of the crop had been sown in South Dakota and seeding was nearing completion in Iowa. The seeding of spring oats made satisfactory advance in the trans-Mississippi States but was considerably interrupted in much of the Ohio and central Mississippi Valleys by frequent rains. Truck crops in the South were favorably affected by the weather, but the freeze the latter part of the month caused much damage to early truck in Oklahoma, Arkansas, and central Texas, while some damage resulted in Tennessee and North Carolina, and locally in the northern portions of the East Gulf States. Pastures improved rapidly in the Central and Eastern States and no serious loss of stock was reported in the West.

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, March, 1921.

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	64.0	+ 7.7	Florence	89	15	2 stations	27	3†	4.90	−0.94	Citronelle	12.20	Evergreen	1.20
Arizona	55.6	+ 3.7	2 stations	98	2†	Chin Lee	8	9	0.38	−0.67	Seligman	1.98	7 stations	0.00
Arkansas	60.8	+ 8.3	Texarkana	92	21	2 stations	18	29	6.55	+2.10	Gravette	11.01	Mena	2.98
California	53.9	+ 2.1	Greenland Ranch	97	31	Fordyce Dam	8	19	2.86	−1.88	Branscomb	9.08	2 stations	0.00
Colorado	39.4	+ 4.9	Lamar	90	18	Dillon	−24	9	1.25	−0.10	Silver Lake	8.31	La Porte	0.02
Florida	70.8	+ 5.4	4 stations	94	8†	2 stations	33	1†	2.00	−1.16	Fort Lauderdale	9.90	Middleburg	0.00
Georgia	64.5	+ 7.7	Glennville	94	22	Blue Ridge	27	1	1.68	−3.21	Tallapoosa	3.80	Greensboro	0.25
Hawaii (February)	69.6	+ 1.3	2 stations	88	1†	Glenwood	46	25	2.57	−4.11	Kopiliula	7.38	Halaula	0.00
Idaho	39.3	+ 2.8	Glenns Ferry	89	28	Stanley	−10	20	1.59	−0.15	Wallace	6.84	Oakley	0.21
Illinois	50.0	+ 9.9	8 stations	83	15†	Mount Carroll	9	28	5.13	+2.10	Decatur	7.71	Griggsville	2.46
Indiana	50.5	+10.1	Marengo	88	7	3 stations	13	29	5.74	+2.01	Shelbyville	8.25	Hobart	3.17
Iowa	42.8	+ 9.5	3 stations	86	18†	Northwood	4	28	1.57	−0.20	Burlington	6.62	Waverly	0.17
Kansas	50.0	+ 7.3	Ellsworth	93	18	2 stations	6	9	1.41	+0.06	Lawrence	5.18	6 stations	T.
Kentucky	56.7	+10.7	2 stations	87	15†	Shelbyville	19	29	5.75	+1.09	Shelbyville	9.12	Pikeville	2.59
Louisiana	68.6	+ 7.8	do	92	21	Calhoun	28	29	5.75	+1.35	Clinton	15.36	Burrwood	0.59
Maryland-Delaware	53.7	+11.3	Hancock, Md	91	27	2 stations	14	29	2.39	−1.25	Denton, Md	3.71	Keedysville, Md	1.46
Michigan														
Minnesota	29.0	+ 3.6	Canby	84	18	Itasca State Park	−23	29	1.47	+0.30	Redwood Falls	2.69	Hinckley	0.34
Mississippi	65.5	+ 8.4	Anguilla	91	20	Holly Springs	27	29	7.99	+2.64	Magnolia	20.85	Bay St. Louis	2.18
Missouri	51.9	+ 8.5	Eldon	90	18	2 stations	11	28†	4.69	+1.68	Dean	11.23	Oregon	0.65
Montana	33.1	+ 2.7	Three Forks	79	3	Babb	−34	13	1.36	+0.41	Heron	5.81	Mildred	0.08
Nebraska	42.9	+ 7.3	Alma	90	18	Fort Robinson	0	7	0.64	−0.45	Fremont	2.38	4 stations	T.
