,006	s.	30	s.	1	8	9	14	6.3	0.0	0.0
Grand Rapids	707	70	87	29.24	30.01	+.04	59.8	+1.8	88	9	70	35	30	50	32	51	45	63	2.39	-1.0	14	8,354	sw.	54	sw.	2	8	12	11	6.0	0.0	0.0
Houghton	668	64	99	29.21	29.94	-.03	51.4	+1.9	90	21	61	32	17	42	36	----	----	----	2.04	-1.0	14	7,253	e.	32	w.	2	5	13	13	6.4	0.5	0.0
Lansing	878	6	49	29.06	30.00	------	57.8	+0.9	86	9	68	34	30	47	34	53	49	76	3.36	-0.1	14	3,006	sw.	29	nw.	2	9	15	7	5.1	0.0	0.0
Ludington	637	60	66	29.28	29.98	------	53.6	+1.4	86	10	62	35	25	45	30	49	44	72	1.51	-1.5	10	6,830	s.	32	s.	1	12	11	8	4.6	T.	0.0
Marquette	734	77	111	29.15	29.96	-.01	52.0	+3.0	88	5	62	31	26	42	38	47	41	69	2.44	-0.5	14	6,569	w.	37	nw.	2	5	12	14	6.5	0.3	0.0
Port Huron	638	70	120	29.31	30.00	+.03	57.6	+2.4	83	6	67	36	27	48	33	52	48	74	2.82	-0.2	14	6,943	ne.	37	w.	2	8	18	5	4.7	0.0	0.0
Sault Sainte Marie	614	11	52	29.28	29.98	+.03	51.8	+2.8	83	5	61	29	18	42	37	47	42	71	2.89	-0.1	10	6,169	nw.	43	nw.	2	15	12	4	3.8	T.	0.0
Chicago	673	7	131	29.27	30.00	+.04	61.2	+3.7	86	6	69	43	17	53	31	53	48	65	2.16	-1.4	11	7,525	sw.	29	sw.	5	7	16	8	5.7	0.0	0.0
Green Bay	617	109	141	29.29	29.95	.00	56.8	+1.9	86	5	66	31	17	48	35	50	45	66	1.94	-1.6	10	7,755	s.	42	w.	1	6	11	14	6.5	0.0	0.0
Milwaukee	681	125	221	29.24	29.98	+.02	56.8	+2.7	85	22	65	38	17	48	32	51	46	72	2.30	-1.0	8	8,785	sw.	40	nw.	1	7	13	11	6.0	0.0	0.0
Duluth	1,133	5	47	28.72	29.94	-.02	49.0	+1.7	78	1	58	27	17	40	41	43	38	71	3.47	+0.2	14	9,394	ne.	45	nw.	1	10	8	13	5.6	0.0	0.0
North Dakota							51.5	-2.6										65	2.40	-0.1										5.9		
Moorhead	940	50	58	28.88	29.89	-.05	53.4	-1.7	93	21	64	28	17	43	41	47	41	66	2.68	-0.2	14	6,744	s.	28	nw.	21	8	6	17	6.6	T.	0.0
Bismarck	1,674	8	57	28.12	29.90	-.02	51.5	-3.0	87	20	63	29	17	40	40	44	37	63	2.19	-0.1	9	8,026	n.	34	nw.	21	12	8	11	5.3	1.5	0.0
Devils Lake	1,478	11	44	28.33	29.91	-.03	49.9	-2.7	87	3	61	28	16	39	37	44	38	70	3.61	+1.6	12	8,206	n.	48	ne.	6	6	11	14	6.4	T.	0.0
Ellendale	1,457	10	56	28.34	29.90	------	52.1	------	89	21	63	26	17	41	39	----	----	----	2.25	-0.8	12	11,552	nw.	43	nw.	21	6	9	16	6.7	T.	0.0
