some in Missouri and was mostly in satisfactory condition, while favorable reports were received generally from the Great Plains States. Fall-seeded grains needed more moisture, however, in the Plateau districts of the West, but rainfall was beneficial in central and north Pacific States.

It was mostly unfavorable for seeding spring oats, especially the latter part of the month, where this work is usually in progress during February. Some oats had been sown at the close, however, northward to south-central Kansas, and seeding made fairly good progress in the extreme lower Great Plains. Some rice land was prepared in California and Louisiana.

The month was generally favorable for livestock interests in the great western grazing districts, although the cold, stormy conditions early in the month in the central Great Plains were hard on stock, especially in Kansas and Nebraska, while pastures continued short in Oklahoma. The range remained in good condition in Texas, except locally in the western portion where it was too dry, and there was sufficient precipitation in much of the far Southwest to benefit range land. More moisture was needed, however, in the western Plateau districts, particularly in Utah and Nevada, while dry weather unfavorably affected pastures in southern California. Lambing made satisfactory progress the latter part of the month in southwestern districts, and shed lambing showed good results in the far Northwest.

The month, on the whole, was favorable for fruit. There was some complaint of injury to peach buds by cold weather in Missouri, and some buds were killed in Georgia, but on the whole frost damage during the month was not extensive. Early fruits were blooming in the east Gulf sections and parts of the Pacific coast, while the warm weather the last part of the month caused trees to blossom prematurely in Arizona. There was some damage by frost to berries in Florida, but citrus generally continued in good condition.

CLIMATOLOGICAL TABLES

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, February, 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	47.0	−0.8	Selma	81	15	Valley Head	12	6	4.65	−0.67	Leeds	7.34	Union Springs	1.43
Alaska														
Arizona	48.7	+2.5	Continental	92	[2] 7	Springerville	3	[2] 3	0.05	−1.17	St. Johns	0.69	Ajo	0.00
Arkansas	42.9	+0.7	Subiaco	82	14	Gravette	−7	6	2.26	−1.02	Portland	6.36	Fayetteville	0.60
California	53.3	+4.8	2 stations	91	[2] 13	Helm Creek	−9	11	1.76	−2.50	Inskip	10.02	29 stations	0.00
Colorado	31.4	+4.6	Lamar	80	14	Dillon	−30	24	0.51	−0.58	Savage Basin	2.41	7 stations	T.
Florida	58.0	−2.6	Gainesville	88	19	4 stations	24	10	3.30	+0.17	Arcadia	6.86	Sand Key	0.38
Georgia	46.7	−1.2	Valdosta	84	[2] 15	Clayton	10	22	3.96	−1.01	Clayton	7.35	Brunswick	1.89
Hawaii														
Idaho	35.5	+7.3	stations	67	[2] 14	Warren	−9	9	1.55	−0.10	Warren	5.63	Deer Flat	0.02
Illinois	30.5	+2.8	Harrisburg	70	3	Mount Carroll	−6	22	1.56	−0.52	Fairfield	2.37	Mount Vernon	0.66
Indiana	30.1	+0.9	Rome	70	3	Goshen	−6	23	1.62	−1.03	Valparaiso	2.39	Goshen	0.63
Iowa	25.8	+5.3	Clarinda	70	2	Decorah	−15	22	1.27	+0.12	Lacona	4.00	Algona	0.30
Kansas	35.7	+3.4	2 stations	81	14	2 stations	−10	21	0.82	−0.30	Walnut	3.55	Minneapolis	0.10
Kentucky	36.0	0.0	do	71	[2] 3	Farmers	9	22	2.56	−0.97	Middlesboro	5.10	Louisville	1.46
Louisiana	52.5	−0.5	Newellton	81	16	Robeline	12	6	4.94	+0.37	Franklin	7.67	St. Francisville	2.06
Maryland-Delaware	32.4	0.0	Princess Anne, Md	68	5	Grantsville, Md	−13	24	3.47	+0.40	Millington, Md	4.48	Public Landing, Md	2.09
Michigan	19.9	+1.7	2 stations	52	26	Humboldt	−35	23	1.79	+0.10	Traverse City	3.10	Eagle Harbor	0.53
Minnesota	18.8	+8.1	Pipestone	66	28	2 stations	−29	22	0.52	−0.26	Grand Marais	1.80	Waskish	0.04
Mississippi	48.3	−0.3	Macon	83	15	Holly Springs	18	6	4.51	−0.43	Hickory	7.49	Hernando	1.53
Missouri	33.8	+2.0	Hollister	70	14	3 stations	−5	[2] 6	1.88	−0.27	Lamar	3.00	Seymour	0.60
Montana	31.5	+10.0	Chinook	67	12	Browning	−27	20	0.84	+0.06	Heron	3.82	Sunset Orchard	T.
Nebraska	30.7	+5.8	North Loup	72	2	2 stations	−15	[2] 8	0.82	+0.10	Ainsworth	2.70	Hebron	T.
Nevada	41.5	+6.8	Las Vegas	84	[2] 17	do	2	[2] 1	0.55	−0.37	Owyhee	1.96	6 stations	0.00
New England	18.3	−3.8	Turners Falls, Mass.	54	27	Van Buren, Me	−28	9	2.38	−0.83	Bristol, R. I	4.45	Bethlehem, N. H	0.90
New Jersey	28.9	−1.0	Bridgeton	62	4	Layton	−3	25	4.10	+0.40	Indian Mills	6.11	Newton	2.45
New Mexico	38.8	+1.4	Boaz	85	10	Harvey's Upper Ranch.	−13	4	0.41	−0.33	Lee's Ranch	4.11	2 stations	0.00
New York	18.8	−2.8	2 stations	53	[2] 4	Wanakena	−26	18	2.66	−0.17	Flushing	4.92	Lauterbrunnen	0.64
North Carolina	39.9	−1.8	do	76	5	Banners Elk	2	9	4.35	+0.28	Edenton	7.35	Cullowhee	2.01
North Dakota	20.3	+12.4	Berthold Agency	67	11	2 stations	−27	21	0.41	−0.08	Foxholm	1.01	2 stations	T.
Ohio	28.7	+0.1	Clarington	75	4	Canfield	−8	24	2.02	−0.47	Middleport	4.18	Defiance	0.9
Oklahoma	42.2	+2.8	Altus	88	15	Spavinaw	−5	6	0.93	−0.48	McAlester	3.55	Buffalo	T.