Nevada	45.3	+ 4.0	Logandale	88	2†	Millett	9	27	0.40	−0.56	Sharp	2.00	3 stations	0.00
New England	39.7	+ 9.4	3 stations	84	21	2 stations	−10	5†	3.06	−0.64	Torrington, Conn	6.07	Houlton, Me	1.62
New Jersey	49.1	+10.3	Woodbine	92	27	Culvers Lake	9	30	3.03	−0.86	Dover	4.65	Somerville	1.80
New Mexico	47.7	+ 3.0	Artesia	89	17	Elizabethtown	−12	9	0.62	−0.16	Harveys Upper Ra'h	2.15	5 stations	0.60
New York	41.3	+ 9.8	4 stations	85	21	Wanakena	− 4	6	3.32	+0.30	North Lake	6.47	Chazy	0.69
North Carolina	58.6	+ 8.9	Winston-Salem	91	21	Highland	17	4	2.86	−1.50	Belhaven	6.21	Hatteras	1.18
North Dakota	25.2	+ 2.6	Ellendale	75	18	Fessenden	−22	12	1.00	+0.17	Fullerton	2.69	Taylor	0.04
Ohio	48.9	+10.1	Haydenville	87	27	Paulding	15	29	5.94	+2.47	Springfield	8.71	Gallipolis	2.73
Oklahoma	57.0	+ 4.7	Beaver	94	18	Hurley	9	9	3.12	+1.05	Claremore	7.59	2 stations	T.
Oregon	43.9	+ 1.8	The Dalles	80	29	Lapine	4	9	2.91	−0.21	Cascade Locks	11.55	Silver Lake	0.14
Pennsylvania	48.0	+10.8	Lancaster	88	28	West Bingham	7	4	3.33	−0.19	Corry	6.15	Creekside	1.05
Porto Rico	73.5	− 0.4	Cayey	92	18†	Caquas	52	19	4.67	+1.16	Comerio Falls	10.97	Potala	0.00
South Carolina	62.5	+ 7.5	3 stations	91	16†	2 stations	28	4	2.28	−1.58	Florence	4.42	Batesburg	0.77
South Dakota	37.0	+ 6.5	Howell	90	18	3 stations	− 7	21	1.08	+0.21	Castlewood	2.74	Oelrichs	0.02
Tennessee	59.6	+10.0	Newport	89	20†	Tazewell	22	4	5.43	+0.09	Moscow	11.36	Charleston	1.94
Texas	64.5	+ 5.6	Mission	100	21	Romero	10	9	2.80	+0.82	Pierce	9.59	Panhandle	0.00
Utah	42.4	+ 4.0	St. George	85	18	Black's Fork	−17	9	1.21	−0.33	Silver Lake	5.47	Myton	0.00
Virginia	55.9	+10.6	Quantico	92	21	Mount Weather	17	29	2.04	−1.71	Runnymede	4.16	Mount Weather	0.90
Washington	42.2	+ 0.8	Lowden	77	29	Republic	3	12	3.17	+0.30	Cedar Lake	9.40	2 stations	T.
West Virginia	52.7	+10.0	Charleston	90	20†	Marlinton	10	30	2.84	−0.87	Charleston	5.75	Union	0.63
Wisconsin	31.2	+ 5.6	Beloit	89	20	Winter	−19	9	2.33	+0.61	Stanley	6.10	Solon Springs	0.60
Wyoming	35.2	+ 4.3	Wyncote	82	18	Fox Park	−20	27	0.71	−0.34	Bow Ranger	2.40	Hyattville	0.00

* For description of tables and charts, see this REVIEW, January, 1921, p. 41.

† Other dates also.

TABLE I.—*Climatological data for Weather Bureau Stations, March, 1921.*

Districts and stations.	Elevation of instruments.			Pressure.			Temperature of the air.											Precipitation.			Wind.										