Grand Forks	833	12	67	------	------	------	52.2	------	92	21	64	28	17	41	45	47	----	----	4.28	------	13	------	nw.	39	w.	21	15	7	9	----	T.	0.0
Williston	1,878	41	48	27.93	29.91	-.02	51.2	-2.8	86	3	63	27	16	40	36	44	36	60	1.29	-0.8	8	6,728	se.	34	nw.	22	14	10	7	4.5	2.5	0.0
Upper Mississippi Valley							62.0	+0.5										66	2.83	-1.2										5.3		
Minneapolis	918	102	208	28.91	29.88	------	58.4	+0.7	86	21	68	32	17	48	30	----	----	----	3.38	-0.3	11	8,461	se.	34	s.	11	7	9	15	6.2	0.0	0.0
St. Paul	837	236	261	29.00	29.90	-.04	57.6	-0.3	84	21	68	32	17	48	30	----	----	----	3.39	+0.1	11	9,212	se.	42	sw.	6	8	9	14	5.8	0.0	0.0
La Crosse	714	11	48	29.15	29.92	-.02	59.4	+0.1	87	21	70	32	17	49	35	53	47	66	2.55	-1.2	11	3,508	se.	21	nw.	1	7	11	13	6.1	0.0	0.0
Madison	974	70	78	28.92	29.97	+.01	58.2	+0.6	83	21	67	36	18	49	33	52	46	68	4.23	+0.4	14	6,125	se.	29	w.	1	8	11	12	5.8	0.0	0.0
Wausau	1,247	4	64	28.62	29.95	------	56.2	------	86	21	67	31	25	46	38	----	----	----	2.24	-1.4	7	4,904	s.	21	se.	7	7	7	17	6.5	0.0	0.0
Charles City	1,015	10	51	28.88	29.95	+.01	58.5	+0.7	87	21	69	32	17	48	33	52	47	68	5.63	+1.3	12	5,144	se.	23	sw.	21	12	7	12	4.8	0.0	0.0
Davenport	606	71	79	29.31	29.97	+.02	62.8	+1.5	88	21	73	39	18	53	33	54	48	64	2.13	-1.8	9	8,509	sw.	40	nw.	1	9	13	9	5.3	0.0	0.0
Des Moines	861	5	99	29.04	29.94	+.01	61.1	-0.2	87	21	71	38	17	51	33	54	49	67	3.36	-1.2	9	7,698	s.	36	nw.	1	9	6	16	5.9	0.0	0.0
Dubuque	700	81	96	29.21	29.95	.00	60.3	0.0	88	21	70	37	17	50	35	54	48	67	4.33	+0.1	12	4,875	se.	23	s.	7	11	11	9	5.2	0.0	0.0
Keokuk	614	64	78	29.31	29.98	+.04	63.8	0.0	89	21	74	38	17	54	30	56	50	64	2.18	-1.8	13	6,106	s.	37	sw.	7	15	7	9	4.5	0.0	0.0
Cairo	358	87	93	29.64	30.02	+.06	68.4	0.0	86	28	77	51	31	60	25	60	55	67	2.49	-1.2	10	5,269	s.	31	sw.	2	11	8	12	5.3	0.0	0.0
Peoria	609	11	45	29.33	30.00	+.04	63.3	+1.6	88	8	74	37	30	52	34	55	50	67	1.07	-3.0	12	4,770	s.	29	w.	1	14	7	10	4.5	0.0	0.0
Springfield, Ill	636	154	191	29.32	29.98	+.03	64.0	+0.8	87	8	74	40	30	54	29	56	49	62	1.65	-2.7	9	9,041	s.	42	s.	7	12	12	7	5.0	0.0	0.0
Hannibal	534	74	109	29.42	29.99	+.05	64.7	+1.1	89	21	75	40	31	54	36	----	----	----	2.08	-2.3	11	6,983	sw.	40	sw.	7	14	10	7	4.1	0.0	0.0
