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, April, 1924

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	63.3	−0.1	2 stations	90	[2] 21	St. Bernard	22	2	5.58	+1.19	Mentone	10.18	Bay Minette	2.29
Alaska														
Arizona	55.7	−2.4	2 stations	98	30	Prescott	11	16	0.71	+0.12	Cosino	2.40	Bisbee Junction	T.
Arkansas	61.4	+0.6	3 stations	94	14	2 stations	18	1	4.99	+0.21	Waldron	8.53	Mountain Home	2.92
California	57.1	+0.4	Needles	101	30	Helm Creek	−2	2	0.90	−0.78	Seven Oaks	4.57	2 stations	0.00
Colorado	42.0	−1.0	2 stations	90	23	Fraser	−26	1	1.31	−0.63	Hawthorne	4.13	Fruita	T.
Florida	70.8	+0.6	2 stations	96	[2] 12	Quincy	34	3	3.24	+0.73	Ocala	7.55	Sand Key	0.01
Georgia	63.2	−0.2	3 stations	90	[2] 17	Blue Ridge	23	[2] 2	5.99	+2.43	Clayton	10.49	St. George	2.47
Hawaii	70.4	+0.5	Kipahulu	88	2	Volcano Observatory	46	1	13.98	+5.75	Honomu	48.59	Puuloa	1.77
Idaho	44.6	−0.2	2 stations	84	30	Stanley	−4	5	0.51	−0.96	Pete King Ranger Station.	2.81	2 stations	0.00
Illinois	54.0	+2.2	Harrisburg	90	16	Dixon	14	1	2.18	−1.23	Tuscola	4.30	Hillsboro	0.65
Indiana	52.6	+0.9	Vincennes	91	25	Laporte	16	1	3.32	−0.30	Columbus	5.83	Frankfort	0.75
Iowa	50.5	+1.8	2 stations	90	[2] 15	Inwood	−8	1	1.38	−1.48	Belmond	4.53	Harlan	0.38
Kansas	55.0	+1.4	3 stations	93	[2] 15	2 stations	15	1	2.22	−0.42	Newton	7.32	Dresden	0.06
Kentucky	57.4	+1.5	Mayfield	93	15	Greenville	19	2	3.41	−0.62	Leitchfield	6.25	Ravenna	1.76
Louisiana	67.2	+0.3	Natchitoches	92	15	2 stations	29	[2] 1	4.41	−0.31	Lake Charles	12.24	Delta Farms	0.80
Maryland-Delaware	50.1	−2.2	2 stations	83	14	Oakland, Md	13	3	4.97	+1.63	Milford, Del	7.05	Friendsville, Md	2.76
Michigan	41.6	−0.6	Allegan	80	24	Humboldt	−27	1	2.14	−0.19	Ironwood	7.08	Mackinaw	0.45
Minnesota	41.5	−1.2	4 stations	88	[2] 21	Itasca State Park	−7	10	2.54	+0.53	Hallock	5.50	Waseca	0.55
Mississippi	64.6	+0.4	10 stations	90	[2] 15	Pontotoc	26	2	5.04	−0.37	Water Valley	8.38	Columbia	1.42
Missouri	56.6	+1.5	Hollister	95	14	Bethany	11	1	2.07	−1.66	Dean	6.32	Kidder	0.48
Montana	41.1	−1.3	Livingston	80	21	Babb	−3	15	0.79	−0.26	Agricultural College	2.82	Kalispell	0.01
Nebraska	50.1	+1.3	Bridgeport	95	23	Stanton	−2	1	0.72	−1.72	Beatrice	2.62	Watertown	0.02
Nevada	48.6	+0.3	Logandale	94	30	Rye Patch	7	16	0.30	−0.52	Austin	0.87	2 stations	0.00
New England	41.6	−1.2	Norwalk, Conn	74	27	Van Buren, Me	−2	4	4.92	+1.76	Madison, Me	7.36	Eastport, Me	2.29
New Jersey	48.0	−1.5	2 stations	81	[2] 14	Culvers Lake	18	1	6.15	+2.50	Chatham	9.23	Paterson	4.74
New Mexico	50.0	−0.9	Richland	93	24	2 stations	−9	17	0.75	−0.44	Tajique (near)	3.35	2 stations	0.00
New York	42.7	−1.6	West Point	80	29	North Lake	−3	3	1.60	+1.80	Boyds Corners	7.56	New Berlin	2.05
North Carolina	56.6	−0.7	2 stations	92	25	Mount Mitchell	5	2	1.44	+0.84	Rock House	11.03	Belhaven	1.31
North Dakota	39.3	−2.4	Lisbon	84	24	Pettibone	6	10	2.55	+1.17	Park River	5.91	Bottineau	0.50
Ohio	49.8	−0.3	Chillicothe	90	14	Kenton	17	2	2.71	−0.47	Cadiz	4.44	Dublin	1.26
Oklahoma	60.0	+0.3	Waurika	95	15	4 stations	22	1	4.21	+0.91	Muskogee	7.25	Kenton	0.74
Oregon	48.7	+1.1	McMinnville	91	25	Fremont	4	26	0.74	−1.41	Welches (near)	3.76	5 stations	0.00
Pennsylvania	46.5	−2.1	2 stations	82	[2] 27	Muncy Valley	6	3	4.15	+0.80	Conshohocken	7.52	Westford	1.77
Porto Rico	76.5	+1.3	Guayabal Reservoir	97	6	Jayuya	52	21	4.59	−0.19	Lares	17.72	Potala	0.00
South Carolina	61.6	−0.7	Blackville	91	9	3 stations	24	2	5.90	+2.84	Trenton	10.54	Mars Bluff	3.20
South Dakota	45.1	−0.3	Forestburg	93	22	Canton	−6	1	1.14	−0.74	Victor	3.70	Cottonwood	0.06
Tennessee	58.7	+0.4	Johnsonville	94	16	Crossville	17	2	4.75	+0.14	Chattanooga	10.43	Paris	1.95
Texas	65.6	−0.5	San Benito	107	16	2 stations	21	17	2.33	−0.89	Bon Wier	8.85	5 stations	0.00
Utah	46.2	−1.3	2 stations	89	[2] 6	Manila	2	1	0.52	−0.63	Silver Lake	2.55	2 stations	0.00
Virginia	52.6	−1.9	Hopewell	86	14	Burkes Garden	16	3	3.73	+0.18	Callaville	6.67	Mount Weather	1.29
Washington	47.9	−0.2	Wahluke	85	30	Paradise Inn	2	15	1.11	−1.13	Forks	6.44	12 stations	0.00
West Virginia	50.5	−0.8	Glenville	88	17	Cheat Bridge	12	3	3.24	−0.36	Crawford	6.37	Upper Tract	0.72
Wisconsin	42.0	−1.4	Brodhead	84	24	Minocqua	−28	1	3.95	+1.44	Stevens Point	7.14	Lancaster	1.37
Wyoming	39.4	−1.3	Clearmont	86	23	Gallatin	−10	16	0.94	−0.61	Elk Mountain	4.30	2 stations	T.

[1] For description of tables and charts, see REVIEW, January, 1924, pp. 56–57.

[2] Other dates also.