Oregon	43.0	+5.9	Riddle	74	13	Crater Lake	1	9	3.05	−0.52	Astoria	11.52	Silver Lake	0.05
Pennsylvania	26.9	−0.4	Uniontown	70	4	West Bingham	−25	24	2.94	+0.11	Pottsville	5.16	Erie	1.27
Porto Rico														
South Carolina	44.2	−2.8	Yemassee	78	18	2 stations	13	9	3.54	−0.85	Walhalla	6.32	Garnett	1.41
South Dakota	25.4	+8.1	Tyndall	68	2	La Delle	−23	21	0.93	+0.37	Spearfish	3.57	Victor	0.13
Tennessee	39.3	−1.0	3 stations	76	[2] 3	2 stations	6	[2] 7	3.99	−0.10	Clinton	5.83	Paris	1.44
Texas	49.8	−0.5	San Benito	95	4	Clint	8	5	2.49	+0.69	Freeport	8.31	Childress	0.00
Utah	35.9	+6.0	St. George	75	12	Panguitch	−7	1	0.28	−1.00	High Line City Creek.	1.74	12 stations	0.00
Virginia	35.5	−1.1	Runnymede	72	5	Burkes Garden	2	9	2.67	−0.47	Runnymede	4.27	Winchester	0.82
Washington	44.1	+7.4	Hanford	71	12	Snyder's Ranch	−1	9	4.42	+0.91	Forks	23.98	Attalia	0.27
West Virginia	31.6	−0.4	Janelew	74	4	Cheat Bridge	−16	16	3.21	+0.15	Pickens	8.18	Upper Tract	0.84
Wisconsin	20.3	+4.8	3 stations	50	[2] 26	Long Lake	−31	23	1.09	−0.03	Manitowoc	2.76	Iron River	0.22
Wyoming	27.6	+5.8	Pinebluff	68	14	Moran	−27	24	0.73	−0.04	Dome Lake	3.06	Powell	0.04

[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, February, 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							**21.8**	**−3.7**										**72**	**2.47**	**−1.0**										**4.9**		
Eastport	76	67	85	29.89	29.98	.00	17.8	−3.7	37	27	25	0	19	10	23	15	8	64	1.07	−2.7	5	9,062	nw.	55	e.	20	11	8	10	5.3	8.1	5.6
Greenville, Me.	1,070	6		28.30	30.04		10.0		40	27	20	−10	10	0	40				2.24		7		ne.				16	6	7		22.5	27.5
Portland, Me.	103	82	117	29.92	30.05	+.03	19.8	−4.0	39	28	27	2	24	12	26	16	11	70	3.84	+0.1	8	6,281	nw.	37	e.	20	18	4	7	4.0	23.2	22.2
Concord	288	70	79	29.73	30.06	+.02	18.8	−4.0	44	27	28	−6	10	9	37				1.57	−1.8	9	3,691	nw.	23	nw.	16	19	2	8	3.7	16.0	11.8
Burlington	404	11	48	29.64	30.12	+.09	12.0	−5.9	34	27	21	−10	9	3	30				1.59	+0.2	9	5,781	n.	35	s.	20	9	7	13	6.2	20.8	11.7
Northfield	876	12	60	29.09	30.09	+.05	10.5	−6.7	39	27	23	−20	9	−2	44	8	5	86	2.19	−0.2	10	4,178	n.	28	sw.	21	8	8	13	6.2	27.5	15.9
Boston	125	115	188	29.89	30.03	−.01	26.6	−2.2	44	28	33	10	24	20	23	22	15	62	2.61	−1.0	7	7,458	w.	34	e.	20	15	6	8	4.4	10.4	1.0
Nantucket	12	14	90	29.99	30.00	−.04	29.8	−2.8	49	6	35	15	14	25	30	27	24	81	1.92	−1.3	7	10,584	nw.	58	se.	20	10	6	13	5.7	3.6	0.0
Block Island	26	11	46	29.98	30.01	−.05	28.0	−2.4	47	20	33	14	24	23	22	26	21	73	2.57	−1.8	6	14,642	nw.	60	e.	20	13	6	10	5.0	3.0	0.0
Providence	160	215	251	29.86	30.04	−.01	25.5	−3.5	43	2	32	9	24	19	24	22	16	69	3.67	−0.9	8	8,573	nw.	38	w.	21	15	4	10	4.5	7.4	T.
Hartford	159	122	140	29.87	30.05	−.01	24.9	−2.3	44	3	32	6	13	18	24				2.98	−0.7	8		nw.				14	7	8	4.1	2.7	3.0
New Haven	106	74	153	29.94	30.06	−.01	26.2	−2.8	44	3	33	8	13	20	22	22	17	70	3.18	−0.7	9	6,562	ne.	33	nw.	16	16	4	9	4.4	9.8	0.5
Middle Atlantic States							**31.5**	**−1.8**										**71**	**3.16**	**−0.2**										**5.8**		
Albany	97	102	115	29.99	30.10	+.03	19.0	−5.1	39	27	27	0	13	11	32	17	13	80	1.59	−1.0	10	5,045	ne.	26	s.	10	13	5	11	5.1	11.3	1.0
Binghamton	871	10	84	29.08	30.05	−.03	21.3	−3.4	41	4	29	−10	24	13	40				2.57	+0.6	11	4,358	nw.	28	se.	20	7	6	16	7.2	22.4	4.5
New York	314	414	454	29.71	30.07	−.01	29.2	−2.1	46	3	36	9	13	23	21	26	20	69	3.84	0.0	10	12,842	nw.	55	nw.	21	9	7	13	6.2	10.7	T.
Harrisburg	374	94	104	29.68	30.10	+.01	29.8	−0.4	46	2	36	12	24	24	21	26	20	69	4.11	+1.3	10	4,238	w.	19	nw.	10	5	9	15	6.3	15.3	2.0
Philadelphia	114	123	190	29.96	30.09	−.01	32.5	−1.4	54	4	39	15	24	26	20	28	21	65	4.57	+1.1	10	7,665	n.	34	e.	5	10	7	12	5.7	10.3	T.
Reading	325	81	98	29.72	30.09		30.0		46	3	36	12	24	24	18	27	23	77	4.20	+0.6	8	5,462	nw.	38	e.	20	12	5	12	5.2	14.1	0.4
Scranton	805	111	119	29.18	30.08	.00	25.7	−1.2	45	4	33	6	24	19	28	22	18	77	2.67	−0.2	10	5,360	nw.	30	ne.	20	4	10	15	7.1	15.0	1.5
Atlantic City	52	37	172	30.01	30.07	−.04	32.7	−0.9	53	5	38	15	13	27	19	29	25	76	4.05	+0.7	9	12,748	nw.	68	se.	20	13	6	10	5.1	12.8	0.0
Cape May	17	13	49	30.09	30.11	.00	33.6	−0.5	52	5	39	15	24	28	18	30	26	77	2.51	−0.9	9	6,749	nw.	46	se.	20	10	5	14	5.6	5.3	0.0
Sandy Hook	22	10	55	30.04	30.06		29.6		45	20	34	12	13	25	15	26	20	70	4.41		11	12,599	w.	56	ne.	5	11	6	12	5.5	8.5	T.
Trenton	190	159	183	29.86	30.07		29.6		50	2	36	9	14	23	24	25	19	68	3.44	+0.1	12	8,739	nw.	44	e.	5	11	5	13	5.7	15.6	0.0
Baltimore	123	100	113	29.95	30.08	−0.3	34.6	−0.8	56	4	40	18	24	29	20	30	24	67	4.14	+0.5	8	4,594	w.	24	ne.	20	8	10	11	5.9	10.2	0.0
Washington	112	62	85	29.97	30.10	−0.1	34.2	−1.1	59	4	40	17	24	28	22	29	23	66	3.05	−0.5	8	5,712	nw.	33	nw.	15	8	10	11	6.0	4.9	0.0
Cape Henry	18	8	54	30.04	30.06		39.6		64	5	45	26	23	34	30	36	31	75	3.64	−0.2	10	11,168	nw.	62	n.	15	12	10	7	4.8	1.5	T.
Lynchburg	681	153	188	29.32	30.09	−.02	37.8	−2.5	68	4	46	22	23	30	34	31	24	63	1.87	−1.8	6	6,175	nw.	36	nw.	10	10	11	8	5.4	1.3	0.0
Norfolk	91	170	205	29.98	30.09	−.02	40.5	−2.2	68	4	48	25	16	33	25	35	28	66	3.15	−0.7	8	10,162	ne.	44	ne.	27	11	12	6	4.7	3.0	0.0
Richmond	144	11	52	29.94	30.10	−.01	38.2	−1.4	68	5	47	20	16	30	30	31	24	64	2.34	−0.9	8	6,307	ne.	34	nw.	10	12	8	9	5.3	T.	0.0
Wytheville	2,304	49	55	27.64	30.11	−.01	32.2	−2.9	60	4	39	14	9	26	28	28	24	77	2.00	−2.2	11	5,652	w.	30	sw.	11	6	7	16	7.0	7.6	T.
South Atlantic States							**44.5**	**−3.4**										**71**	**3.19**	**−0.8**										**4.9**		
Asheville	2,255	70	84	27.69	30.13	.00	35.8	−2.7	62	3	43	16	22	28	31	31	26	72	2.79	−0.5	11	7,557	nw.	31	n.	14	9	9	11	5.6	8.0	T.