St. Louis	568	265	303	29.39	29.99	+.04	67.3	+0.4	88	8	76	46	30	58	27	58	51	61	1.69	-2.6	8	9,140	s.	50	sw.	7	15	10	6	4.0	0.0	0.0
Missouri Valley							60.6	-0.9										66	3.80	-0.2										5.0		
Columbia, Mo	784	6	84	29.15	29.98	+.04	64.2	-0.1	88	21	74	44	20	54	32	----	----	----	2.88	-1.6	11	5,539	s.	30	w.	1	13	10	8	4.5	0.0	0.0
Kansas City	963	161	181	28.92	29.95	+.03	63.9	-0.9	86	21	73	41	18	55	32	56	50	65	4.39	-0.3	9	7,400	s.	40	sw.	7	12	13	6	4.5	0.0	0.0
St. Joseph	967	11	49	28.91	29.94	------	63.2	------	86	21	73	41	18	54	36	55	50	67	4.45	+0.2	12	6,223	sw.	39	nw.	7	13	10	8	4.8	0.0	0.0
Springfield, Mo	1,324	98	104	28.61	30.00	+.07	63.8	-0.7	83	8	73	46	20	55	28	57	52	68	4.40	-0.8	12	7,282	s.	33	se.	6	19	8	4	2.7	0.0	0.0
Iola	984	11	50	28.91	29.95	+.03	63.9	-1.3	87	28	74	44	31	53	34	----	----	----	4.12	-0.6	10	4,578	s.	18	se.	6	14	10	7	4.4	0.0	0.0
Topeka	987	92	107	------	------	------	63.8	-0.5	88	27	74	43	17	54	36	----	----	----	3.89	-0.6	9	7,305	sw.	30	sw.	7	14	7	10	4.4	0.0	0.0
Lincoln	1,189	11	81	28.66	29.92	+.01	61.4	-0.3	88	21	72	39	17	51	35	55	50	71	3.10	-1.0	12	7,491	s.	36	n.	7	9	10	12	5.5	0.0	0.0
Omaha	1,105	115	122	28.76	29.93	+.01	61.6	-0.8	89	21	71	38	18	52	36	53	46	62	2.74	-1.0	10	5,504	s.	24	nw.	7	14	7	10	5.0	0.0	0.0
Valentine	2,598	47	54	27.22	29.92	+.02	54.3	-1.9	92	21	66	30	17	43	45	47	40	66	3.82	+1.0	14	7,846	n.	36	s.	31	6	11	14	6.3	5.5	0.0
Sioux City	1,135	94	164	28.72	29.93	+.01	59.6	-0.8	88	21	69	35	17	50	39	52	45	64	5.88	+1.8	10	9,438	nw.	52	s.	6	8	10	13	6.1	0.0	0.0
Huron	1,306	59	74	28.52	29.92	.00	55.4	-1.0	87	21	66	30	17	45	41	49	43	67	4.48	+1.5	10	7,653	nw.	33	s.	25	12	7	12	5.5	T.	0.0
Pierre	1,572	70	75	28.24	29.90	-.01	56.3	-1.7	94	21	67	32	17	46	42	48	40	60	1.68	-0.8	7	7,811	nw.	36	nw.	21	7	10	14	6.1	T.	0.0
Yankton	1,233	49	57	28.61	29.92	.00	58.6	-0.8	87	21	68	36	17	49	30	----	----	----	3.55	-0.3	12	6,265	nw.	26	s.	21	11	7	13	5.5	0.0	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, May, 1930*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01, or more	Wind: Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0–10	In.	In.