TABLE 1.—*Climatological data for Weather Bureau stations, April, 1924*

Districts and stations	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							**43.5**	**−0.3**										**73**	**4.73**	**+1.7**										**5.7**		
Eastport	76	67	85	29.85	29.94	+.01	37.4	−1.6	58	27	43	24	3	32	25	34	31	79	2.29	−0.6	12	9,735	s.	57	e.	2	2	10	18	7.5	12.1	0.0
Greenville, Me.	1,070	6		28.76	29.94		35.6		59	29	44	16	4	27	35				4.45		9		se.				7	7	16		27.2	
Portland, Me.	103	82	117	29.83	29.96	.00	42.3	−0.7	66	27	49	25	2	35	22	38	32	70	6.48	+3.4	11	8,326	nw.	52	e.	7	9	8	13	5.8	7.7	0.0
Concord	288	70	79	29.62	29.93	−.06	42.9	−0.4	66	27	52	23	1	34	38				4.64	+1.8	9	5,366	nw.	44	e.	7	12	9	9	5.2	6.9	0.0
Burlington	404	11	48	29.51	29.96	−.03	41.0	+0.3	68	29	48	18	3	34	29				4.73	+2.9	15	7,638	n.	40	s.	6	5	9	16	7.1	19.1	0.0
Northfield	876	12	60	28.99	29.96	−.03	38.8	−1.4	65	29	48	16	1	29	41	36	32	78	4.35	+2.3	12	5,862	s.	38	s.	30	5	8	17	7.2	25.3	0.0
Boston	125	115	188	29.80	29.94	−.03	47.2	+0.8	69	27	55	28	1	40	27	40	33	62	3.79	+0.2	12	8,246	w.	42	e.	7	6	15	9	6.0	3.0	0.0
Nantucket	12	14	90	29.92	29.93	−.04	44.1	−0.1	63	27	50	32	1	38	21	40	37	81	4.30	+1.7	11	13,407	sw.	60	sw.	2	10	11	9	4.8	0.0	0.0
Block Island	26	11	46	29.90	29.93	−.05	43.8	−0.2	61	14	49	29	1	39	20	40	37	82	4.55	+0.9	15	14,219	sw.	60	w.	2	13	9	8	4.3	1.0	0.0
Providence	160	215	251	29.77	29.94	−.04	46.4	−0.2	68	5	55	26	1	38	29	40	33	64	3.77	0.0	15	11,633	nw.	60	se.	7	9	12	9	5.4	3.0	0.0
Hartford	159	122	140	29.78	29.96	−.03	47.3	+0.6	70	28	56	24	1	38	29				5.92	+2.4	12		nw.				12	7	11	5.0	9.7	0.0
New Haven	106	74	153	29.84	29.95	−.04	47.2	0.0	71	27	55	25	1	39	27	41	34	65	7.17	+3.6	12	7,691	n.	27	se.	30	12	8	10	4.9	7.8	0.0
Middle Atlantic States							**50.1**	**−1.1**										**67**	**4.66**	**+1.5**										**5.2**		
Albany	97	102	115	29.86	29.97	−.03	45.2	−1.6	71	27	54	21	1	37	32	40	33	66	5.23	+2.8	14	6,043	s.	32	se.	6	15	4	11	4.9	14.0	0.0
Binghamton	871	10	84	29.02	29.97	−.05	44.4	0.0	74	28	54	21	3	35	38				3.85	+1.6	14	4,922	nw.	29	sw.	22	6	9	15	6.5	10.0	0.0
New York	314	414	454	29.62	29.96	−.04	48.1	−1.3	71	27	56	26	2	41	26	42	35	65	4.53	+1.2	9	14,981	nw.	66	nw	7	8	10	12	6.1	8.0	0.0
Harrisburg	374	94	104	29.59	30.00	−.02	49.4	−1.5	73	14	58	26	1	41	28	42	34	60	5.15	+2.7	11	5,341	nw.	42	nw.	20	12	6	12	5.3	8.0	0.0
Philadelphia	114	123	190	29.86	29.99	−.02	51.2	−0.9	76	14	60	27	2	43	26	43	34	56	5.37	+2.5	11	7,264	w.	34	n.	22	12	4	14	5.7	6.7	0.0
Reading	325	81	98	29.62	29.98		49.0		76	28	58	25	2	40	31	45	42	77	5.34	+2.1	11	3,609	nw.	28	nw.	20	15	9	6	4.5	10.0	0.0
Scranton	805	111	119	29.11	29.98	−.03	46.2	−0.9	77	28	56	22	1	37	39	43	41	85	3.30	+0.6	10	5,729	nw.	36	sw.	22	9	9	12	6.1	7.0	0.0
Atlantic City	52	37	172	29.92	29.98	−.02	48.8	+1.0	77	14	56	29	2	42	30	43	38	70	5.39	+2.4	12	14,267	w.	70	ne.	1	12	9	9	4.5	T.	0.0
Cape May	17	13	49	30.00	30.02	+.03	49.8	+1.4	78	14	57	32	1	43	30	44	40	75	5.60	+2.6	13	7,462	nw.	38	ne.	1	12	7	11	5.0	0.3	0.0
Sandy Hook	22	10	55	29.94	29.96		47.6		69	27	54	27	2	41	24	42	36	69	4.98		11	12,095	w.	50	nw.	7	9	11	10	5.6	2.4	0.0
Trenton	190	159	183	29.78	29.98		49.4		76	28	59	23	2	40	28	42	36	64	5.99	+2.7	12	9,353	nw.	50	nw.	22	10	10	10	5.2	7.5	0.0
Baltimore	123	100	113	29.86	29.99	−.02	52.2	−1.4	80	14	61	28	2	44	27	45	37	62	5.89	+2.6	9	4,648	w.	28	sw.	20	13	7	10	5.2	9.4	0.0
Washington	112	62	85	29.88	30.00	−.02	51.9	−1.4	80	14	62	28	1	42	36	44	36	58	5.39	+2.1	9	5,514	nw.	46	nw.	20	10	11	9	5.2	5.0	0.0
Cape Henry	18	8	54	29.97	29.99		53.4		80	22	61	32	2	46	28	49	45	77	3.95	0.0	11	9,964	se.	50	nw.	1	14	6	10	5.1	0.0	0.0
Lynchburg	681	153	188	29.25	29.99	−.03	54.1	−3.2	84	14	66	31	3	42	40	46	39	62	3.35	+0.2	10	5,774	w.	44	n.	7	13	7	10	4.9	T.	0.0
Norfolk	91	170	205	29.91	30.01	.00	55.4	−1.4	82	14	65	33	2	46	29	48	42	65	2.89	−0.9	10	9,985	s.	47	nw.	1	12	6	12	5.2	0.0	0.0
Richmond	144	11	52	29.85	30.00	−.02	54.0	−2.6	82	14	65	27	3	43	34	47	39	62	5.11	+1.7	12	5,480	sw.	33	se.	22	15	9	6	3.8	T.	0.0
Wytheville	2,304	49	55	27.62	30.00	−.03	50.6	−1.4	78	24	61	23	3	40	42	44	39	70	2.83	−0.8	13	5,618	w.	42	w.	7	16	2	12	4.9	T.	0.0
South Atlantic States							**60.8**	**−1.0**										**72**	**4.30**	**+1.1**										**4.9**		
Asheville	2,255	70	84	27.66	30.02	−.01	53.3	−0.3	77	24	64	24	3	43	38	46	40	68	3.58	+0.4	15	6,888	nw.	36	s.	21	14	6	10	5.0	0.2	0.0
Charlotte	779	55	62	29.16	30.00	−.03	58.8	−1.0	85	25	70	29	2	48	32	51	44	66	6.78	+3.3	14	4,292	sw.	28	w.	20	11	9	10	5.1	0.0	0.0
Hatteras	11	11	50	29.99	30.00	−.01	56.9	−2.9	73	25	63	38	2	51	26	53	49	78	4.17	−0.2	11	11,553	sw.	54	nw.	1	13	8	9	4.3	0.0	0.0
Manteo	12	5	42				55.1		79	14		30	3		36				3.38		6										0.0	0.0
Raleigh	376	103	110	29.60	30.00	−.03	57.8	−1.6	86	25	69	31	2	47	33	51	45	69	3.08	−0.4	9	6,516	e.	39	nw.	20	13	5	12	5.0	0.0	0.0
Wilmington	78	81	91	29.93	30.02	−.01	60.8	−1.2	85	9	70	35	2	51	29	54	50	74	2.20	−0.7	10	6,334	sw.	35	sw.	30	17	2	11	4.3	0.0	0.0
Charleston	48	11	92	29.97	30.02	−.01	64.0	−0.5	86	8	71	41	2	57	28	57	54	77	5.78	+2.8	7	8,335	sw.	48	e.	15	12	8	10	5.2	0.0	0.0