	Barometer above sea level.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max.+mean min.÷2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity.	Total.	Departure from normal.	Days with 0.01 inch or more.	Total movement.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	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.							41.4	+ 8.7										78	2.54	− 1.3										6.1		
Eastport	76	67	85	30.03	30.11	+ .18	35.4	+ 6.5	65	21	42	11	19	28	28	33	29	80	3.01	− 1.3	17	9,844	s.	40	s.	31	5	12	14	6.4	5.1	0.0
Greenville, Me.	1,070	6																														
Portland, Me.	103	82	117	30.02	30.14	+ .18	39.2	+ 7.2	79	21	47	14	5	31	33	35	29	72	2.61	− 1.1	15	7,822	s.	43	s.	25	10	6	15	6.0	T.	0.0
Concord	288	70	79	29.82	30.14	+ .14	41.1	+ 9.6	82	28	52	12	30	30	49				2.58	− 0.8	16	4,180	nw.	23	nw.	29	11	8	12	5.2	0.0	0.0
Burlington	404	11	48	29.65	30.10	+ .10	36.8	+ 9.5	71	27	46	6	4	28	42				2.64	+ 0.8	18	12,521	s.	62	s.	19	6	7	18	7.1	3.9	0.0
Northfield	876	12	60	29.15	30.13	+ .13	35.5	+ 9.3	72	28	46	3	4	25	51	33	29	78	2.59	− 0.2	18	7,504	s.	36	n.	28	5	7	19	7.3	4.2	0.0
Boston	125	115	188	30.00	30.14	+ .17	46.2	+11.2	83	21	56	20	5	37	36	41	37	76	1.92	− 2.2	15	8,396	sw.	37	sw.	31	10	11	10	5.5	T.	0.0
Nantucket	12	14	90	30.14	30.15	+ .17	43.4	+ 6.6	65	26	50	26	19	37	23	41	39	88	2.37	− 1.6	13	13,594	sw.	48	sw.	20	6	12	13	6.1	T.	0.0
Block Island	26	11	46	30.12	30.16	+ .18	42.4	+ 6.5	60	21	48	22	5	20	36	40	38	89	2.81	− 1.6	15	13,306	sw.	48	nw.	18	9	6	16	6.4	T.	0.0
Providence	160	215	251	29.97	30.15	+ .17	44.7	+ 9.0	84	21	54	19	19	35	39	40	35	75	2.50	− 2.1	13	10,330	s.	49	nw.	28	9	11	11	5.4	T.	0.0
Hartford	159	122	140	29.97	30.15	+ .16	45.2	+10.2	82	21	56	21	19	35	41	40	34	70	2.28	− 2.0	13	6,923	s.	37	s.	25	8	8	15	6.1	T.	0.0
New Haven	106	74	153	30.05	30.17	+ .18	45.1	+ 9.7	84	21	54	24	5	36	37	40	36	79	2.66	− 1.8	12	6,451	s.	39	nw.	21	9	14	8	5.3	T.	0.0
Middle Atlantic States.							50.9	+10.6										75	2.40	− 1.2										5.4		
Albany	97	102	115	30.03	30.14	+ .13	42.7	+10.6	78	21	53	18	4	32	44	39	34	75	2.80	+ 0.1	16	7,397	s.	34	s.	19	12	12	7	5.2	T.	0.0
Binghamton	871	10	84	29.17	30.12	+ .10	43.4	+11.4	82	27	54	12	4	32	47				2.79	+ 0.2	19	5,401	nw.	32	sw.	19	5	7	19	7.3	0.2	0.0
New York	314	414	454	29.81	30.16	+ .16	48.3	+10.8	80	21	57	25	29	40	44	43	37	71	2.21	− 1.9	10	14,952	s.	76	nw.	28	8	15	8	5.5	T.	0.0
Harrisburg	374	94	104	29.75	30.15	+ .12	49.6	+ 7.8	82	27	60	22	29	39	48	43	37	67	2.34	− 0.8	14	4,974	e.	27	sw.	21	9	7	15	6.0	2.0	0.0
Philadelphia	117	123	190	30.04	30.17	+ .15	52.5	+12.5	83	21	63	25	29	42	46	48	46	82	2.44	− 1.0	11	7,825	s.	36	nw.	21	8	13	10	5.7	0.1	0.0
Reading	325	81	98	29.80	30.16		50.1		84	21	62	23	29	39	53	44	38	68	2.43	− 1.1	13	4,775	se.	30	nw.	28	7	11	13	5.9	1.3	0.0
Scranton	805	111	119	29.26	30.14	+ .12	45.8	+10.9	80	27	57	19	4	35	53	41	38	76	3.17	0.0	17	5,875	sw.	34	s.	31	7	13	11	6.3	T.	0.0