Northern Slope							**51.8**	**−0.9**										**60**	**2.51**	**+0.1**										**6.1**		
Billings	3,140	5					55.1		86	2	71	28	10	39	52				0.42		5		nw.				6	14	11		0.0	0.0
Havre	2,505	11	44	27.26	29.88	−0.02	54.2	+0.8	84	2	66	31	16	42	42	44	34	53	0.88	−1.2	9	5,426	e.	31	nw.	24	7	14	10	5.7	T.	0.0
Helena	4,124	89	113	25.70	29.86	−.07	52.4	+0.8	83	28	64	31	11	41	40	43	35	56	0.80	−1.5	8	5,972	sw.	34	sw.	20	3	13	15	6.9	T.	0.0
Kalispell	2,973	48	56	26.83	29.87	−.01	51.3	−0.1	80	27	62	30	7	41	41	43	35	59	1.87	+0.4	13	4,417	nw.	25	sw.	29	10	16	5	5.4	0.0	0.0
Miles City	2,371	48	55	27.38	29.92	+.01	55.2	−1.5	85	20	66	35	10	44	38	45	36	54	1.30	−0.9	9	5,134	nw.	26	se.	29	7	16	8	5.6	0.0	0.0
Rapid City	3,259	50	58	26.55	29.95	+.05	52.6	−1.4	85	25	63	32	18	42	41	45	37	60	0.92	−2.6	9	6,310	n.	36	nw.	21	4	9	18	7.1	T.	0.0
Cheyenne	6,088	84	101	23.95	29.90	+.05	46.8	−3.5	78	21	58	20	18	36	40	41	36	73	4.95	+2.5	18	7,836	w.	36	nw.	21	5	11	15	6.9	10.3	0.0
Lander	5,372	60	68	24.54	29.85	−.03	50.7	−0.5	83	28	63	30	10	39	38	42	33	60	5.70	+3.4	10	4,097	w.	38	sw.	21	9	14	8	5.4	3.4	0.0
Sheridan	3,790	10	47	26.01	29.88		52.3		84	25	65	29	23	39	49	44	37	63	1.50	−1.2	12	4,174	nw.	34	se.	29	5	12	14	6.3	0.0	0.0
Yellowstone Park	6,241	11	48		29.88	−.03	46.5	−0.9	78	28	58	25	23	35	39			59	1.04	−1.2	8	5,649	sw.	34	sw.	20	4	11	16		0.2	0.0
North Platte	2,821	11	51	27.00	29.90	+.02	56.8	−1.9	92	26	68	33	17	46	41	48	42	66	6.10	+3.3	13	5,274	e.	28	n.	10	10	6	15	5.8	3.1	0.0
Middle Slope							**61.3**	**−1.2**										**65**	**4.48**	**+0.9**										**4.8**		
Denver	5,292	106	113	24.65	29.87	+.03	54.6	−1.6	87	21	67	30	18	43	42	44	34	54	1.07	−1.1	10	5,359	s.	34	se.	31	8	13	10	5.7	1.0	0.0
Pueblo	4,685	80	86	25.18	29.81	−.02	57.8	−1.4	88	21	71	31	11	44	42	46	35	54	2.12	+0.5	12	4,956	e.	36	s.	3	11	14	6	5.0	0.0	0.0
Concordia	1,392	50	58	28.48	29.94	+.03	62.2	−1.0	87	21	72	39	17	52	31	55	50	68	5.52	+1.3	15	6,003	s.	26	sw.	21	12	9	10	4.8	T.	0.0
Dodge City	2,509	11	51	27.35	29.92	+.05	61.8	−1.7	91	21	74	36	19	50	41	53	47	66	3.28	+0.4	8	6,914	se.	33	se.	21	18	5	8	3.7	0.0	0.0
Wichita	1,358	139	158	28.50	29.92	+.02	63.8	−1.3	86	28	73	44	18	55	26	57	52	72	5.02	+0.6	12	9,277	s.	35	s.	10	15	6	10	4.7	0.0	0.0
Broken Arrow	765	11	56	29.14	29.96		65.8		82	21	75	49	31	57	26				6.79	+2.0	11	9,186	s.	44	nw.	17	14	8	9	4.6	0.0	0.0