Columbia, S. C.	351	41	57	29.63	30.01	−.02	62.2	−1.1	85	8	72	33	2	52	31	56	51	73	6.66	+3.8	12	5,638	ne.	31	sw.	30	15	2	13	4.9	0.0	0.0
Due West	711	10	55	29.26	30.03		59.2		85	25	70	28	2	48	34				5.61		13	7,712	sw.	41	sw.	30	13	6	11	5.1	0.0	0.0
Greenville, S. C.	1,039	113	122	28.90	29.99		58.8	+0.2	84	25	69	31	2	48	31	51	46	72	7.02		13	7,493	ne.	48	sw.	30	12	7	11	5.0	0.0	0.0
Augusta	180	62	77	29.81	30.00	−.03	63.4	−0.8	85	25	74	35	2	53	34	57	52	71	3.93	+0.4	9	4,520	nw.	27	sw.	30	14	6	10	4.6	0.0	0.0
Savannah	65	150	194	29.95	30.02	−.01	65.4	−0.6	84	29	74	40	2	57	27	58	54	75	3.87	+0.9	6	8,683	sw.	38	nw.	1	14	6	10	4.8	0.0	0.0
Jacksonville	43	209	245	29.97	30.02	−.02	67.7	−1.0	83	22	76	44	2	60	24	60	56	74	3.00	+0.3	8	8,793	sw.	54	sw.	30	9	12	9	5.6	0.0	0.0
Florida Peninsula							**75.0**	**+1.4**										**77**	**1.72**	**−0.4**										**4.2**		
Key West	22	10	64	29.97	29.99	−.03	78.0	+2.3	87	30	83	67	7	73	14	71	68	75	0.19	−1.1	3	6,745	se.	36	n.	15	21	8	1	2.8	0.0	0.0
Miami	25	71	79	30.00	30.02		74.6	+0.4	89	12	81	61	26	68	20	68	66	75	3.40	+0.1	6	5,638	e.	26	e.	4	7	12	11	5.6	0.0	0.0
Sand Key	23	39	72	29.98	30.01	−0.1	76.0		84	30	78	67	7	74	9	71	69	82	0.01		1	8,653	se.	38	n.	15	20	5	5	3.3	0.0	0.0
Tampa	35	79	87	29.98	30.02	−0.4	72.4	+1.4	88	17	81	53	3	64	24	65	61	75	1.56	−0.3	8	4,465	ne.	28	sw.	11	11	11	8	5.3	0.0	0.0
East Gulf States							**64.2**	**−0.5**										**73**	**5.32**	**+1.2**										**5.8**		
Atlanta	1,174	190	216	28.78	30.02	−.01	59.2	−1.8	83	25	68	29	2	50	26	53	48	71	7.76	+4.1	12	8,741	nw.	46	nw.	1	11	6	13	5.5	0.0	0.0
Macon	370	78	87	29.62	30.01	−.02	62.8	−1.1	86	25	74	33	2	52	30	55	49	66	5.40	+2.0	11	4,574	nw.	24	nw.	1	9	6	15	6.0	0.0	0.0
Thomasville	273	49	58	29.72	30.01	−.02	67.4	+0.7	87	26	78	39	2	57	29	59	54	68	5.06	+1.4	7	3,455	sw.	24	sw.	30	9	8	13	6.1	0.0	0.0
Apalachicola	36	42	49	29.97	30.01		66.4		79	22	72	45	2	61	19	62	59	82	2.72		8	5,609	sw.	38	se.	4	13	10	7	4.8	0.0	0.0
Pensacola	56	149	185	29.95	30.01	−.01	65.9	−0.8	83	22	71	40	1	61	21	61	59	83	4.26	+1.1	7	9,072	s.	47	sw.	30	5	10	15	6.3	0.0	0.0
Anniston	741	9	57	29.24	30.03	.00	60.2	−0.2	85	25	71	29	2	49	37				6.34	+2.7	13	4,084	se.	23	sw.	30	12	8	10	5.1	0.0	0.0
Birmingham	700	11	48	29.26	30.02	.00	62.0	−1.3	84	25	72	30	2	52	31	53	47	65	5.62	+2.0	12	5,166	n.	27	s.	29	11	10	9	5.0	0.0	0.0
Mobile	57	125	161	29.95	30.01	−.01	66.6	+0.4	84	22	74	38	1	59	23	61	58	80	4.10	−0.2	8	7,058	s.	38	se.	4	6	12	12	6.5	0.0	0.0
Montgomery	223	100	112	29.76	30.02	−.01	64.6	−0.7	85	26	74	36	2	55	28	57	51	67	6.18	+1.9	10	4,759	sw.	32	sw.	30	8	9	13	6.0	0.0	0.0
Corinth	469	6					62.4		90	16	74	28	2	51	37				6.10		9		se.				6	18	6		0.0	0.0
Meridian	375	85	93	29.60	30.00	−.02	63.4	−0.6	86	16	73	33	2	54	33	56	51	70	6.95	+1.9	10	4,016	ne.	26	w.	30	8	11	11	6.0	0.0	0.0
Vicksburg	247	65	74	29.73	30.01	+.01	65.3	−0.3	86	16	74	35	1	56	26	58	53	73	3.75	−1.4	12	4,949	se.	36	w.	29	6	8	16	6.3	0.0	0.0
New Orleans	53	76	84	29.95	30.00	.00	69.1	+0.3	85	15	77	42	1	61	22	63	60	78	3.10	−1.8	8	4,857	se.	28	ne.	1	5	11	14	6.2	0.0	0.0
West Gulf States							**65.6**	**−0.2**										**74**	**3.27**	**−0.2**										**5.9**		
Shreveport	249	77	93	29.70	29.97	.00	65.4	−0.4	89	15	75	38	1	56	29	58	53	70	2.87	−1.7	9	5,249	s.	32	s.	29	11	11	8	5.1	0.0	0.0
Bentonville	1,303	11	44				58.6	+1.7	87	15	70	28	1	48	31				6.19		6	4,612	s.	26	s.	16	16	4	10		0.0	0.0
Fort Smith	457	79	94	29.45	29.93	−.03	61.8	0.0	91	15	72	31	1	51	36	53	45	61	7.57	+3.7	7	6,551	e.	45	nw.	29	11	10	9	5.4	0.0	0.0
Little Rock	357	136	144	29.59	29.96	−.02	62.6	+0.5	88	15	72	31	1	53	32	54	47	64	5.43	+0.9	10	6,923	s.	46	nw.	25	10	9	11	5.6	0.0	0.0
Brownsville	57	53	61	29.84	29.90		73.6		92	16	81	48	1	66	25	66	64	82	0.11		2	6,635	s.	28	s.	25	5	18	7	5.5	0.0	0.0
Corpus Christi	20	11	73	29.92	29.94	−.01	70.5	−0.4	86	29	76	46	1	65	20	66	63	82	0.10	−1.7	2	10,068	se.	42	se.	25	3	10	17	7.3	0.0	0.0
Dallas	512	109	117	29.41	29.95		66.2		92	21	77	38	1	56	36				1.54		6	7,439	s.	44	nw.	29	9	12	9	5.4	0.0	0.0
Fort Worth	670	106	114	29.22	29.92	−.02	65.2	−0.1	93	21	76	36	1	54	35	56	51	65	2.33	−0.3	4	7,719	s.	38	w.	29	11	9	10	5.0	0.0	0.0
Galveston	54	106	114	29.92	29.98	+.01	67.2	−1.5	77	30	71	47	1	63	16	63	62	88	1.14	−2.0	7	8,152	se.	48	se.	25	4	13	13	6.6	0.0	0.0
Groesbeck	461	11	56	29.46	29.94		65.3		87	29	75	34	1	55	38				1.86		6	8,539	s.	51	s.	25	9	4	17	6.0	0.0	0.0
Houston	138	111	121	29.82	29.97		68.8	−0.8	85	14	77	42	1	61	23				2.67		8	5,866	se.	31	se.	25	6	11	13	6.3	0.0	0.0
Palestine	510	64	72	29.43	29.96	.00	65.2	−0.8	86	14	75	36	1	56	30	58	54	72	2.66	−1.4	6	6,206	s.	32	nw.	29	7	14	9	5.7	0.0	0.0
Port Arthur	34	58	66	29.93	29.97		67.8		83	14	74	42	1	62	21	63	60	84	1.77		7	7,364	se.	36	se.	25	6	6	18	6.9	0.0	0.0
San Antonio	693	119	132	29.21	29.93	.00	69.2	+0.2	90	21	80	39	1	59	33	60	55	68	3.36	+0.4	7	5,955	se.	36	nw.	26	8	16	6	5.3	0.0	0.0
Taylor	583	55	63	29.36	29.97	+.02	66.8	−0.7	89	21	77	35	1	57	36				3.95	0.0	8	7,175	se.	34	se.	25	5	11	14	6.3	0.0	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, April, 1924*—Continued