Charlotte	779	55	62	29.23	30.09	−.03	40.6	−3.3	66	3	49	21	9	32	29	34	29	68	4.18	−0.3	11	4,430	ne.	24	w.	10	9	9	11	5.6	2.4	0.0
Hatteras	11	11	50	30.04	30.05	−.06	44.3	−3.1	64	5	51	28	10	38	23	40	37	78	6.15	+1.5	11	12,190	nw.	56	nw.	27	12	10	7	4.8	0.0	0.0
Manteo	12	5	42				41.6		66	4		21	10		32				6.68		8		n.								0.0	0.0
Raleigh	376	103	110	29.68	30.10	−.01	40.6	−2.6	68	3	49	22	22	32	28	35	29	68	4.95	+0.5	9	6,513	nw.	32	nw.	10	10	9	10	5.2	2.4	0.0
Wilmington	78	81	91	30.00	30.10	−.02	46.1	−1.8	68	4	55	25	9	37	28	40	36	74	2.61	−0.9	9	5,544	w.	33	s.	20	15	7	7	4.2	0.0	0.0
Charleston	48	11	92	30.04	30.09	−.03	49.5	−2.9	73	18	57	29	9	42	25	43	37	70	1.57	−1.9	7	8,442	w.	38	ne.	26	13	5	11	4.7	0.0	0.0
Columbia, S. C.	351	41	57	29.72	30.11	.00	44.5	−3.7	72	15	54	22	9	35	32	38	32	69	2.18	−2.5	8	5,403	ne.	35	sw.	5	14	5	10	4.8	T.	0.0
Due West	711	10	55	29.33	30.12		41.6		71	15	51	18	9	32	34				3.54		12	7,504	w.	37	ne.	26	10	7	12	5.4	0.4	0.0
Greenville, S. C.	1,039	113	122	29.95	30.07		41.5	−1.8	70	15	50	20	9	33	36	35	30	69	3.90		11	6,760	ne.	35	ne.	26	14	4	11	4.9	T.	0.0
Augusta	180	62	77	29.90	30.10	−.02	46.0	−3.9	73	15	55	26	9	37	33	40	35	74	2.86	−1.6	10	4,349	nw.	27	sw.	5	12	7	10	4.9	0.0	0.0
Savannah	65	150	194	30.03	30.10	−.02	50.2	−3.8	76	18	59	28	9	42	27	43	37	70	1.92	−1.5	7	9,848	nw.	40	ne.	26	15	7	7	4.0	0.0	0.0
Jacksonville	43	209	245	30.05	30.10	−.02	54.6	−3.4	77	18	63	31	9	46	28	47	41	69	2.65	−0.9	9	9,346	w.	40	w.	5	12	9	8	4.5	0.0	0.0
Florida Peninsula							**63.6**	**−3.6**										**74**	**1.84**	**−0.6**										**5.2**		
Key West	22	10	64	30.07	30.09	+.02	67.6	−2.9	81	26	72	56	29	63	16	61	58	78	0.47	−1.2	5	9,239	n.	35	w.	26	9	13	7	5.0	0.0	0.0
Miami	25	71	79	30.09	30.12		64.0	−4.8	79	5	72	42	10	56	27	57	53	72	1.69	−0.5	6	6,638	nw.	30	w.	29	12	6	11	5.3	0.0	0.0
Sand Key	23	39	72	30.08	30.11	+.01	67.4		78	26	70	57	10	64	11	62	58	72	0.38		3	13,549	n.	47	w.	26	8	14	7	5.3	0.0	0.0
Tampa	35	79	87	30.08	30.12	+.02	59.2	−3.1	79	18	67	38	10	51	29	52	48	74	3.35	0.0	9	4,488	w.	22	w.	1	10	10	9	5.1	0.0	0.0
East Gulf States							**49.0**	**−2.3**										**70**	**4.52**	**−0.4**										**5.2**		
Atlanta	1,174	190	216	28.84	30.10	−.02	42.2	−3.1	71	15	50	19	22	34	27	36	30	68	2.97	−1.8	11	9,459	nw.	42	e.	26	10	5	14	5.7	T.	0.0
Macon	370	78	87	29.71	30.11	−.01	46.2	−3.1	75	15	56	22	9	36	39	39	33	65	4.83	+0.1	9	4,913	nw.	30	se.	4	10	7	12	5.4	0.0	0.0
Thomasville	273	49	58	29.80	30.11	−.01	52.6	−2.4	78	18	62	28	9	43	31	44	39	69	4.31	−0.3	8	3,789	sw.	24	ne.	26	11	7	11	4.9	0.0	0.0
Apalachicola	36	42	49	30.07	30.11		54.0		72	14	61	34	9	47	25	48	45	77	5.27		9	5,977	w.	31	ne.	26	12	10	7	4.3	0.0	0.0
Pensacola	56	149	185	30.05	30.11	.00	53.0	−2.2	72	14	60	34	9	46	21	48	44	75	3.34	−1.3	6	9,501	n.	46	sw.	4	10	7	12	5.3	0.0	0.0
Anniston	741	9	57	29.33	30.15	+.03	43.8	−2.0	73	15	54	17	9	34	40				3.75	−1.0	12	4,517	nw.	23	e.	26	13	2	14	5.3	0.1	0.0
Birmingham	700	11	48	29.35	30.13	+.01	46.2	−1.8	75	15	55	24	22	37	31	39	32	64	5.89	+1.0	12	5,369	nw.	31	se.	4	12	4	13	5.2	T.	0.0
Mobile	57	125	161	30.05	30.11	.00	52.4	−2.8	71	14	61	31	6	44	24	47	43	76	4.37	−1.2	7	6,923	sw.	44	sw.	4	9	9	11	5.3	0.0	0.0
Montgomery	223	100	112	29.86	30.12	.00	49.4	−2.2	77	15	58	26	9	41	35	43	37	67	5.75	+0.1	8	5,113	nw.	24	e.	26	14	3	12	5.0	T.	0.0
Corinth	469	6					43.2		76	15	52	20	6	34	38				4.52		16		nw.				7	11	11		T.	0.0
Meridian	375	85	93	29.71	30.12	+.01	48.6	−1.0	76	15	58	26	6	39	37	42	36	67	5.16	+0.1	8	4,374	nw.	25	ne.	26	15	4	10	4.9	T.	0.0
Vicksburg	247	65	73	29.87	30.16	+.06	49.2	−2.6	76	15	57	24	6	41	29	42	36	66	3.79	−1.0	11	5,334	n.	29	w.	5	10	6	13	5.7	T.	0.0
New Orleans	53	76	84	30.06	30.12	+.03	55.2	−2.1	76	17	63	33	6	47	24	49	44	73	5.53	+1.0	9	4,838	s.	25	ne.	25	10	8	11	5.2	0.0	0.0
West Gulf States							**49.5**	**−0.6**										**73**	**2.86**	**0.0**										**5.8**		
Shreveport	249	77	93	29.88	30.16	+.07	49.0	−1.0	75	15	57	23	6	41	28	42	36	68	3.83	+0.1	10	4,973	nw.	29	w.	3	9	5	15	6.3	T.	0.0
Bentonville	1,303	11	44				38.6	+0.1	73	14	48	2	6	29	34				1.76		8	3,938	nw.	25	nw.	29	11	6	12		2.0	0.0
Fort Smith	457	79	94	29.64	30.13	+.03	42.2	−2.7	73	14	51	14	6	34	33	37	31	68	1.55	−1.3	9	6,037	e.	32	nw.	5	11	3	15	5.9	T.	0.0
Little Rock	357	136	144	29.74	30.13	+.02	44.1	−0.8	76	13	52	15	6	36	37	38	31	66	1.64	−2.7	9	6,849	n.	40	sw.	3	10	3	16	6.0	T.	0.0
Brownsville	57	53	61	30.04	30.10		62.0		86	3	71	35	27	53	28	55	52	79	0.87		7	6,535	s.	33	nw.	25	12	11	6	4.5	0.0	0.0
Corpus Christi	20	11	73	30.11	30.13	+.08	58.0	+0.3	80	1	66	37	27	50	26	53	50	81	1.30	−0.8	7	9,659	s.	37	nw.	25	13	6	10	5.3	0.0	0.0