Oklahoma City	1,214	10	47	28.66	29.92	+.03	67.4	−0.3	87	27	77	48	19	58	28	62	57	74	7.53	+2.6	11	6,800	s.	40	sw.	6	11	7	13	5.3	0.0	0.0
Southern Slope							**70.0**	**−0.6**										**57**	**2.09**	**−0.6**										**4.7**		
Abilene	1,738	10	52	28.12	29.89	+.02	72.7	+0.7	93	22	84	48	24	62	34	61	54	61	5.39	+1.4	8	7,637	s.	51	sw.	6	12	6	13	5.5	0.0	0.0
Amarillo	3,676	10	49	26.21	29.88	+.04	64.6	+0.5	92	21	77	43	11	52	35	52	42	56	1.49	−1.3	8	7,173	s.	30	w.	10	15	13	3	3.5	0.0	0.0
Del Rio	944	64	71	28.90	29.87	+.02	76.6	−0.4	94	6	85	53	7	68	35	67	61	68	1.01	−1.9	8	6,941	se.	42	nw.	6	6	6	19	6.6	0.0	0.0
Roswell	3,566	75	85	26.28	29.83	+.01	66.0	−3.4	97	21	80	37	11	52	40	51	35	42	0.48	−0.6	5	6,678	s.	34	ne.	22	19	7	5	3.3	0.0	0.0
Southern Plateau							**61.6**	**−3.8**										**38**	**0.62**	**+0.3**										**2.6**		
El Paso	3,778	152	175	26.11	29.82	+.04	69.1	−2.4	95	21	82	38	6	56	38	49	26	28	0.62	+0.3	4	8,472	w.	44	w.	6	22	9	0	2.0	0.0	0.0
Santa Fe	7,013	38	53	23.20	29.81	.00	52.4	−3.3	80	21	65	29	10	40	34	40	25	39	0.41	−0.8	6	5,140	sw.	27	s.	31	10	12	9	4.6	T.	0.0
Flagstaff	6,907	10	59	23.29	29.83	+.05	45.4	−5.3	74	27	60	14	9	31	42	35		53	0.73		7	6,642	sw.	30	sw.	30	10	15	6		4.8	0.0
Phoenix	1,103	10	107	28.68	29.82	+.04	71.7	−3.3	101	20	86	46	4	57	39	53	34	33	1.31	+1.2	3	4,043	w.	23	sw.	30	22	5	4	2.4	T.	0.0
Yuma	141	9	54	29.69	29.84	+.05	72.0	−4.2	102	20	88	45	9	56	42	55	38	38	0.12	+0.1	1	4,285	w.	29	n.	22	25	6	0	1.4	0.0	0.0
Independence	3,957	6	27	25.86	29.86	+.02	58.8	−4.2	89	28	73	31	5	45	39	43			0.64	+0.5	3		nw.				16	4	11		0.0	0.0
Middle Plateau							**53.5**	**−2.4**										**52**	**1.45**	**+0.5**										**5.3**		
Reno	4,532	71	81	25.38	29.88	−.03	51.4	−2.2	82	26	64	29	7	39	43	41	31	53	0.43	−0.2	7	5,789	w.	34	w.	2	10	13	8	5.1	1.5	0.0
Tonopah	6,090	12	23				48.5		77	20	58	21	7	39	29	39	30	57	0.71		9		nw.									
Winnemucca	4,344	18	56	25.52	29.89	−.02	51.6	−2.3	84	27	65	28	22	38	40	42	34	61	2.54	+1.7	14	4,440	sw.	34	w.	20	9	9	13	5.9	1.8	0.0
Modena	5,473	10	43	24.51	29.81	−.01	49.2	−4.3	79	28	63	25	9	36	45	39	28	53	1.28	+0.5	9	8,645	sw.	41	sw.	29	8	10	13	5.6	1.2	0.0
Salt Lake City	4,360	163	203	25.50	29.83	−.03	56.5	−0.9	86	27	67	33	8	46	31	44	33	47	1.52	−0.4	8	5,739	s.	38	nw.	21	7	15	9	5.6	T.	0.0
Grand Junction	4,602	60	68	25.27	29.81	−.02	59.0	−2.1	89	29	72	30	10	46	40	44	30	42	1.50	+0.7	11	4,690	se.	47	sw.	31	13	13	5	4.4	0.2	0.0
Northern Plateau							**55.3**	**−0.9**										**55**	**1.81**	**+0.3**										**6.3**		