Districts and stations	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							**55.0**	**+0.1**										**63**	**4.01**	**+0.4**										**6.0**		
Chattanooga	762	189	213	29.20	30.01	-.02	58.8	-1.5	83	25	68	29	2	49	33	50	43	63	10.43	+6.0	12	6,145	n.	44	s.	21	10	10	10	5.3	0.0	0.0
Knoxville	996	102	111	28.94	30.00	-.03	58.0	0.0	81	24	68	31	2	48	36	50	43	64	5.46	+0.8	12	5,466	sw.	36	sw.	7	7	6	17	6.7	T.	0.0
Memphis	399	76	97	29.55	29.98	-.02	62.1	+0.3	88	16	70	31	1	54	26	54	47	64	4.74	-0.1	12	5,309	sw.	52	nw.	29	13	9	8	4.9	0.0	0.0
Nashville	546	168	191	29.42	30.01	.00	59.3	+0.3	84	25	69	25	2	49	35	51	43	60	3.55	-0.8	10	7,696	s.	51	nw.	26	13	7	10	4.8	0.0	0.0
Lexington	989	193	230	28.92	30.00	-.02	54.9	+0.6	82	15	65	25	1	45	35	----	----	----	3.75	+0.4	14	10,333	sw.	58	sw.	21	8	12	10	5.7	T.	0.0
Louisville	525	219	255	29.41	30.00	-.01	57.0	+0.6	83	16	67	28	1	47	37	48	41	60	3.29	-0.8	12	7,847	s.	55	sw.	21	10	9	11	5.5	T.	0.0
Evansville	431	139	175	29.52	29.99	-.01	58.4	+0.7	86	16	68	28	2	49	32	50	42	61	3.49	0.0	12	8,361	sw.	47	sw.	21	6	17	7	5.8	T.	0.0
Indianapolis	822	194	230	29.08	29.97	-.03	53.4	+1.3	82	16	63	25	1	44	31	46	39	64	3.28	-0.2	11	9,214	s.	50	w.	7	5	18	7	5.7	2.0	0.0
Royal Center	736	11	55	29.16	29.96	----	48.6	----	78	24	60	20	1	37	38	----	----	----	3.36	----	17	8,947	w.	44	nw.	7	3	10	17	7.6	1.0	0.0
Terre Haute	575	96	129	29.34	29.96	----	55.1	----	82	16	65	26	1	45	32	47	40	63	2.16	----	11	7,767	s.	34	sw.	19	6	12	12	6.2	0.2	0.0
Cincinnati	628	11	51	29.30	29.98	-.03	53.8	+1.4	82	16	65	25	1	43	40	----	41	63	2.40	-0.6	13	6,003	sw.	40	w.	7	7	11	12	6.1	0.9	0.0
Columbus	824	179	222	29.10	29.98	-.04	51.2	0.0	76	24	61	25	1	41	39	45	40	70	3.12	+0.2	11	8,320	w.	43	nw.	7	9	10	11	6.1	1.0	0.0
Dayton	899	137	173	29.01	29.97	----	52.2	+0.5	80	16	63	26	2	42	36	45	37	60	2.20	-0.7	11	7,479	sw.	50	nw.	7	6	14	10	5.5	3.0	0.0
Elkins	1,947	59	67	27.93	30.00	-.03	47.6	-1.2	75	16	60	18	3	35	43	42	36	70	4.15	+0.9	16	4,573	w.	41	w.	20	4	10	16	7.2	3.9	0.0
Parkersburg	638	77	84	29.34	30.00	-.03	53.6	+0.2	82	21	65	28	3	42	46	45	37	60	3.24	+0.3	12	4,508	sw.	46	nw.	6	9	7	14	6.1	4.7	0.0
Pittsburgh	842	353	410	29.07	29.98	-.04	49.8	-1.4	72	24	59	26	2	40	31	42	34	60	3.09	+0.2	15	8,188	w.	46	w.	20	7	7	16	6.7	3.2	0.0
Lower Lake Region							**44.3**	**-1.2**										**70**	**3.23**	**+0.9**										**6.0**		
Buffalo	767	247	280	29.14	29.98	-.03	41.1	-1.7	68	28	48	21	1	34	28	37	32	76	3.08	+0.6	12	11,567	sw.	52	sw.	22	10	9	11	5.6	4.1	0.0
Canton	448	10	61	29.46	29.94	----	40.5	-2.0	67	27	49	10	1	32	35	----	----	----	3.32	+1.1	15	7,732	w.	32	sw.	10	11	8	11	5.3	7.7	0.0
Oswego	335	76	91	----	29.97	-.04	41.4	-2.2	64	4	48	22	1	35	29	----	----	75	4.34	+2.1	13	----	w.	30	nw.	2	8	7	15	----	3.8	0.0
Rochester	523	86	102	29.40	29.99	-.02	43.4	-1.5	68	28	51	23	1	36	29	38	31	65	4.05	+1.6	12	6,298	w.	36	sw.	22	9	9	12	5.7	7.8	0.0
Syracuse	597	97	113	29.34	29.99	-.02	43.2	-1.2	67	28	51	23	1	36	25	----	----	----	3.87	+1.6	12	9,073	nw.	45	nw.	23	6	11	13	6.2	6.8	0.0
Erie	714	130	166	29.19	29.97	-.05	44.4	-0.7	66	13	51	24	1	37	25	40	34	68	3.70	+1.3	17	10,198	w.	48	se.	17	8	8	14	6.3	1.4	0.0
Cleveland	762	190	201	29.14	29.98	-.04	45.3	-0.9	70	13	53	24	1	38	26	40	34	65	2.85	+0.5	15	9,273	w.	39	w.	20	3	17	10	6.7	0.7	0.0
Sandusky	629	62	70	29.28	29.98	-.04	46.4	-0.8	72	13	54	25	1	39	29	----	----	----	2.93	+0.4	13	6,542	e.	31	nw.	18	2	17	11	6.6	2.4	0.0
Toledo	628	208	243	29.29	29.98	-.03	46.8	-0.8	74	24	55	22	1	39	29	42	37	73	2.22	-0.1	12	11,066	sw.	39	sw.	13	10	12	8	5.3	1.6	0.0
Fort Wayne	856	113	124	29.04	29.97	----	48.5	-0.8	76	24	58	23	1	39	31	42	38	72	2.79	----	14	7,234	e.	35	w.	7	6	14	10	6.1	6.7	0.0
Detroit	730	218	258	29.18	29.98	-.04	46.0	-0.2	74	24	54	20	1	38	32	39	33	65	1.97	-0.4	17	8,740	sw.	33	sw.	13	7	13	10	5.8	0.8	0.0
Upper Lake Region							**41.2**	**-0.3**										**72**	**2.24**	**-0.1**										**6.2**		
Alpena	609	13	92	29.30	29.98	-.04	38.4	-0.2	64	29	47	6	1	30	34	35	29	67	1.45	-0.8	9	8,491	w.	36	nw.	22	5	12	13	6.6	4.3	0.0
Escanaba	612	54	60	29.28	29.96	-.06	37.4	-0.5	59	27	45	2	1	30	30	33	28	74	3.03	+1.0	13	6,671	s.	40	e.	16	6	14	10	5.5	6.6	0.0
Grand Haven	632	54	89	29.26	29.95	-.06	43.2	-0.5	73	24	50	20	1	36	28	39	35	76	3.08	+0.6	13	8,624	e.	36	w.	6	4	16	10	6.1	0.4	0.0
Grand Rapids	707	70	87	29.19	29.97	-.05	45.6	-0.6	72	24	54	20	1	37	26	39	33	66	3.29	+0.8	13	5,392	w.	25	w.	6	6	9	15	6.3	4.0	0.0
Houghton	668	62	99	29.19	29.93	-.09	36.3	-1.4	58	28	43	3	1	29	30	----	----	----	1.48	-0.6	15	8,840	e.	44	w.	9	9	6	15	6.6	4.3	0.0
Lansing	878	11	62	29.01	29.96	----	44.6	-1.0	73	24	55	20	2	34	32	39	33	68	2.46	-0.1	13	5,142	w.	22	w.	9	3	17	10	5.9	4.0	0.0
Ludington	637	60	66	29.24	29.95	----	41.4	----	69	27	48	18	1	35	26	37	33	76	3.03	----	17	8,157	s.	34	se.	16	7	13	10	5.6	2.5	0.0
Marquette	734	77	111	29.16	29.98	-.04	36.6	-0.9	59	3	43	6	1	30	31	33	27	71	1.57	-0.4	13	6,733	nw.	29	w.	12	5	10	15	7.2	5.3	0.0
Port Huron	638	70	120	29.26	29.96	-.06	43.5	+0.5	68	13	52	19	2	35	29	38	32	70	1.41	-0.7	11	8,421	nw.	32	nw.	9	5	17	8	5.6	3.5	0.0
Saginaw	641	69	77	29.27	29.97	----	43.8	-1.1	69	29	54	15	2	34	30	38	33	68	0.91	-1.8	11	7,028	w.	29	se.	21	2	12	16	6.9	1.3	0.0
Sault Sainte Marie	614	11	52	29.28	29.98	-.03	36.5	-0.9	66	27	45	5	1	28	33	32	27	73	1.59	-0.5	11	6,876	nw.	34	nw.	12	9	13	8	5.4	4.9	0.0
Chicago	823	140	310	29.06	29.96	-.04	49.0	+1.3	76	24	56	23	1	42	26	42	36	65	0.84	-2.0	9	7,899	w.	37	nw.	7	6	13	11	6.3	0.4	0.0