Dallas	512	109	117	29.60	30.16		47.4		78	2	56	23	6	38	33				2.24		8	6,089	nw.	40	nw.	4	8	7	14	6.2	5.5	0.0
Fort Worth	670	106	114	29.42	30.15	+.08	47.4	−0.7	80	2	57	23	5	38	35	41	35	68	1.97	+0.6	6	5,970	nw.	40	w.	4	10	5	14	5.9	7.5	0.0
Galveston	54	106	114	30.08	30.14	+.07	55.6	−0.7	72	1	61	35	5	50	22	51	49	84	5.67	+2.5	8	6,611	se.	42	nw.	4	12	8	9	4.6	0.0	0.0
Groesbeck	461	11	56	29.64	30.13		48.7		78	14	57	25	6	40	36				4.08		9	8,151	n.	38	n.	25	9	2	18	6.3	3.5	0.0
Houston	138	111	121	29.98	30.13		55.4	+1.4	80	14	64	34	5	47	34				4.87		11	5,975	n.	30	nw.	4	9	8	12	5.7	0.0	0.0
Palestine	510	64	72	29.60	30.15	+.07	49.1	−2.1	78	14	57	26	6	41	33	44	38	70	3.97	+0.5	8	6,093	n.	30	nw.	4	9	4	16	6.5	T.	0.0
Port Arthur	34	58	66	30.08	30.12		54.9		74	14	62	34	5	48	24	50	46	78	6.34		10	7,043	se.	37	nw.	4	11	4	14	5.6	0.0	0.0
San Antonio	693	119	132	29.39	30.13	+.08	54.4	0.0	81	1	64	32	25	44	35	47	41	68	3.02	+1.2	6	6,714	ne.	41	nw.	3	11	7	11	5.3	T.	0.0
Taylor	583	55	63	29.54	30.16	+.10	50.4	−0.9	79	14	59	29	5	42	38				2.79	+0.1	9	6,707	n.	35	w.	4	8	6	15	6.4	3.8	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, February, 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							**34.4**	**−1.6**										**74**	**2.62**	**−1.1**										**7.2**		
Chattanooga	762	189	213	29.29	30.13	.00	41.5	−2.6	71	15	49	20	22	34	37	35	28	63	4.02	−1.1	12	5,992	w.	29	se.	4	10	5	14	6.0	T.	0.0
Knoxville	996	102	111	29.02	30.10	−.02	40.2	−1.7	66	3	47	21	9	33	32	35	30	74	4.66	−0.4	12	4,677	ne.	29	sw.	5	4	4	21	7.8	2.0	0.0
Memphis	399	76	97	29.69	30.13	+.02	42.8	−1.5	74	15	50	20	6	36	32	38	32	69	2.52	−2.0	9	5,939	n.	41	sw.	4	13	5	11	5.1	T.	0.0
Nashville	546	168	191	29.54	30.14	+.02	38.8	−2.8	68	3	46	18	7	31	33	34	30	74	3.44	−1.0	11	6,853	nw.	40	se.	4	8	5	16	6.6	1.5	0.0
Lexington	989	193	230	29.02	30.13	+.02	33.4	−2.0	65	3	40	14	7	27	24				2.60	−0.7	10	10,129	sw.	38	sw.	5	3	6	20	7.8	3.0	0.0
Louisville	525	219	255	29.54	30.14	+.03	34.4	−2.8	67	3	41	14	7	28	26	30	25	68	1.46	−2.4	8	8,570	ne.	39	sw.	4	4	9	16	7.2	1.5	0.0
Evansville	431	139	175	29.66	30.14	+.03	35.6	−0.7	69	3	42	15	6	29	25	31	26	72	1.55	−1.6	9	8,569	nw.	32	sw.	5	3	13	13	6.8	2.0	0.0
Indianapolis	822	194	230	29.20	30.12	+.02	30.5	−0.6	60	3	37	13	22	24	28	28	24	80	1.44	−1.8	11	9,290	w.	38	nw.	9	1	13	15	7.4	3.6	0.0
Royal Center	736	11	55	29.29	30.13		26.6		50	3	33	4	22	20	29				1.36		8	8,025	e.	38	nw.	9	6	4	19	7.5	3.6	0.0
Terre Haute	575	96	129	29.49	30.13		31.8		62	3	38	11	7	25	24	28	25	77	1.89		10	7,583	nw.	31	nw.	10	3	11	15	7.1	2.9	0.0
Cincinnati	628	11	51	29.42	30.12	+.02	31.6	−1.2	61	3	38	15	22	25	26		25	78	1.70	−1.6	12	6,516	sw.	28	sw.	9	4	6	19	7.6	2.9	0.0
Columbus	824	179	222	29.20	30.11	+.02	30.2	−0.5	60	4	36	15	16	24	23	26	22	75	1.73	−1.4	14	8,326	w.	39	nw.	10	2	6	21	8.2	5.3	0.0
Dayton	899	137	173	29.12	30.11		30.4	+0.4	59	3	36	14	22	24	26	27	23	75	1.79	−1.4	14	7,938	ne.	36	nw.	10	3	8	18	7.4	2.6	0.0
Elkins	1,947	59	67	27.97	30.12	+.02	29.6	−2.0	66	4	38	−4	16	22	41	26	23	82	4.07	+0.8	17	4,244	w.	28	w.	10	0	9	20	8.3	15.2	T.
Parkersburg	638	77	84	29.44	30.12	+.02	33.4	−0.8	68	4	40	15	16	27	27	29	26	80	3.07	−0.3	11	4,366	sw.	30	nw.	10	4	6	19	7.7	7.0	0.0
Pittsburgh	842	353	410	29.16	30.10	+.01	29.3	−3.0	66	4	36	10	16	23	26	26	21	73	2.59	−0.2	13	8,099	w.	42	nw.	10	4	7	18	7.3	11.6	T.
Lower Lake Region							**22.1**	**−2.9**										**80**	**2.11**	**−0.4**										**6.9**		
Buffalo	767	247	280	29.23	30.10	+.04	21.4	−2.9	39	5	27	1	24	15	22	19	16	79	2.65	−0.3	19	12,829	w.	64	sw.	20	5	7	17	7.4	22.0	10.9
Canton	448	10	61	29.58	30.10		10.0	−8.0	35	27	19	−19	19	1	29				2.02	−0.6	10	7,538	w.	44	e.	5	13	7	9	4.6	20.5	16.5
Oswego	335	76	91		30.09	+.03	19.2	−4.7	34	2	26	−1	17	13	27			87	1.79	−0.9	12	8,066	s.	37	nw.	10	6	3	20		29.7	17.7
Rochester	523	86	102	29.51	30.10	+.04	21.0	−3.6	38	6	27	0	24	15	28	19	15	77	3.07	+0.2	16	6,159	w.	34	w.	21	6	2	21	7.5	29.4	12.5
Syracuse	597	97	113	29.42	30.09	+.02	19.3	−4.5	35	2	26	2	19	13	25				2.75	+0.9	16	7,483	w.	42	w.	10	6	5	18	7.2	21.0	8.8
Erie	714	130	166	29.29	30.09	+.02	23.4	−3.5	42	1	30	2	24	17	23	22	19	80	1.27	−1.7	15	9,136	sw.	62	se.	20	6	5	18	7.2	10.0	3.2
Cleveland	762	190	201	29.25	30.10	+.03	25.4	−2.0	48	5	30	8	24	20	20	24	20	81	1.50	−1.2	14	8,598	ne.	42	nw.	10	3	9	17	7.8	7.8	0.9
Sandusky	629	62	70	29.40	30.11	+.04	26.1	−1.3	41	5	31	10	24	22	20				1.67	−0.8	14	6,125	w.	43	nw.	10	2	10	17	7.5	10.0	T.
Toledo	628	208	243	29.41	30.12	+.05	25.8	−1.5	43	27	31	9	24	20	22	23	20	79	2.28	+0.2	13	10,555	sw.	45	w.	10	7	8	14	6.6	13.9	0.3
Fort Wayne	856	113	124	29.16	30.12		26.2	+0.4	47	1	32	6	22	20	22	24	20	80	1.23		10	7,164	e.	31	nw.	9	8	5	16	6.7	8.7	T.