Baker	3,471	48	53	26.37	29.94	−.02	50.5	−1.2	83	27	62	31	10	39	40	42	34	57	1.74	+0.2	12	4,287	nw.	22	nw.	8	3	11	17	7.3	T.	0.0
Boise	2,739	78	86	27.05	29.90	−.04	55.8	−1.3	90	27	67	34	22	44	37	46	37	57	1.68	+0.2	12	3,904	nw.	29	se.	2	3	14	14	6.7	T.	0.0
Lewiston	757	40	48	29.10	29.91	−.05	58.5	−1.0	91	27	70	36	7	46	45				1.64	+0.1	9	2,301	e.	21	nw.	17	10	2	19	6.4	0.0	0.0
Pocatello	4,477	60	68	25.36	29.85	−.04	53.4	−0.4	83	27	65	32	8	42	36	43	33	54	1.31	−0.2	13	5,890	se.	37	sw.	21	7	14	10	5.7	0.8	0.0
Spokane	1,929	101	110	27.87	29.91	−.05	55.0	−0.5	85	27	66	33	7	44	37	45	36	55	1.63	+0.2	9	4,604	s.	22	sw.	6	8	8	15	5.9	0.0	0.0
Walla Walla	991	57	65	28.86	29.92	−.04	58.6	−1.0	84	27	69	37	7	48	36	48	38	51	2.85	+1.2	10	3,379	s.	19	w.	21	10	9	12	5.8	0.0	0.0
North Pacific Coast Region							**53.4**	**−1.1**										**71**	**2.00**	**0.0**										**6.7**		
North Head	211	11	56	29.83	30.06	+.03	49.8	−1.1	61	26	53	39	7	46	14	47	44	83	3.20	+0.2	17	11,177	n.	50	sw.	20	4	12	15	6.8	0.0	0.0
Port Angeles	29	8	53		30.03		49.3		64	27	57	34	8	42	25				0.60	−0.6	7	5,525	sw.	31	w.	30	12	9	10		0.0	0.0
Seattle	125	215	250	29.87	30.00	−.01	53.4	−1.1	73	26	61	39	7	46	28	48	44	74	2.41	+0.5	13	5,586	s.	32	s.	20	6	8	17	6.6	0.0	0.0
Tacoma	194	172	201	29.81	30.01	−.01	53.8	−0.3	74	13	62	37	8	45	31				2.22	+0.1	13	6,018	sw.	38	sw.	21	7	11	13	6.4	0.0	0.0
Tatoosh Island	86	9	53	29.92	30.02	+.01	49.4	−0.2	59	26	53	41	7	46	13	48	46	91	2.78	−1.2	14	8,204	w.	39	s.	20	4	10	17	7.2	0.0	0.0
Yakima	1,076	58	67	28.78	29.92		58.5	−0.5	82	13	70	36	7	46	35	46	32	42	0.41	−0.2	5	4,859	nw.	26	sw.	20	10	11	10	5.4	0.0	0.0
Medford	1,329	29	58	28.59	29.99		54.4		85	1	67	32	4	42	43	46	39	64	0.82	−0.4	9		nw.	31	nw.	7	5	8	18	7.0	7.0	0.0
Portland, Oreg	153	68	106	29.87	30.03	.00	55.0	−1.9	78	12	64	37	4	46	31	49	44	70	3.08	+0.9	16	3,663	nw.	20	sw.	20	6	6	19	7.3	0.0	0.0
Roseburg	510	75	99	29.49	30.05	+.02	53.6	−2.4	81	1	64	35	8	43	39	47	42	70	2.45	+0.5	12	2,900	n.	25	sw.	20	4	9	18	6.7	0.0	0.0
Middle Pacific Coast Region							**57.7**	**−2.1**										**70**	**0.94**	**−0.1**										**4.0**		
Eureka	62	73	89	30.02	30.09	+.04	51.5	−0.5	62	27	56	40	7	47	15	48	46	82	1.04	−0.8	7	6,044	n.	28	n.	3	9	10	12	5.5	0.0	0.0
Red Bluff	330	5	58	29.57	29.93	−.02	63.1	−3.2	88	25	76	43	5	50	36	52	43	54	2.14	+1.0	6	4,130	se.	20	nw.	6	14	8	9	4.4	0.0	0.0