Green Bay	617	109	144	29.25	29.92	-.09	41.8	+1.1	67	13	50	11	1	34	24	37	33	77	4.64	+2.2	14	8,521	w.	36	ne.	25	3	15	12	6.4	1.9	0.0
Milwaukee	681	125	139	29.19	29.94	-.05	44.1	+0.3	72	13	51	20	1	37	29	39	35	75	2.64	-0.1	14	7,904	w	33	e.	26	7	8	15	6.4	0.4	0.0
Duluth	1,133	11	47	28.66	29.90	-.11	36.6	-0.4	61	3	44	13	1	29	32	32	27	75	2.96	+0.8	14	11,559	ne.	46	ne.	26	5	13	12	6.3	9.0	0.0
North Dakota							**39.7**	**-1.0**										**72**	**3.07**	**+1.2**										**7.0**		
Moorhead	940	50	58	28.83	29.87	-.12	41.0	+0.4	76	23	51	12	1	31	40	36	30	68	4.01	+1.7	14	7,668	nw.	42	se.	15	5	15	10	6.2	2.6	0.0
Bismarck	1,674	8	57	28.12	29.93	-.04	41.0	-1.1	74	23	52	17	1	30	40	35	30	73	1.90	0.0	11	8,237	nw.	44	n.	24	4	7	19	7.7	13.4	0.0
Devils Lake	1,478	11	44	28.28	29.88	-.11	37.1	-1.1	63	22	46	15	12	28	36	33	28	76	4.96	+2.9	13	8,732	nw.	44	n.	24	6	8	16	7.0	9.1	0.0
Ellendale	1,457	10	56	28.31	29.89	----	42.2	----	79	24	55	12	1	30	45	----	----	----	2.63	----	13	12,323	nw.	60	nw.	24	4	10	16	6.9	1.9	0.0
Grand Forks	835	12	89	----	----	----	38.8	----	68	23	49	14	12	29	38	----	----	----	3.95	----	14	----	nw.	36	se.	24	6	9	15	----	3.2	0.0
Williston	1,878	41	48	27.90	29.91	-.05	39.7	-2.3	69	23	49	21	10	30	37	34	29	70	1.40	+0.2	10	6,376	nw.	37	w.	6	3	11	16	7.0	8.2	0.0
Upper Mississippi Valley							**52.0**	**+1.5**										**65**	**2.08**	**-0.9**										**5.7**		
Minneapolis	918	102	208	28.87	29.86	----	44.2	----	79	24	53	10	1	35	34	----	----	----	3.38	+0.9	17	9,996	nw.	40	se.	26	6	9	15	6.7	2.0	0.0
St. Paul	837	236	261	28.96	29.88	-.11	43.6	-2.0	76	23	52	6	1	35	32	----	----	----	3.32	+1.0	18	11,115	nw.	47	se.	26	8	6	16	6.4	1.3	0.0
La Crosse	714	11	48	29.12	29.90	-.08	47.0	-0.2	81	24	57	7	1	37	32	----	----	----	2.24	0.0	13	4,637	w.	21	e.	16	5	13	12	6.6	T.	0.0
Madison	974	70	78	28.87	29.94	-.05	45.2	-0.2	76	24	53	17	1	37	28	40	36	76	3.25	+0.9	9	7,347	nw.	28	ne.	14	6	12	12	6.3	0.1	0.0
Wausau	1,247	4	----	28.57	29.93	----	38.6	----	63	23	46	3	1	31	28	----	----	----	5.97	----	15	----	w.	----	----	----	8	5	17	6.5	4.5	0.0
Charles City	1,015	10	49	28.82	29.90	-.08	47.7	+1.4	83	24	58	15	1	37	34	41	36	68	1.20	-1.6	9	6,268	se.	30	sw.	16	11	12	7	4.9	2.0	0.0
Davenport	606	71	79	29.26	29.92	-.06	52.2	+2.3	84	24	62	26	2	42	36	46	41	70	1.11	-1.8	10	6,185	s.	30	sw.	16	8	12	10	5.4	1.0	0.0
Des Moines	861	84	97	28.98	29.90	-.07	52.3	+2.2	84	24	63	16	1	42	34	45	38	62	0.78	-2.2	10	5,903	sw.	30	sw.	3	12	8	10	5.2	0.3	0.0
Dubuque	700	81	96	29.14	29.90	-.08	49.4	+0.8	82	24	59	21	1	40	30	42	36	64	1.12	-1.8	9	5,483	nw.	25	se.	16	12	5	13	5.9	0.8	0.0
Keokuk	614	64	78	29.26	29.93	-.05	55.0	+2.7	86	16	66	22	1	44	36	47	40	60	2.07	-1.3	8	6,476	w.	35	nw.	21	9	7	14	5.5	T.	0.0
Cairo	358	87	93	29.58	29.96	-.02	59.7	+1.6	87	16	69	26	1	50	34	50	43	60	2.49	-1.1	11	6,869	s.	34	sw.	21	6	11	13	5.8	T.	0.0
Peoria	609	11	45	29.28	29.94	-.05	53.5	+2.6	86	16	65	22	1	42	36	46	40	67	2.13	-1.2	10	5,596	s.	30	w.	19	13	10	7	4.4	0.4	0.0
Springfield, Ill	636	10	91	29.25	29.92	-.06	55.9	+3.2	85	16	66	26	1	45	35	48	41	65	2.18	-1.1	12	6,157	s.	24	nw.	19	11	10	9	5.0	0.2	0.0
Hannibal	534	74	109	29.36	29.94	-.04	56.1	+2.7	86	24	67	22	1	45	37	----	----	----	1.96	-1.3	10	6,922	sw.	38	sw.	19	9	10	11	5.5	T.	0.0
St. Louis	568	265	303	29.33	29.94	-.04	58.4	+2.6	86	16	68	25	1	49	32	49	43	62	1.90	-1.6	8	10,284	s.	61	s.	19	10	9	11	5.3	T.	0.0
Missouri Valley							**52.3**	**+1.4**										**61**	**1.53**	**-1.4**										**4.7**		
Columbia, Mo	784	11	84	29.10	29.94	-.04	56.6	+1.7	87	15	68	21	1	45	37	----	----	----	1.46	-2.2	6	6,312	s.	31	sw.	19	12	7	11	5.4	T.	0.0
Kansas City	963	161	181	28.88	29.92	-.04	56.8	+2.0	88	15	67	24	1	47	32	48	40	58	1.38	-1.9	7	8,099	s.	35	sw.	16	12	11	7	4.5	0.0	0.0
St. Joseph	967	11	49	28.87	29.90	----	55.8	----	88	15	67	20	1	44	36	46	37	57	0.62	----	5	6,869	nw.	33	nw.	19	15	9	6	4.1	0.0	0.0
Springfield, Mo	1,324	98	104	28.54	29.95	-.02	56.2	+0.2	87	15	66	24	1	47	31	48	41	61	3.22	-0.6	10	8,287	se.	41	sw.	19	16	7	7	3.9	0.0	0.0
Iola	984	11	50	28.87	29.91	-.04	57.0	+2.8	89	15	69	22	1	45	37	----	----	----	2.77	0.0	10	5,490	s.	27	n.	29	15	8	7	4.3	0.0	0.0
Topeka	987	92	107	----	----	----	56.2	+1.5	90	15	68	22	1	44	36	----	----	----	1.80	-0.9	7	8,083	sw.	35	sw.	24	12	11	7	4.5	0.0	0.0
Drexel	1,299	10	54	28.50	29.90	----	50.9	----	86	15	63	14	1	39	37	----	----	----	1.31	----	6	9,303	s.	38	nw.	19	11	10	9	5.1	0.0	0.0
Lincoln	1,189	11	84	28.63	29.90	-.04	53.6	+2.1	91	15	66	19	1	42	37	44	38	59	1.54	-1.2	6	8,837	s.	42	nw.	19	10	10	10	5.7	0.0	0.0
Omaha	1,105	115	122	28.72	29.90	-.05	53.4	+2.2	86	15	64	17	1	43	38	44	35	56	0.94	-2.1	7	6,620	nw.	38	n.	8	10	14	6	4.8	0.0	0.0
Valentine	2,598	47	54	----	29.88	-.06	46.8	+1.1	86	23	61	20	1	33	46	----	----	60	0.32	-2.0	8	8,540	w.	38	nw.	24	12	11	7	----	1.6	0.0
Sioux City	1,135	94	164	28.68	29.90	-.05	49.8	+2.0	88	14	61	8	1	38	40	42	35	62	1.16	-1.6	8	10,405	nw.	45	nw.	19	11	13	6	4.7	0.1	0.0
Huron	1,306	59	74	28.48	29.89	-.07	45.4	+0.2	86	23	59	5	1	32	49	39	32	68	0.92	-1.7	7	8,283	w.	36	nw.	16	13	12	5	4.2	3.0	0.0
Pierre	1,572	70	75	28.20	29.88	-.07	46.9	+0.1	88	23	59	12	1	34	46	39	31	64	0.99	-1.0	5	8,118	nw.	50	nw.	24	10	5	15	5.8	5.6	0.0
Yankton	1,233	49	57	28.57	29.89	-.06	49.0	+1.1	88	14	61	3	1	36	45	----	----	----	1.81	-1.0	8	7,444	w.	32	nw.	19	13	11	6	4.7	0.1	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, April, 1924*—Continued