Detroit	730	218	258	29.29	30.12	+.06	25.5	+0.2	45	27	31	9	24	20	24	23	19	78	2.06	−0.2	15	8,111	e.	38	e.	19	8	7	14	6.4	13.5	0.4
Upper Lake Region							**20.7**	**+1.6**										**84**	**1.60**	**−0.2**										**6.8**		
Alpena	609	13	92	29.44	30.14	+.11	16.4	−1.6	36	1	25	−12	24	7	39	16	12	82	1.62	−0.2	13	8,492	nw.	46	ne.	5	5	11	13	6.6	18.8	10.0
Escanaba	612	54	60	29.47	30.17	+.11	17.6	+2.2	37	10	26	−2	13	10	30	16	14	85	1.09	−0.3	6	6,876	n.	32	ne.	5	7	5	17	6.8	10.6	9.5
Grand Haven	632	54	89	29.41	30.13	+.08	23.3	−0.9	38	27	30	−2	23	17	27	21	17	77	2.19	+0.2	11	8,001	ne.	43	w.	9	7	7	15	6.7	15.5	2.8
Grand Rapids	707	70	87	29.34	30.14	+.09	24.0	−1.5	41	27	30	3	23	18	27	21	18	81	1.41	−0.6	12	4,739	e.	29	e.	4	3	10	16	7.2	9.0	1.0
Houghton	668	62	99	29.42	30.18	+.13	18.4	+4.7	43	26	26	−15	23	11	35				0.61	−1.2	11	7,049	w.	39	nw.	9	4	8	17	7.7	7.1	12.6
Lansing	878	11	62	29.13	30.11		22.1	+0.5	43	1	30	−8	24	14	36	19	17	86	2.13	0.0	12	4,340	ne.	21	nw.	10	8	8	13	6.4	15.6	0.5
Ludington	637	60	66	29.41	30.14		22.2		36	1	29	−5	24	16	30	21	18	85	2.46		10	7,202	e.	35	sw.	9	7	5	17	6.6	24.2	2.4
Marquette	734	77	111	29.36	30.20	+.15	21.0	+5.1	52	26	27	4	23	15	35	19	16	84	2.18	+0.4	18	7,189	nw.	27	nw.	21	4	4	21	8.0	21.8	15.5
Port Huron	638	70	120	29.38	30.10	+.05	21.8	−0.9	40	27	28	−3	24	15	28	21	19	86	1.62	−0.6	12	7,611	nw.	36	nw.	10	5	15	9	6.2	20.5	4.0
Saginaw	641	69	77	29.40	30.13		20.4		37	1	28	−9	24	13	28	19	16	86	2.17	0.0	11	5,879	nw.	31	ne.	5	7	6	16	6.8	17.7	7.9
Sault Sainte Marie	614	11	52	29.60	30.18	+.15	12.2	−0.4	38	27	21	−17	23	3	40	10	8	86	1.02	−0.4	10	5,418	se.	34	nw.	10	6	10	13	6.6	10.6	20.0
Chicago	823	140	310	29.22	30.14	+.06	28.8	+1.4	44	27	33	10	22	24	18	26	22	74	1.68	−0.6	7	8,685	nw.	45	ne.	4	6	4	19	7.2	7.9	T.
Green Bay	617	109	144	29.45	30.15	+.09	20.0	+2.8	37	14	27	−3	23	13	39	18	16	86	1.55	−0.1	8	8,378	n.	48	n.	4	6	3	20	7.2	16.2	9.0
Milwaukee	681	125	139	29.37	30.14	+.08	26.1	+3.3	41	26	31	7	22	21	19	24	21	84	2.52	+0.6	13	8,066	w.	37	e.	18	7	4	18	6.9	27.4	2.0
Duluth	1,133	11	47	28.93	30.21	+.13	17.7	+6.3	43	26	25	−9	5	10	31	15	13	88	0.60	−0.4	8	9,859	ne.	40	nw.	14	10	8	11	5.2	7.9	3.7
North Dakota							**20.6**	**+12.9**										**79**	**0.34**	**−0.2**										**5.8**		
Moorhead	940	50	58	29.17	30.24	+.12	17.8	+9.7	50	26	28	−17	21	8	36	15	11	77	0.35	−0.4	5	6,011	s.	29	nw.	9	16	2	11	4.6	3.2	0.0
Bismarck	1,674	8	57	28.38	30.25	+.13	24.5	+14.2	63	12	35	−12	21	14	41	20	16	75	0.28	−0.2	3	5,930	nw.	29	nw.	9	10	7	12	5.5	2.6	T
Devils Lake	1,478	11	44	28.57	30.23	+.12	16.4	+11.9	46	1	27	−19	23	6	41	14	11	85	0.39	−0.2	3	6,585	se.	28	n.	3	13	6	10	4.9	7.0	0.5
Ellendale	1,457	10	56	28.60	30.23		21.2		54	28	34	−13	21	9	42				0.38		5	9,477	nw.	52	n.	3	10	6	13	5.9	3.0	0.0
Grand Forks	835	12	89				15.2		44	13	26	−20	23	4	42				0.33		5		se.	34	nw.	9	16	4	9		4.2	0.7
Williston	1,878	41	48	28.12	30.18	+.07	23.8	+15.7	58	12	32	−13	20	15	32	21	18	78	0.34	−0.2	7	5,591	se.	30	w.	12	4	3	22	8.1	3.6	0.0
Upper Mississippi Valley							**28.0**	**+2.9**										**80**	**1.23**	**−0.6**										**5.8**		
Minneapolis	918	102	208	29.16	30.19		21.6		44	27	29	0	21	14	26				0.63	−0.1	8	8,154	nw.	40	n.	4	7	10	12	6.1	5.5	T.
St. Paul	837	236	261	29.25	30.19	+.10	21.2	+5.4	44	27	29	−2	22	14	27				0.58	−0.3	10	8,280	nw.	44	nw.	9	9	9	11	5.8	6.0	T.
La Crosse	714	11	48	29.36	30.17	+.09	23.2	+4.0	46	27	31	−7	22	15	36				0.93	−0.2	9	3,916	nw.	22	w.	9	7	8	14	6.2	10.6	T.
Madison	974	70	78	29.07	30.18	+.11	23.2	+4.1	40	26	29	2	22	17	23	21	18	82	1.06	−0.5	11	7,453	nw.	43	ne.	4	7	5	17	7.0	10.3	0.4
Wausau	1,247	4		28.78	30.19		18.2		42	27	26	−7	24	10	33				1.00		8		nw.				9	4	16	6.4	10.5	5.4
Charles City	1,015	10	49	29.06	30.19	+.09	22.4	+7.3	47	2	31	−8	22	14	40	20	18	87	1.14	+0.1	6	5,025	nw.	26	ne.	4	11	7	11	5.2	12.8	T.
Davenport	606	71	79	29.46	30.16	+.06	27.2	+2.3	54	2	34	5	22	20	24	25	23	86	1.46	−0.2	8	6,180	nw.	40	ne.	4	8	7	14	6.2	11.7	T.
Des Moines	861	84	97	29.22	30.16	+.05	27.2	+3.5	65	2	36	−4	25	19	36	25	22	83	1.98	+0.9	9	5,458	nw.	28	n.	4	12	4	13	5.2	19.3	0.5
Dubuque	700	81	96	29.40	30.19	+.10	25.7	+3.5	47	27	32	−2	22	19	32	23	19	78	0.74	−0.7	9	5,025	nw.	27	ne.	4	6	5	18	7.3	8.6	0.1
Keokuk	614	64	78	29.46	30.16	+.05	29.8	+1.5	62	3	37	2	7	22	27	26	21	73	0.93	−0.8	7	5,770	n.	27	nw.	9	14	2	13	4.9	12.0	0.0
Cairo	358	87	93	29.73	30.13	+.01	37.8	−0.7	69	3	45	15	6	30	29	33	27	69	1.47	−2.0	9	7,609	n.	37	n.	26	7	10	12	6.3	2.4	0.0
Peoria	609	11	45	29.46	30.15	+.05	28.0	+2.1	58	3	35	6	22	21	28	26	24	88	1.64	−1.1	11	5,284	ne.	28	ne.	4	14	3	12	5.2	5.9	0.0
Springfield, Ill	636	10	91	29.41	30.12	+.02	31.0	+1.5	61	29	38	10	7	24	26	28	25	84	1.96	−0.9	10	6,138	w.	34	w.	9	13	4	12	5.2	7.3	T.