Sacramento	69	106	117	29.87	29.94	.00	60.2	−3.1	88	23	73	40	11	48	36	52	46	67	0.34	−0.4	4	6,048	s.	24	sw.	2	23	7	1	2.1	0.0	0.0
San Francisco	155	208	243	29.82	29.99	.00	56.1	−0.7	77	22	62	46	7	50	23	50	46	75	0.16	−0.6	2	6,656	w.	32	w.	3	15	14	2	3.7	0.0	0.0
San Jose	141	12	110	29.86	30.02		57.6	−3.1	84	23	69	38	8	46	38				1.01	+0.5	4	4,865	nw.	23	nw.	3	11	11	9	4.5	0.0	0.0
South Pacific Coast Region							**61.7**	**−1.7**										**64**	**1.05**	**+0.6**										**3.7**		
Fresno	327	89	98	29.59	29.94	+.02	63.2	−3.9	92	23	76	41	8	50	36	51	39	48	0.29	−0.2	3	5,650	nw.	29	nw.	20	19	8	4	3.1	0.0	0.0
Los Angeles	338	159	191	29.60	29.96	+.01	61.8	−0.4	88	23	70	47	8	53	30	53	47	65	1.04	+0.6	4	3,669	sw.	16	sw.	7	19	6	6	3.4	0.0	0.0
San Diego	87	62	70	29.87	29.96	+.01	60.0	−0.8	70	20	66	47	4	55	15	55	52	78	1.81	+1.5	8	4,902	w.	25	sw.	4	12	9	10	4.7	0.0	0.0
West Indies																																
San Juan, P. R.	82	9	54	29.92	30.01		79.6	+1.0	90	28	85	72	22	74	17				3.00	−2.2	11	7,336	e.	30	e.	18	5	18	8	5.9	0.0	0.0
Panama Canal																																
Balboa Heights	118	6	97	[1] 29.74	[1] 29.83	.00	79.5	−1.2	92	3	87	70	22	74	17			[2] 86	9.70	+1.9	19	4,404	nw.	28	nw.	10	0	8	23	8.0	0.0	0.0
Cristobal	36	6	97	[1] 29.81	[1] 29.84	.00	81.3	+0.6	90	18	87	74	23	77	13	77	76	[2] 83	14.21	+1.8	27	5,974	n.	23	w.	15	0	11	20	8.2	0.0	0.0
Alaska																																
Fairbanks	455	11	44	[1] 29.27	[1] 29.78		49.1		79	30	61	26	7	37	39	44	34	54	0.68		8		e.				5	13	13	6.5	T.	0.0
Juneau	80	11	50	[1] 29.87	[1] 29.96		46.4		72	28	54	32	19	39	33	42	37	75	3.87		17	4,360	s.	26	e.	4	2	9	20	7.5	T.	0.0
Hawaiian Islands																																
Honolulu	38	86	100	[1] 30.05	[1] 30.09		75.4	+0.6	82	30	80	69	4	71	11	67	62	65	0.33	−1.4	8	7,523	e.	31	e.	1	17	14	0	3.4	0.0	0.0

[1] Pressure not reduced to mean of 24 hours.

[2] Observations taken bihourly.

TABLE 2.—*Data furnished by the Canadian Meteorological Service, May, 1930*

Stations	Altitude above mean sea level Jan. 1, 1919	Pressure			Temperature of the air						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
	Feet	*Inches*	*Inches*	*Inches*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	*Inches*	*Inches*	*Inches*
Cape Race, N. F	99				38.8		46.7	30.9	55	15	6.27		0.0
Sydney, C. B. I	48	29.85	29.90	−0.07	44.2	−1.0	56.2	32.1	74	30	4.32	+0.55	0.0
Halifax, N. S	88	29.81	29.92	−.06	48.8	+0.4	58.9	38.8	79	28	4.24	−0.02	T.