Districts and stations	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.
Northern Slope							**42.4**	**−0.8**										**59**	**0.81**	**−0.8**										**6.2**		
Billings	3,140	5					44.8		78	22	58	20	25	32	46				0.59		3		nw.				9	7	14		0.0	T.
Havre	2,505	11	44	27.28	29.93	.00	42.8	−0.9	68	30	54	19	25	31	39	36	27	61	1.00	0.0	7	6,528	e.	36	nw.	18	7	16	7	5.4	1.4	0.0
Helena	4,110	87	112	25.75	29.98	+.01	42.2	−1.3	69	30	51	21	25	33	38	34	23	51	0.50	−0.6	8	7,150	sw.	44	sw.	18	3	8	19	7.6	2.1	0.0
Kalispell	2,973	48	56	26.89	29.97	+.01	42.9	−0.7	65	26	53	21	25	32	40	35	23	50	0.01	−1.0	1	4,941	sw.	35	sw.	14	8	10	12	5.9	0.1	0.0
Miles City	2,371	48	55	27.42	29.99	+.03	44.2	−0.5	71	22	53	28	1	36	32	38	30	63	1.31	+0.1	10	5,781	nw.	36	nw.	17	2	11	17	7.0	0.7	0.0
Rapid City	3,259	50	58	26.51	29.96	+.01	44.1	−0.2	77	22	56	18	1	32	44	36	28	56	0.34	−2.0	5	7,589	nw.	46	nw.	24	4	16	10	6.4	1.6	0.0
Cheyenne	6,088	84	101	23.91	29.93	+.02	39.4	−1.5	70	23	51	12	26	28	34	33	26	63	1.41	−0.4	9	10,000	w.	56	w.	18	7	12	11	6.1	9.7	0.0
Lander	5,372	60	68	24.57	29.96	+.02	40.5	−1.9	69	22	52	14	1	29	34	33	25	61	1.56	−0.9	5	4,460	sw.	54	w.	18	7	13	10	6.1	11.6	0.0
Sheridan	3,790	10	47	26.04	29.99		41.5		76	22	52	15	1	31	40	35	28	66	1.92		14	5,077	nw.	33	nw.	24	7	11	12	6.1	5.6	0.0
Yellowstone Park	6,200	11	48	23.80	29.98	+.02	35.6	−1.4	60	22	45	9	16	26	35	29	22	60	0.95	−0.4	9	6,501	nw.	30	s.	14	2	14	14	6.9	2.9	0.0
North Platte	2,821	11	51	26.99	29.92	.00	50.0	+1.4	87	14	64	21	1	36	49	40	30	58	0.20	−2.0	6	7,044	n.	36	n.	15	15	7	8	4.5	T.	0.0
Middle Slope							**53.1**	**−0.3**										**57**	**2.31**	**+0.1**										**4.8**		
Denver	5,292	106	113	24.64	29.92	+.02	46.0	−1.1	76	23	58	18	26	34	42	36	25	53	1.60	−0.6	10	6,157	s.	40	n.	17	11	12	7	5.2	16.1	0.0
Pueblo	4,685	80	86	25.20	29.88	.00	48.4	−1.7	80	14	63	19	1	34	45	38	27	52	0.49	−0.9	6	5,523	nw.	42	nw.	17	11	14	5	4.6	T.	0.0
Concordia	1,392	50	58	28.42	29.89	−.04	54.6	+1.1	88	15	66	21	1	43	37	45	35	55	1.38	−1.0	6	5,733	s.	30	nw.	15	8	16	6	5.0	0.0	0.0
Dodge City	2,509	11	51	27.34	29.94	+.04	53.4	−0.2	86	15	66	27	1	41	38	44	37	64	2.34	+0.5	9	8,282	s.	35	sw.	15	16	6	8	4.0	T.	0.0
Wichita	1,358	139	158	28.47	29.90	−.03	56.2	−0.2	85	15	67	28	1	46	32	47	38	58	4.38	+1.7	7	10,326	s.	44	ne.	29	14	10	6	4.5	0.0	0.0
Broken Arrow	765	11	52	29.10	29.93		58.8		88	15	69	30	1	49	33				5.06		9	10,161	se.	64	nw.	29	13	7	10	5.0	0.0	0.0
Muskogee	652	4					61.4		92	15	74	27	1	49	38				7.25		9		se.				16	5	9		0.0	0.0
Oklahoma City	1,214	10	47	28.65	29.93	+.01	60.0	+0.2	90	15	70	34	1	49	35	50	43	61	3.67	+0.9	7	8,094	s.	48	n.	29	11	10	9	5.1	0.0	0.0
Southern Slope							**61.3**	**−1.3**										**52**	**1.36**	**−0.4**										**3.9**		
Abilene	1,738	10	52	28.12	29.91	+.01	63.4	−1.0	91	21	76	33	1	51	37	52	43	56	2.92	+0.6	4	8,197	s.	46	sw.	24	15	4	11	4.6	0.0	0.0
Amarillo	3,676	10	49	26.19	29.90	+.03	55.1	+0.5	85	23	69	29	17	41	41	45	38	61	0.87	−0.8	7	8,066	s.	34	s.	15	17	12	1	3.4	T.	0.0
Del Rio	944	64	71	28.94	29.92	+.03	69.6	−1.0	95	21	81	41	1	58	36				1.11	−0.8	6	6,942	se.	48	n.	9	16	5	9	4.5	0.0	0.0
Roswell	3,566	75	85	26.27	26.85	.00	57.0	−3.6	85	20	72	27	1	42	50	43	25	38	0.53	−0.4	3	6,642	s.	42	nw.	3	18	8	4	3.2	T.	0.0
Southern Plateau							**56.1**	**−1.3**										**42**	**0.39**	**0.0**										**2.6**		
El Paso	3,762	110	133	26.12	29.85	+.02	61.4	−2.4	84	28	74	35	17	49	40	44	25	33	0.32	+0.1	4	8,197	w.	52	w.	15	17	10	3	3.0	0.0	0.0
Santa Fe	7,013	38	53	23.16	29.84	.00	45.6	−1.1	69	23	58	19	17	34	33	35	23	48	1.26	+0.4	6	5,365	se.	36	w.	15	17	8	5	3.7	7.1	0.0
Flagstaff	6,907	10	59	23.27	29.85	+.01	41.2	−1.0	66	29	55	16	17	28	40	33		60	1.80		7		w.	41	s.	23	16	7	7		1.5	0.0
Phoenix	1,108	11	81	28.72	29.87	.00	65.0	−2.0	91	19	80	38	17	50	45	50	36	42	0.22	−0.2	2	4,115	w.	30	nw.	11	19	10	1	2.7	0.0	0.0
Yuma	141	9	54	29.73	29.88	−.01	67.1	−2.4	95	19	82	43	17	52	44	52	36	39	0.11	0.0	1	4,468	s.	32	ne.	11	24	6	0	1.5	0.0	0.0
Independence	3,957	5	25	25.93	29.95	+.05	56.3	+1.2	84	30	71	30	16	42	41	42	22	31	0.03	−0.1	1	8,813	nw.	46	w.	14	23	3	4	1.9	0.0	0.0
Middle Plateau							**48.5**	**+0.1**										**47**	**0.54**	**−0.5**										**3.4**		
Reno	4,532	74	81	25.46	29.99	+.02	49.0	+1.7	76	21	64	21	16	34	39	37	24	44	0.18	−0.3	2	5,491	w.	38	w.	13	21	5	4	2.5	1.0	0.0
Tonopah	6,090	12	20	24.00	29.90		47.0		7	30	58	21	16	36	31	36	21	42	0.15		2		nw.									
Winnemucca	4,344	18	56	25.61	30.01	+.05	46.8	+0.1	76	30	64	12	16	30	49	36	22	45	0.23	−0.6	3	5,631	ne.	35	nw.	14	20	4	6	3.4	T.	0.0