Hannibal	534	74	109	29.54	30.14	+.03	31.8	+2.1	64	3	39	3	8	24	29				1.35	−0.3	9	6,891	nw.	28	n.	4	14	4	11	5.0	8.6	0.0
St. Louis	568	265	303	29.50	30.13	+.02	35.6	+1.1	66	3	43	13	6	28	30	31	26	72	1.29	−1.6	8	9,143	nw.	35	nw.	20	14	5	10	5.0	2.3	0.0
Missouri Valley							**30.5**	**+4.7**										**76**	**1.09**	**0.0**										**4.8**		
Columbia, Mo	784	11	84	29.27	30.13	+.02	32.7	+1.0	67	2	41	1	8	24	33				1.95	−0.3	9	6,480	w.	31	sw.	29	14	1	14	5.1	10.3	0.0
Kansas City	963	161	181	29.08	30.15	+.04	34.6	+3.4	69	2	43	3	6	26	28	30	25	72	1.16	−0.5	8	9,011	n.	48	n.	4	15	3	11	4.7	10.6	0.0
St. Joseph	967	11	49	29.07	30.14		32.5		71	2	41	2	6	24	32	28	24	78	1.70		8	6,553	nw.	35	nw.	4	15	4	10	4.5	11.4	0.0
Springfield, Mo	1,324	98	104	28.69	30.14	+.03	36.4	+1.2	70	14	45	0	6	28	31	32	28	78	1.23	−1.2	8	7,519	nw.	34	w.	29	14	4	11	4.8	4.6	0.0
Iola	984	11	50	29.07	30.15	+.05	36.0	+4.0	70	14	46	3	6	26	37				1.18	0.0	7	5,191	n.	27	n.	4	15	5	9	4.8	7.3	0.0
Topeka	987	92	107				34.6	+3.6	72	2	44	2	6	25	34				0.94	−0.5	6	7,737	n.	45	n.	4	15	7	7	4.0	6.1	0.0
Drexel	1,299	10	54	28.72	30.16		27.8		63	13	38	−3	5	18	35				0.99		6	8,547	nw.	38	ne.	3	9	11	9	5.4	9.7	T.
Lincoln	1,189	11	84	28.86	30.18	+.08	30.6	+4.5	65	2	41	0	6	20	35	27	23	78	0.99	+0.2	9	7,676	n.	40	n.	3	10	8	11	5.7	7.1	0.0
Omaha	1,105	115	122	28.95	30.18	+.07	29.8	+4.3	62	2	38	−2	5	21	32	26	22	75	0.98	+0.2	8	6,779	nw.	44	n.	4	14	5	10	4.6	9.6	T.
Valentine	2,598	47	54	27.38	30.20	+.11	29.2	+7.8	62	12	40	−8	5	18	44	25	20	75	0.91	+0.3	7	6,732	w.	38	n.	3	13	7	9	4.6	7.3	T.
Sioux City	1,135	94	164	28.94	30.20	+.08	26.6	+5.6	59	2	35	−5	5	18	32	23	19	76	1.01	+0.4	7	7,631	nw.	44	nw.	9	13	8	8	4.9	9.7	T.
Huron	1,306	59	74	28.78	30.24	+.12	23.0	+8.7	56	2	33	−14	21	13	35	20	15	75	0.58	+0.1	8	6,678	se.	40	nw.	3	14	8	7	4.2	7.5	T.
Pierre	1,572	70	75	28.49	30.23	+.12	26.4	+7.8	62	1	37	−10	6	16	38	23	19	78	0.89	+0.4	5	5,647	nw.	39	n.	3	11	11	7	4.5	9.2	0.0
Yankton	1,233	49	57	28.83	30.21	+.09	25.9	+4.9	66	2	35	−9	5	17	41				1.22	+0.6	7	5,752	nw.	31	n.	3	11	7	11	5.5	13.4	T

TABLE 1.—*Climatological data for Weather Bureau stations, February, 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 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							**30.3**	**+8.6**										**72**	**0.64**	**−0.2**										**5.9**		
Billings	3,140	5					35.9		65	12	48	−16	20	24	48				0.29		4						14	6	9		4.5	0.0
Havre	2,505	11	44	27.44	30.16	+.09	29.4	+15.8	63	12	39	−14	20	20	32	26	23	79	0.43	−0.1	6	5,597	sw.	46	sw.	12	6	10	13	6.2	4.3	0.0
Helena	4,110	87	112	25.89	30.19	+.09	34.1	+11.1	61	12	43	−7	20	25	31	29	22	63	0.45	−0.3	5	5,887	sw.	54	sw.	12	6	7	16	6.8	7.3	0.0
Kalispell	2,973	48	56	27.04	30.18	+.10	33.0	+9.7	54	12	40	11	10	26	23	30	27	78	0.51	−1.0	11	2,696	nw.	25	sw.	28	6	5	18	6.9	2.1	0.0
Miles City	2,371	48	55	27.61	30.25	+.16	30.0	+13.2	57	12	38	3	19	22	34	27	23	78	0.91	+0.3	8	3,795	nw.	27	nw.	8	10	5	14	6.1	6.7	0.0
Rapid City	3,259	50	58	26.70	30.24	+.16	30.0	+7.6	65	1	40	−2	20	20	40	25	19	66	0.96	+0.5	7	5,837	w.	44	nw.	29	9	10	10	5.5	9.5	0.0
Cheyenne	6,088	84	101	24.03	30.17	+.14	31.6	+4.3	64	14	42	−1	20	21	36	26	20	67	1.14	+0.6	7	10,336	w.	48	n.	3	6	12	11	5.9	14.3	T.
Lander	5,372	60	68	24.73	30.27	+.19	25.8	+3.3	49	28	36	−2	20	16	33	21	15	68	0.21	−0.5	3	2,304	sw.	36	w.	28	9	13	7	5.1	2.1	T.
Sheridan	3,790	10	47	26.20	30.24		28.1		54	13	39	−15	20	17	42	25	21	77	1.09		9	3,503	nw.	36	nw.	28	10	7	12	5.9	5.4	T.
Yellowstone Park	6,200	11	48	23.96	30.27	+.17	26.2	+6.6	51	14	36	−4	20	16	34	23	18	71	0.77	−1.1	14	4,979	s.	31	s.	1	7	14	8	5.7	7.1	7.0
North Platte	2,821	11	51	27.19	30.22	+.15	32.4	+5.8	68	2	44	−1	5	21	40	26	21	71	0.36	−0.1	5	5,502	n.	42	n.	3	15	2	12	4.8	2.7	0.0
Middle Slope							**37.4**	**+3.7**										**65**	**0.41**	**−0.4**										**4.9**		
Denver	5,292	106	113	24.78	30.16	+.15	37.6	+4.9	71	14	48	6	21	27	43	30	22	60	0.27	−0.2	3	5,843	s.	48	nw.	3	13	11	5	4.3	4.6	0.0
Pueblo	4,685	80	86	25.34	30.12	+.12	38.8	+5.9	76	14	53	13	5	25	46	30	21	55	0.12	−0.4	2	4,535	se.	52	w.	2	12	13	4	4.4	1.2	0.0
Concordia	1,392	50	58	28.64	30.17	+.08	34.2	+4.4	69	2	44	4	6	24	36	28	22	69	0.26	−0.5	5	6,372	nw.	32	nw.	4	12	6	11	5.1	1.0	0.0
Dodge City	2,509	11	51	27.52	30.20	+.14	35.9	+2.7	77	14	48	2	21	24	39	30	24	74	0.71	0.0	6	7,109	nw.	47	nw.	4	17	2	10	4.2	8.7	0.0
Wichita	1,358	139	158	28.67	30.14	+.06	37.4	+3.0	73	2	47	8	6	28	32	32	25	67	0.58	−0.5	5	9,306	n.	42	n.	4	11	10	8	4.8	1.0	0.0
Broken Arrow	765	11	52	29.29	30.14		39.8		73	14	49	9	6	31	34				1.15		6	9,143	n.	48	nw.	4	10	6	13	6.0	3.0	0.0
Muskogee	652	4					41.8		77	14	52	10	6	31	44				1.50		8		se.				10	9	10		3.3	0.0
Oklahoma City	1,214	10	47	28.85	30.17	+.10	40.7	+1.1	76	14	50	12	5	31	33	34	27	63	0.54	−0.5	4	7,174	n.	40	nw.	4	11	4	14	5.8	0.7	0.0
Southern Slope							**45.7**	**+0.6**										**62**	**1.07**	**+0.2**										**4.8**		