Atlantic City	52	37	48	30.11	30.17	+ .15	47.8	+ 9.0	72	21	54	26	29	41	28	44	40	79	2.55	− 1.2	13	6,283	sw.	28	s.	9	10	16	5	4.7	0.0	0.0
Cape May	18	13	49	30.18	30.20	+ .19	48.3	+ 7.5	75	21	55	27	29	41	24	45	42	82	2.27	− 1.5	12	7,686	s.	36	n.	28	17	7	7	4.1	0.0	0.0
Sandy Hook	22	10	55	30.14	30.16		46.8		76	28	55	28	29	39	41	43	40	83	2.17		12	12,530	s.	56	nw.	28	8	15	8	5.5	T.	0.0
Trenton	190	159	183	29.94	30.15		50.0		83	21	61	24	29	39	47	45	41	76	2.42	− 1.6	13	9,582	s.	48	nw.	21	7	13	11	5.8	0.2	0.0
Baltimore	123	100	113	30.02	30.16	+ .13	54.6	+12.7	88	21	65	26	29	45	46	48	43	70	2.60	− 1.3	11	5,269	s.	25	sw.	20	12	11	8	5.4	0.0	0.0
Washington	112	62	85	30.03	30.15	+ .11	55.5	+13.3	89	21	67	26	29	44	48	48	41	65	2.76	− 1.1	10	5,742	s.	50	nw.	28	8	14	9	5.5	0.0	0.0
Lynchburg	681	153	188	29.41	30.16	+ .11	57.1	+11.7	88	21	69	25	30	45	42	50	46	73	1.75	− 2.1	8	6,508	sw.	35	n.	28	15	8	8	4.7	0.0	0.0
Norfolk	91	170	205	30.09	30.19	+ .16	58.1	+10.4	85	21	68	32	29	49	37	52	48	75	1.50	− 2.8	13	11,743	s.	50	n.	28	11	10	10	5.3	0.0	0.0
Richmond	144	11	52	30.02	30.18	+ .14	57.6	+10.7	87	21	69	28	29	46	41	52	49	82	2.13	− 1.6	10	7,801	s.	35	sw.	9	13	9	9	4.7	0.0	0.0
Wytheville	2,304	49	56	27.77	30.16	+ .12	51.8	+ 9.5	78	27	64	25	29	40	41	46	41	72	2.31	− 2.1	9	5,268	w.	30	w.	21	15	11	5	4.1	0.0	0.0
South Atlantic States.							63.0	+ 9.1										76	1.78	− 2.5										5.2		
Asheville	2,255	70	84	27.80	30.16	+ .10	55.9	+11.0	81	21	67	28	4	45	39	48	43	72	2.12	− 3.0	9	7,337	se.	32	nw.	28	13	6	12	4.9	0.0	0.0
Charlotte	779	55	62	29.32	30.16	+ .11	59.6	+ 8.8	85	21	70	35	30	49	30	53	48	72	1.84	− 2.7	10	4,727	sw.	20	sw.	21	12	5	14	5.6	0.0	0.0
Hatteras	11	12	50	30.18	30.19	+ .15	60.5	+ 9.1	78	27	68	37	5	54	24	57	54	83	1.18	− 4.3	9	12,092	sw.	49	n.	29	12	11	8	5.1	0.0	0.0
Manteo	12	5	42																													
Raleigh	376	103	110	29.77	30.17	+ .12	59.2	+ 8.8	86	21	70	31	30	48	32	53	48	71	3.91	− 0.4	11	6,868	sw.	36	w.	28	10	7	14	5.6	0.0	0.0
Wilmington	78	81	91	30.11	30.20	+ .15	63.0	+ 9.3	85	16	72	38	30	54	29	57	54	80	1.44	− 2.2	8	6,697	s.	27	n.	29	13	9	9	4.6	0.0	0.0
Charleston	48	11	92	30.12	30.17	+ .06	65.1	+ 7.9	86	16	73	45	30	57	29	59	57	86	2.66	− 1.1	7	7,950	s.	38	n.	29	13	8	10	5.2	0.0	0.0
Columbia, S. C.	351	41	57	29.80	30.18	+ .12	64.0	+10.0	88	16	75	38	30	53	32	56	51	72	0.97	− 2.7	8	5,654	s.	31	sw.	9	10	11	10	5.3	0.0	0.0
Due West	711	10	55	29.42	30.20		60.9		84	21	72	35	4	50	32				1.97		8	6,621	sw.	28	nw.	17	10	6	15	5.8	0.0	0.0
Greenville, S. C.	1,039	113	122	29.05	30.15		59.0		82	21	69	36	4	49	30	53	49	74	2.42		8	6,862	sw.	33	nw.	3	12	6	13	5.5	0.0	0.0
Augusta	180	62	77	29.96	30.16	+ .10	65.5	+ 9.6	88	16	77	38	5	54	36	57	52	71	1.40	− 3.4	8	4,228	s.	24	w.	9	9	12	10	5.6	0.0	0.0