Modena	5,479	10	43	24.56	29.90	+.02	45.8	−0.2	73	21	61	19	16	31	42	37	28	56	0.53	−0.3	3	8,484	w.	58	sw.	14	18	8	4	3.0	3.0	0.0
Salt Lake City	4,360	163	203	25.56	29.93	+.01	49.6	0.0	76	22	59	28	15	40	34	39	27	45	0.91	−1.4	4	6,347	nw.	34	s.	23	18	5	7	4.0	7.2	0.0
Grand Junction	4,602	60	68	25.29	29.86	−.02	51.2	−1.2	76	22	64	24	1	38	40	39	26	45	0.87	+0.1	4	4,989	se.	33	sw.	15	14	9	7	4.2	3.5	0.0
Northern Plateau							**48.8**	**−0.2**										**49**	**0.36**	**−1.0**										**5.2**		
Baker	3,471	48	53	26.47	30.08	+.08	44.3	+0.9	73	21	58	20	15	31	42	36	26	54	0.54	−0.4	4	4,711	se.	26	n.	23	14	8	8	4.2	T.	0.0
Boise	2,739	78	86	27.17	30.04	+.06	49.8	−0.6	75	29	62	24	16	37	38	40	27	45	0.54	−0.6	5	4,701	nw.	26	nw.	24	15	9	6	4.2	T.	0.0
Lewiston	757	40	48	29.26	30.08	+.09	52.1	−0.8	78	29	65	28	15	39	45				0.23	−0.9	3	3,411	e.	30	w.	18	6	11	13	6.3	0.0	0.0
Pocatello	4,477	60	68	25.41	29.94	.00	46.5	+0.5	73	22	58	20	16	35	36	37	25	49	0.61	−1.4	8	6,831	sw.	36	sw.	14	8	11	11	5.7	1.5	0.0
Spokane	1,929	101	110	27.98	30.05	+.06	47.6	−0.8	74	27	59	27	15	36	40	38	26	48	0.11	−1.2	2	5,902	sw.	36	n.	16	6	11	13	5.9	T.	0.0
Walla Walla	991	57	65	28.99	30.07	+.06	52.8	−0.3	79	29	64	31	24	42	35	43	32	47	0.13	−1.6	4	4,618	sw.	30	sw.	18	12	11	7	4.6	T.	0.0
North Pacific Coast Region							**49.6**	**+0.5**										**72**	**1.49**	**−1.7**										**5.9**		
North Head	211	11	56	29.95	30.19	+.14	47.6	+0.1	76	26	52	37	14	44	26	44	41	62	1.48	−1.8	14	12,345	nw.	46	nw.	22	2	5	23	8.1	0.0	0.0
Port Angeles	29	8	53		30.16		45.5		68	26	53	32	24	38	29				0.93	−1.0	9	5,758	s.	32	w.	16	9	12	9		T.	0.0
Seattle	125	215	250	30.04	30.17	+.14	49.0	−0.4	74	26	56	33	14	42	28	43	37	68	1.13	−1.2	8	6,573	s.	36	s.	17	7	8	15	6.4	1.5	0.0
Tacoma	213	113	120	29.94	30.15	+.12	48.8	+0.1	76	26	57	32	15	40	35				0.66	−2.2	8	6,781	sw.	39	sw.	16	4	14	12	6.8	0.0	0.0
Tatoosh Island	86	9	57	30.05	30.15	+.15	46.0	−0.1	65	25	50	37	3	42	21	45	44	92	4.91	−1.4	18	11,100	w.	46	e.	25	6	10	14	6.4	0.0	0.0
Yakima	1,071	4																														
Medford	1,425	5					53.5		83	6	70	28	4	37	48	45	37	62	0.38		3		nw.				12	3	15	3.8	0.0	0.0
Portland, Oreg.	153	68	106	30.00	30.16	+.10	53.0	+1.2	89	27	63	32	15	43	34	47	40	66	0.91	−2.1	9	4,697	nw.	25	e.	25	10	5	15	6.1	0.1	0.0
Roseburg	510	9	57	29.60	30.16	+.09	53.3	+2.3	84	2	68	32	24	39	47	45	37	63	0.45	−2.0	6	2,471	n.	20	sw.	14	12	14	4	4.0	0.0	0.0
Middle Pacific Coast Region							**56.9**	**+2.0**										**64**	**0.39**	**−1.8**										**3.3**		
Eureka	62	73	89	30.06	30.13	+.02	49.7	−0.2	67	29	56	37	4	44	21	46	44	82	0.67	−3.3	6	5,557	n.	32	n.	23	12	11	7	4.6	0.0	0.0
Point Reyes	490	7	18	29.48	30.00		51.8	+1.2	77	6	56	44	4	47	24				0.12		2	14,636	nw.	72	nw.	14	13	6	11	4.8	0.0	0.0
Red Bluff	332	50	56	29.63	29.99	−.04	63.6	+4.6	94	6	78	37	15	50	38	50	35	42	0.32	−1.5	1	5,149	nw.	31	n.	4	24	6	0	1.5	0.0	0.0
Sacramento	69	106	117	29.91	29.98	−.03	60.6	+2.5	88	6	74	41	4	47	38	51	44	61	0.30	−1.7	2	6,657	s.	36	nw.	4	24	4	2	1.8	0.0	0.0
San Francisco	155	208	243	29.85	30.02	−.03	57.4	+2.4	86	6	65	47	15	50	29	50	44	69	0.30	−1.5	2	7,418	w.	35	w.	14	17	6	7	3.8	0.0	0.0
San Jose	141	12	110	29.87	30.02		58.4	+1.7	90	6	71	36	16	45	41				0.38	−1.0	4	5,337	nw.	29	nw.	14	18	6	6	3.5	0.0	0.0
South Pacific Coast Region							**59.6**	**+1.1**										**66**	**0.77**	**−0.3**										**4.2**		
Fresno	327	89	98	29.62	29.98	−.01	62.0	+1.8	89	20	75	39	16	49	34	51	41	55	0.54	−0.2	3	5,044	nw.	36	nw.	15	22	5	3	2.3	0.0	0.0
Los Angeles	338	159	191	29.62	29.99	.00	60.4	+1.0	88	19	68	47	2	53	33	52	45	65	1.43	+0.3	6	4,288	sw.	28	n.	15	11	9	10	4.8	0.0	0.0
San Diego	87	62	70	29.89	29.98	−.01	59.4	+0.9	80	18	65	48	16	54	27	53	49	75	0.77	0.0	10	4,935	w.	28	w.	2	8	11	11	5.6	0.0	0.0
San Luis Obispo	201	32	40	29.81	30.03	−.02	56.6	+0.8	88	19	67	37	16	46	41	49	43	68	0.33	−1.2	5	3,332	nw.	20	w.	14	14	9	7	4.2	0.0	0.0
West Indies																																
San Juan, P. R.	82	8	54	29.89	29.97		77.3	+0.7	90	15	83	68	26	72	18				6.77	+2.9	16	7,719	e.	31	e.	11	11	16	3	4.3	0.0	0.0
Panama Canal																																
Balboa Heights	118	7	97	29.71	29.84	−.01	81.8	+0.2	95	19	90	72	16	74	21	75	73	83	3.72	+0.9	9	6,749	nw.	29	n.	8	0	22	8	6.2	0.0	0.0
Colon	36	7	97	29.82	29.86	.00	81.2	+0.2	89	17	86	74	20	76	14	75	74	81	10.85	+6.5	18	9,850	n.	29	n.	9	3	12	15	7.0	0.0	0.0
Alaska																																
Juneau	80	11	49	29.77	29.86		38.0		67	27	43	28	22	33	28	35	32	81	8.87		26	5,693	s.	37	se.	25	1	2	27	9.2	13.6	0.0