Abilene	1,738	10	52	28.31	30.16	+.11	45.5	+0.7	79	2	56	22	5	35	38	38	30	64	1.51	+0.4	6	6,599	n.	46	nw.	3	8	7	14	6.3	5.0	0.0
Amarillo	3,676	10	49	26.36	30.17	+.15	40.6	+3.4	74	13	52	21	5	29	40	34	29	73	0.56	−0.4	4	7,298	n.	50	nw.	3	16	7	6	4.4	2.7	0.0
Del Rio	944	64	71	29.12	30.13	+.13	53.4	−2.6	80	3	64	29	27	43	36				1.45	+0.5	7	6,236	se.	46	n.	3	16	2	11	4.7	3.2	0.0
Roswell	3,566	75	85	26.44	30.11	+.13	43.2	+0.7	76	2	58	18	5	29	48	34	21	50	0.76	+0.2	4	5,308	s.	44	nw.	3	17	7	5	3.7	5.0	0.0
Southern Plateau							**48.7**	**+3.9**										**42**	**0.08**	**−0.6**										**2.1**		
El Paso	3,762	110	133	26.25	30.06	+.11	48.9	0.0	73	8	62	26	5	36	37	38	22	41	0.13	−0.3	2	6,374	nw.	40	e.	24	21	5	3	2.5	T.	0.0
Santa Fe	7,013	38	53	23.25	30.09	+.11	35.4	+2.3	60	13	47	13	4	24	36	28	18	53	0.24	−0.6	5	4,882	n.	30	n.	3	15	9	5	3.6	1.8	0.0
Flagstaff	6,907	10	59	23.39	30.05	+.14	36.9	+6.1	60	19	51	14	4	22	38	29		56	0.08		2		w.	56	ne.	24	23	6	0		0.8	0.0
Phoenix	1,108	11	81	28.88	30.05	+.06	58.8	+3.7	82	13	75	32	4	43	39	45	30	39	T.	−0.7	0	3,377	e.	21	n.	13	23	6	0	1.3	0.0	0.0
Yuma	141	9	54	29.90	30.05	+.05	61.7	+3.1	85	19	78	40	2	46	42	47	29	33	0.00	−0.6	0	3,941	n.	30	nw.	24	26	3	0	0.8	0.0	0.0
Independence	3,957	5	25	26.11	30.18	+.12	50.4	+8.2	75	13	66	27	12	35	45	37	16	29	0.03	−0.8	1	5,663	nw.	46	n.	23	20	8	1	2.2	0.0	0.0
Middle Plateau							**39.6**	**+6.8**										**57**	**0.41**	**−0.7**										**4.8**		
Reno	4,532	74	81	25.60	30.20	+.12	43.5	+7.9	70	13	58	22	22	29	42	36	26	55	0.52	−0.8	4	3,274	w.	39	w.	25	11	10	8	4.8	0.1	0.0
Tonopah	6,090	12	20				41.6		64	13	50	22	3	33	26	32	19	43	0.12		1		w.								0.0	0.0
Winnemucca	4,344	18	56	25.77	30.23	+.14	39.9	+6.4	65	14	53	18	22	27	37	34	26	65	0.57	−0.4	7	3,909	sw.	34	nw.	1	8	10	11	5.8	0.2	0.0
Modena	5,479	10	43	24.72	30.15	+.11	37.3	+6.3	63	20	53	14	12	22	44	29	16	48	0.09	−1.2	3	6,355	w.	38	n.	21	17	8	4	3.4	0.2	0.0
Salt Lake City	4,360	163	203	25.76	30.22	+.14	39.2	+5.4	61	15	47	23	1	32	24	34	28	69	0.78	−0.7	5	3,618	nw.	28	nw.	21	10	8	11	5.6	6.6	0.0
Grand Junction	4,602	60	68	25.51	30.16	+.12	38.3	+5.4	60	13	50	18	1	27	32	31	23	62	0.09	−0.6	3	3,033	se.	22	nw.	2	10	11	8	4.4	T	0.0
Northern Plateau							**41.3**	**+8.5**										**70**	**1.33**	**−0.1**										**6.7**		
Baker	3,471	48	53	26.60	30.25	+.13	37.4	+9.5	52	14	45	21	10	30	23	34	29	72	1.25	−0.1	14	3,883	se.	19	se.	11	4	12	13	6.7	1.4	0.0
Boise	2,739	78	86	27.34	30.25	+.13	42.0	+7.2	61	14	51	29	3	33	29	37	30	64	1.13	−0.3	13	3,349	se.	31	w.	1	9	9	11	5.7	T.	0.0
Lewiston	757	40	48	29.39	30.21	+.10	45.0	+8.0	65	12	54	27	10	36	27				1.83	+0.4	12	2,669	e.	24	w.	25	3	9	17	7.5	0.0	0.0
Pocatello	4,477	60	68	25.61	30.23	+.13	36.5	+7.6	57	14	44	18	3	29	29	32	26	70	0.24	−0.6	5	6,025	se.	38	sw.	2	7	10	12	6.2	1.5	0.0
Spokane	1,929	101	110	28.11	30.20	+.11	40.7	+9.4	58	12	48	26	9	34	23	37	33	73	1.57	−0.4	12	4,273	sw.	27	sw.	12	3	11	15	7.2	1.3	0.0
Walla Walla	991	57	65	29.11	30.20	+.09	46.4	+9.3	66	11	54	29	9	39	24	42	37	70	1.96	+0.3	16	3,532	s.	27	w.	28	5	12	12	6.8	0.0	0.0
North Pacific Coast Region							**46.9**	**+5.0**										**85**	**6.27**	**+0.9**										**8.0**		
North Head	211	11	56	29.91	30.15	+.09	47.3	+4.3	60	19	51	39	8	44	19	45	43	87	8.30	+2.3	24	13,025	s.	74	s.	16	5	7	17	7.3	0.0	0.0
Port Angeles	29	8	53		30.12		43.6		57	27	49	32	8	38	17				4.25	+1.1	18	3,713	s.	31	nw.	27	0	7	22		0.0	0.0
Seattle	125	215	250	30.04	30.17	+.11	46.0	+4.9	57	27	51	30	9	41	19	43	40	81	5.66	+1.8	20	6,839	s.	37	sw.	27	0	6	23	8.1	0.0	0.0
Tacoma	213	113	120	29.94	30.15	+.09	46.1	+5.6	60	11	52	29	9	41	21				5.39	+0.1	20	4,402	s.	37	sw.	27	0	8	21	8.3	0.0	0.0
Tatoosh Island	86	9	57	29.99	30.09	+.09	45.7	+4.8	55	19	49	35	15	43	10	45	43	92	13.21	+4.2	28	14,170	e.	68	s.	4	2	7	20	8.3	0.0	0.0
Yakima	1,071	5					41.5		63	11	53	21	10	30	36				0.57		8		nw.				5	11	13	6.4	T.	0.0
Medford	1,425	4					44.4		64	12	54	28	10	35	33				2.23		11		se.				3	4	22		0.0	0.0
Portland, Oreg.	153	68	106	30.03	30.19	+.11	48.0	+5.9	64	11	54	32	16	42	20	46	43	83	5.21	−0.4	19	3,905	se.	24	sw.	1	0	5	24	8.9	0.0	0.0
Roseburg	510	9	57	29.67	30.23	+.13	48.1	+4.7	69	11	56	34	16	40	27	45	42	80	1.89	−2.8	19	1,547	s.	24	sw.	1	0	15	14	7.0	0.0	0.0
Middle Pacific Coast Region							**54.1**	**+4.3**										**75**	**2.25**	**−1.9**										**5.3**		
Eureka	62	73	89	30.18	30.25	+.14	50.3	+3.1	61	6	56	37	10	44	20	48	46	89	3.19	−4.1	13	3,075	se.	30	sw.	1	2	5	22	8.1	0.0	0.0
Point Reyes	490	7	18	29.64	30.15		52.6	+3.4	72	13	57	45	14	48	23				4.10		4	13,571	nw.	58	nw.	27	9	10	10	5.3	0.0	0.0
Red Bluff	332	50	56	29.82	30.19	+.08	55.0	+5.6	76	28	65	35	2	45	31	48	40	62	2.14	−1.6	5	3,589	nw.	23	se.	7	16	7	6	4.3	0.0	0.0
Sacramento	69	106	117	30.11	30.18	+.09	55.2	+5.1	73	28	64	39	3	46	26	51	45	72	2.00	−1.2	4	4,367	nw.	28	nw.	23	14	10	5	3.9	0.0	0.0
San Francisco	155	208	243	30.02	30.19	+.09	57.0	+4.8	73	28	64	46	3	50	22	51	47	76	3.30	−0.5	6	4,356	w.	23	w.	9	12	8	9	5.0	0.0	0.0