Yarmouth, N. S	65	29.80	29.87	−.11	48.7	+1.1	55.8	41.6	66	34	1.75	−1.82	0.0
Charlottetown, P. E. I	38	29.81	29.85	−.11	47.9	+1.0	56.3	39.6	71	32	1.95	−0.96	0.0
Chatham, N. B	28	29.80	29.83	−.12	48.6	+0.1	59.6	37.6	71	28	3.31	+0.10	0.0
Father Point, Que	20												
Quebec, Que	296	29.60	29.92	−.02	52.1	+2.2	61.0	43.3	83	32	4.30	+1.22	0.0
Doucet, Que	1,236				47.2		59.4	35.0	90	19	1.82		1.9
Montreal, Que	187	29.70	29.90	−.04	56.6	+1.9	65.9	47.3	86	36	4.13	+1.18	0.0
Ottawa, Ont	236	29.66	29.92	−.02	57.6	+2.7	68.1	47.2	88	32	2.60	+0.01	0.0
Kingston, Ont	285	29.65	29.96	.00	54.3	+1.4	62.6	46.1	80	36	4.20	+1.52	0.0
Toronto, Ont	379	29.57	29.97	−.01	57.5	+4.3	67.3	47.7	87	37	2.74	−0.30	0.0
Cochrane, Ont	930				48.5		60.0	37.0	86	24	2.94		0.3
White River, Ont	1,244	28.62	29.94	−.01	47.7	+2.0	60.2	35.1	84	18	3.29	+1.34	0.2
London, Ont	808				57.5		68.9	46.1	86	32	3.60		0.0
Southampton, Ont	656	29.27	29.99	+.03	53.4	+2.7	63.4	43.4	84	30	3.50	+1.06	0.0
Parry Sound, Ont	688	29.28	29.98	+.03	53.6	+2.5	63.0	44.3	79	30	2.81	−0.12	0.0
Port Arthur, Ont	644	29.24	29.95	−.01	49.0	+3.1	58.7	39.3	80	28	3.24	+1.09	0.0
Winnipeg, Man	760												
Minnedosa, Man	1,690	28.10	29.92	−.04	47.4	−1.0	59.0	35.8	88	22	1.64	+0.19	2.7
Le Pas, Man	860				47.1		57.8	36.5	79	25	3.56		0.8
Qu'Appelle, Sask	2,115	27.66	29.91	−.03	46.8	−3.0	57.8	35.9	86	20	1.30	−0.35	5.5
Moose Jaw, Sask	1,759				50.7		64.9	36.5	89	23	0.92		0.4
Swift Current, Sask	2,392	27.34	29.85	−.07	50.4	−0.3	63.6	37.1	78	22	0.55	−1.21	0.0
Medicine Hat, Alb	2,144												
Calgary, Alb	3,428												
Banff, Alb	4,521	25.28	29.84	−.04	44.3	−2.7	54.2	34.5	69	27	2.27	+0.23	1.3
Prince Albert, Sask	1,450	28.40	29.98	+.03	48.3	+0.7	60.8	35.8	84	26	1.37	+0.11	0.0
Battleford, Sask	1,592	28.16	29.89	−.03	49.4	−1.6	62.2	36.6	79	24	1.47	−0.15	0.3
Edmonton, Alb	2,150	27.55	29.82	−.06	48.8	−2.0	59.7	38.0	74	26	1.77	+0.22	7.5
Kamloops, B. C	1,262												
Victoria, B. C	230	29.73	29.98	−.02	52.0	−0.5	58.5	45.5	68	40	0.53	−0.95	0.0
Barkerville, B. C	4,180												
Estevan Point, B. C	20												
Prince Rupert, B. C	170												
Hamilton, Ber	151												

LATE REPORTS, APRIL, 1930

Doucet, Que	1,236				29.9		42.5	17.3	62	−4	1.46		7.0
Winnipeg, Man	760	29.19	30.04	+.02	43.3	+7.4	53.7	32.9	71	17	0.53	−0.52	0.2
Minnedosa, Man	1,690	28.18	30.03	+.02	41.4	+5.4	53.7	29.2	76	10	0.97	−0.09	T.
Swift Current, Sask	2,392	27.35	29.88	−.08	47.4	+6.1	61.7	33.1	74	14	1.79	+0.86	0.0
Medicine Hat, Alb	2,144	27.55	29.80	−.12	50.9	+6.4	63.9	37.9	81	21	1.68	+0.94	0.0
Calgary, Alb	3,428	26.33	29.90	.00	44.1	+4.5	57.0	31.3	76	22	2.99	+2.35	0.0
Banff, Alb	4,521	25.29	29.87	−.03	41.5	+6.2	52.3	30.7	63	21	1.78	+0.70	5.6
Edmonton, Alb	2,150	27.56	29.85	−.04	43.3	+3.4	55.8	30.9	70	16	0.62	−0.26	2.6
Kamloops, B. C	1,262	28.60	29.89	−.04	53.2	+4.3	64.4	42.1	73	32	0.69	+0.30	0.0
Estevan Point, B. C	20				46.8		52.7	40.9	58	32	6.60		0.0
Prince Rupert, B. C	170				43.4		49.8	37.1	64	30	5.56		0.0