TABLE II.—*Data furnished by the Canadian Meteorological Service, April, 1924*

Stations	Altitude above mean sea level, Jan. 1, 1919	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: Mean maximum	Temperature of the air: Mean minimum	Temperature of the air: Highest	Temperature of the air: Lowest	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Total snowfall
	Feet	*In.*	*In.*	*In.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	*In.*	*In.*	*In.*
St. Johns, N. F.	125												
Sydney, C. B. I.	48												
Halifax, N. S.	88												
Yarmouth, N. S.	65												
Charlottetown, P. E. I.	38												
Chatham, N. B.	28												
Father Point, Que.	20	29.94	29.96	+.03	31.6	−1.6	37.9	25.3	53	10	2.32	+0.74	17.2
Quebec, Que.	296	29.62	29.95	−.04	36.1	+1.0	41.9	30.4	60	12	4.58	+2.49	30.5
Montreal, Que.	187	29.71	29.92	−.08	41.0	+1.3	47.8	34.3	70	19	6.10	+3.86	17.1
Stonecliffe, Ont.	489												
Ottawa, Ont.	236	29.68	29.96	−.06	41.6	+1.6	50.6	32.6	74	15	3.69	+2.19	10.0
Kingston, Ont.	285	29.63	29.95	−.07	41.4	+1.4	48.6	34.2	62	20	2.90	+1.11	4.1
Toronto, Ont.	379	29.55	29.97	−.05	42.8	+2.0	51.0	34.6	66	19	2.55	+0.18	3.5
Cochrane, Ont.	930												
White River, Ont.	1,244	28.58	29.93	−.11	31.6	−1.4	44.4	18.8	72	−10	0.92	−0.33	7.4
Port Stanley, Ont.	592												
Southampton, Ont.	656	29.24			38.7	0.0	46.5	30.9	40	5	0.85	−0.95	2.2
Parry Sound, Ont.	688	29.25	29.95	−.07	38.6	+1.0	48.0	29.3	62	3	2.42	+0.51	3.9
Port Arthur, Ont.	644	29.21	29.92	−.11	35.2	+1.7	41.7	28.8	51	9	1.52	−0.20	2.8
Winnipeg, Man.	760												
Minnedosa, Man.	1,690	28.06	29.91	−.10	32.6	−3.4	40.9	24.3	60	10	6.94	+5.88	58.9
Le Pas, Man.	860				27.9		38.6	17.3	58	−7	1.56		11.9
Qu'Appelle, Sask.	2,115	27.62	29.89	−.10	36.6	−0.8	46.5	26.8	65	12	1.15	+0.10	8.4
Medicine Hat, Alb.	2,144	27.57	29.84	−.08	44.6	+0.1	56.3	32.9	74	19	0.36	−0.38	3.4
Moose Jaw, Sask.	1,759				38.0		49.0	27.1	69	19	0.69		2.0
Swift Current, Sask.	2,392	27.32	29.97	+.01	38.3	−3.0	50.0	26.7	68	14	0.08	−0.85	0.8
Calgary, Alb.	3,428												
Banff, Alb.	4,521	25.29	29.90	.00	35.7	+0.4	46.4	25.1	66	5	1.17	+0.09	9.1
Edmonton, Alb.	2,150	27.59	29.90	+.01	37.5	−2.4	48.4	26.6	72	13	0.63	−0.25	6.3
Prince Albert, Sask.	1,450	28.37	29.98	.00	34.7	−1.4	46.0	23.4	69	6	0.82	−0.01	8.2
Battleford, Sask.	1,592	28.16	29.92	−.05	37.7	+0.5	49.9	25.6	74	12	0.15	−0.32	1.5
Kamloops, B. C.	1,262												
Victoria, B. C.	230	29.89	30.15	+.14	47.5	+0.7	53.8	41.2	70	34	1.83	−0.54	0.0
Barkerville, B. C.	4,180												
Triangle Island, B. C.	680												
Prince Rupert, B. C.	170												

LATE REPORTS, MARCH, 1924

Port Stanley, Ont.	592	29.25	29.91	−.12	30.2	+3.0	36.7	23.6	58	4	1.10	−1.78	7.7
Winnipeg, Man.	760	29.28	30.15	+.09	23.9	+11.6	33.0	14.8	46	2	0.09	−0.94	0.9
Medicine Hat, Alb.	2,144	27.62	29.92	−.08	31.5	+4.0	40.3	22.8	52	11	0.13	−0.63	1.3
Banff, Alb.	4,521	25.29	30.00	+.06	24.9	+4.7	37.9	12.0	47	−5	0.39	−1.02	3.9
Kamloops, B. C.	1,262	28.74	30.05	+.12	39.5	+3.4	49.9	29.2	58	15	0.14	−0.43	T.
Edmonton, Alb.	2,150	27.65	30.01	+.05	24.5	+0.3	33.4	15.7	45	−4	1.42	+0.70	14.2
Barkerville, B. C.	4,180	25.59	29.98	+.10	25.0	−1.1	34.2	15.8	41	−2	2.35	+0.46	23.5

SEISMOLOGICAL REPORTS FOR APRIL, 1924

W. J. HUMPHREYS, Professor in Charge

[Weather Bureau, Washington, June 3, 1924]

TABLE 1.—*Noninstrumental earthquake reports, April, 1924*

Day	Approximate time, Greenwich civil	Station	Approximate latitude	Approximate longitude	Intensity Rossi-Forel	Number of shocks	Duration	Sounds	Remarks	Observer
		CALIFORNIA								
1924	*H. m.*		° ′	° ′			*Sec.*			
Apr. 2	23 55	Spreckels	36 38	121 36	4 *ca.*	1	15	Rumbling	Felt by many	Spreckels Sugar Co.
3	23 50	Wrights	34 03	118 15	2	1	Brief.	Faint	do	C. E. Schmitt.
	23 52	Salinas	36 41	121 39	3	1	3 *ca.*	None	do	E. D. Eddy.
	23 54	San Francisco	37 48	122 26	3	3	2 *ca.*	do	do	W. Bailey.
	23 55	Los Gatos	37 12	121 58	5–6	1	7–8	Yes	do	I. H. Snyder.
		San Jose	37 15	121 53	5–6	3	1	Rumbling	Most severe since 1911	E. S. Nichols.
	23 56	Hayward	37 40	122 25	4	2	1–2	None	Felt by many	R. T. Robinson.
	23 57	Walnut Creek	37 55	122 15	5	1		do	do	G. D. Waener.
4	1 55	Yosemite	37 45	119 30	2	1	Few.	do	Felt by several	E. P. Leavitt.
11	6 12	Hayward	37 40	122 25	2	1	1	do	do	R. T. Robinson.
22	10 09	San Jose	37 15	121 53	3			Rattling	do	E. H. Jones.
		MONTANA								
9	3 52	Kalispell	48 15	114 30	3	1	1	Rumbling	Felt by many	J. Grover.
		WASHINGTON								
25	20 02	Seattle	47 38	122 20	3	1	5	None	do	M. B. Summers.