San Jose	141	12	110	30.04	30.19		54.4	+3.8	77	29	66	35	10	42	36				0.62	−2.0	4	3,479	nw.	23	nw.	26	11	9	9	5.0	0.0	0.0
South Pacific Coast Region							**59.4**	**+5.6**										**61**	**0.20**	**−2.4**										**3.0**		
Fresno	327	89	98	29.81	30.18	+.10	56.4	+5.3	79	14	68	36	3	45	32	49	42	64	0.31	−1.1	2	3,782	nw.	29	nw.	23	18	7	4	3.1	0.0	0.0
Los Angeles	338	159	191	29.73	30.10	+.04	62.6	+7.1	89	13	73	46	21	52	29	51	42	57	0.03	−3.0	1	3,603	sw.	24	n.	23	18	11	0	2.8	0.0	0.0
San Diego	87	62	70	30.00	30.09	+.03	59.0	+3.9	82	13	68	43	1	50	29	51	45	66	T.	−2.0	0	3,731	nw.	29	s.	14	16	11	2	3.0	0.0	0.0
San Luis Obispo	201	32	40	29.94	30.16	+.05	59.4	+6.3	87	13	71	38	25	48	38	49	40	56	0.44	−3.3	2	3,266	n.	22	ne.	17	18	7	4	3.2	0.0	0.0
West Indies																																
San Juan, P. R.	82	9	54	29.96	30.05		74.2	−0.7	83	28	79	65	9	70	15				4.73	+2.1	22	9,342	e.	42	e.	17	8	12	9	5.9	0.0	0.0
Panama Canal																																
Balboa Heights	118	7	97	29.76	29.89	.00	80.0	−0.3	92	6	88	64	5	71	23	71	69	82	0.05	−0.8	2	7,494	nw.	32	n.	21	8	19	2	4.5	0.0	0.0
Colon	36	7	97	29.87	29.91	.00	80.1	+0.1	86	21	85	69	4	76	16	74	72	80	2.80	+1.2	17	10,835	n.	31	n.	14	9	14	6	5.3	0.0	0.0
Alaska																																
Juneau	80	11	54				32.8		45	23	36	11	15	29	12	30	26	78	7.20		24	7,406	se.	34	se.	8	3	1	25	9.0	36.4	T.

TABLE II.—*Data furnished by the Canadian Meteorological Service, February, 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	29.83	29.88	−.04	16.2	−3.1	25.9	6.6	40	−10	5.53	+1.44	37.5
Halifax, N. S	88	29.81	29.92	−.03	20.5	−1.9	29.0	11.9	45	−1	1.81	−3.35	14.7
Yarmouth, N. S	65	29.83	29.91	−.08	23.6	−2.2	29.7	17.5	40	10	1.87	−2.87	17.0
Charlottetown, P. E. I	38	29.86	29.90	−.05	14.7	−2.9	22.1	7.4	40	−8	2.15	−0.91	21.5
Chatham, N. B	28	29.84	29.88	−.08	9.5	−3.0	21.8	−2.7	41	−22	1.24	−1.92	12.4
Father Point, Que	20	29.98	30.01	+.03	5.0	−6.5	12.9	−2.9	29	−18	1.56	−0.65	15.6
Quebec, Que	296	29.73	30.07	+.08	8.3	−3.5	15.6	1.0	34	−8	2.59	−0.68	25.9
Montreal, Que	187	29.86	30.09	+.07	11.4	−3.1	17.8	4.9	34	−5	2.64	−0.43	26.4
Stonecliffe, Ont	489												
Ottawa, Ont	236	29.84	30.13	+.11	11.4	−0.3	22.3	0.5	36	−11	2.57	−0.12	25.7
Kingston, Ont	285	29.77	30.11	+.07	14.5	−3.3	22.2	6.9	32	−8	1.05	−1.49	10.5
Toronto, Ont	379	29.68	30.11	+.07	20.2	−1.3	27.6	12.9	39	−2	3.26	+0.65	32.3
Cochrane, Ont	930				3.0		12.4	−6.4	39	−25	0.70		7.0
White River, Ont	1,244	28.78	30.18	+.16	3.1	+2.9	17.8	−11.5	38	−41	1.08	−0.44	10.8
Port Stanley, Ont	592	29.45	30.12	+.06	20.6	−2.2	28.9	12.4	39	−10	2.17	−1.04	16.8
Southampton, Ont	656	29.35			16.5	−3.4	24.7	8.3	34	−8	2.09	−0.81	20.9
Parry Sound, Ont	688	29.38	30.13	+.12	10.7	−3.6	20.9	0.5	33	−17	3.01	+0.09	30.1
Port Arthur, Ont	644	29.48	30.23	+.18	13.2	+6.8	21.8	4.6	42	−15	0.28	−0.62	2.8
Winnipeg, Man	760												
Minnedosa, Man	1,690	28.32	30.24	+.15	10.7	+13.4	21.1	0.3	41	−27	0.44	−0.17	4.4
Le Pas, Man	860				8.4		19.2	−2.3	43	−35	0.27		2.7
Qu'Appelle, Sask	2,115	27.81	30.15	+.07	18.6	+19.2	27.5	9.8	49	−12	0.76	+0.03	7.4
Medicine Hat, Alb	2,144												
Moose Jaw, Sask	1,759				21.1		29.5	12.8	55	−20	0.82		7.8
Swift Current, Sask	2,392	27.47	30.19	+.12	24.5	+16.5	33.9	15.2	57	−22	0.51	−0.23	5.1
Calgary, Alb	3,428												
Banff, Alb	4,521												
Edmonton, Alb	2,150												
Prince Albert, Sask	1,450	28.56	30.22	+.13	14.0	+17.0	25.2	2.7	47	−26	0.30	−0.39	3.0
Battleford, Sask	1,592	28.34	30.16	+.07	16.6	+16.5	27.3	6.0	48	−26	0.66	+0.29	6.6
Kamloops, B. C	1,262												
Victoria, B. C	230	29.86	30.12	+.12	45.1	+5.6	49.4	40.9	53	35	5.29	+1.19	0.0
Barkerville, B. C	4,180												

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Point Stanley, Ont	592	29.50	30.17	+.10	21.0	+1.2	28.4	13.6	44	−11	4.15	+1.16	15.8
Winnipeg, Man	760	29.24	30.14	+.03	−3.5	+3.3	4.8	−11.9	38	−31	0.42	−0.46	4.2
Qu'Appelle, Sask	2,115	27.70	30.11	+.03	−1.1	+2.7	8.8	−11.0	41	−34	0.76	+0.26	7.6
Swift Current, Sask	2,392	27.42	30.20	+.11	5.7	+2.6	15.2	−3.9	48	−36	0.42	−0.22	3.2
Prince Albert, Sask	1,450	28.48	30.17	+.08	−4.0	+4.4	5.6	−13.7	39	−36	0.59	−0.38	5.9
Battleford, Sask	1,592	28.28	30.15	+.07	−0.5	+5.4	9.7	−10.7	47	−40	0.42	+0.02	4.2

SEISMOLOGICAL REPORTS FOR FEBRUARY, 1924

W. J. HUMPHREYS, Professor in Charge

[Weather Bureau, Washington, April 3, 1924]

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

Day	Approximate time, Greenwich civil	Station	Approximate latitude	Approximate longitude	Intensity Rossi-Forel	Number of shocks	Duration	Sounds	Remarks	Observer
1924	*H. m.*	CALIFORNIA	° ′	° ′			*Sec.*			
Mch 9	11 40	Santa Clara	37 15	121 55	1		240	None	Felt by one	University of Santa Clara.
13	9 10	Calexico	32 41	115 30	2	2	2		Felt by several	F. C. Cihak.
		SOUTH CAROLINA								
14	16 06	Summerville	33 05	80 15		2		Loud	Felt by many	E. G. Robertson.
		WASHINGTON								
10	14 05	Seattle	47 38	122 20	2	2	10	None	do	Mrs. M. B. Summers.