Savannah	65	150	194	30.10	30.17	+ .11	67.0	+ 8.7	87	22	76	46	4	58	27	59	56	80	1.74	− 1.9	7	9,010	s.	42	nw.	16	13	7	11	5.3	0.0	0.0
Jacksonville	43	209	245	30.11	30.16	+ .10	70.0	+ 8.1	87	16	78	50	4	62	22	62	59	80	0.57	− 3.0	2	8,744	se.	42	nw.	16	18	7	6	3.7	0.0	0.0
Florida Peninsula.							74.3	+ 3.9										74	2.25	− 0.1										3.1		
Key West	22	10	64	30.08	30.10	+ .05	76.4	+ 3.6	84	12	81	67	1	71	14	68	65	73	0.54	− 0.9	8	7,842	e.	27	e.	20	23	6	2	2.7	0.0	0.0
Miami	25	71	79	30.11	30.14		73.8	+ 1.8	83	17	79	56	4	69	20	67	64	73	5.15	+ 2.4	9	7,252	e.	26	e.	19	19	9	3	3.3	0.0	0.0
Sand Key	23	39	72	30.06	30.08	+ .03	74.7		82	17	77	68	1	73	8	69	66	73	0.47		9	11,037	e.	36	e.	21	20	9	2	2.9	0.0	0.0
Tampa	35	79	92	30.11	30.15	+ .08	72.6	+ 6.3	88	19	82	46	1	63	29	64	61	77	1.06	− 1.8	5	4,578	ne	22	e.	11	18	10	3	3.5	0.0	0.0
East Gulf States.							65.6	+ 8.6										77	4.97	− 0.8										5.0		
Atlanta	1,174	190	216	28.92	30.16	+ .10	61.1	+ 8.7	81	18	71	34	4	51	35	54	49	71	1.64	− 4.1	9	8,656	s.	52	w.	17	10	8	13	5.5	0.0	0.0
Leesburg	279	10	55																													
Macon	370	78	87	29.76	30.16	+ .10	64.6	+ 9.8	87	22	77	35	1	53	38	56	51	69	0.86	− 4.6	7	4,579	s.	26	sw.	9	13	7	11	5.1	0.0	0.0
Thomasville	273	49	58	29.85	30.14	+ .08	68.2	+ 8.0	87	19	79	42	1	57	33	59	56	75	3.30	− 1.8	8	3,338	sw.	25	sw.	9	9	11	11	5.5	0.0	0.0
Pensacola	56	149	185	30.08	30.14	+ .08	65.8	+ 6.7	78	3	71	46	29	61	25	63	61	88	6.21	+ 0.8	6	9,538	s.	40	nw.	14	8	10	13	5.9	0.0	0.0
Anniston	741	9	57	29.36	30.15	+ .09	62.6	+10.1	84	20	74	31	1	52	38				3.75	− 2.0	12	4,666	s.	24	se.	12	11	13	7	4.9	0.0	0.0
Birmingham	700	11	48	29.38	30.15	+ .09	64.0	+ 8.8	84	18	75	32	29	53	34	56	51	72	4.88	− 0.9	10	6,074	s.	45	se.	12	8	14	9	5.4	0.0	0.0
Mobile	57	125	161	30.06	30.12	+ .06	66.8	+ 7.7	84	17	74	43	29	60	28	62	60	85	6.71	− 0.5	8	7,760	se.	40	nw.	14	4	18	9	6.1	0.0	0.0
Montgomery	223	100	112	29.90	30.15	+ .09	65.6	+ 7.7	85	20	76	39	29	55	33	59	54	75	5.75	− 0.6	11	5,087	s.	44	n.	16	13	9	9	5.2	0.0	0.0
Corinth	469	6																														
Meridian	375	85	93	29.71	30.11	+ .06	66.0	− 9.7	85	20	77	35	29	55	35	58	54	74	6.53	+ 0.9	9	4,694	s.	33	se.	11	8	17	6	5.3	0.0	0.0
Vicksburg	247	65	73	29.83	30.11	+ .07	66.6	+ 8.4	85	27	76	34	29	57	32	60	57	80	9.49	+ 3.2	12	5,739	s.	34	nw.	11	5	10	16	6.6	0.0	0.0
New Orleans	53	76	84	30.05	30.11	+ .11	70.6	+ 8.6	85	17	79	47	29	62	28	64	61	82	5.59	+ 0.3	8	5,467	s.	36	nw.	31	2	19	10	6.3	0.0	0.0
West Gulf States.							64.7	+ 7.4										78	4.43	+ 1.3										6.2		
Shreveport	249	77	93	29.79	30.06	+ .04	65.7	+ 7.5	85	21	75	34	29	57	26	59	55	74	3.87	− 0.6	11	6,528	se.	37	w.	11	8	14	9	5.3	0.0	0.0
Bentonville	1,303	11	44	28.84	30.01	.00	56.0	+ 8.7	85	18	67	24	28	45	38				9.50	+ 5.7	15	6,332	s.	30	s.	26	10	7	14	6.0	0.0	0.0
Fort Smith	457	79	94	29.53	30.01	.00	60.8	+ 9.5	87	17	71	30	29	51	34	54	49	72	3.81	+ 0.2	11	7,306	e.	34	s.	5	7	8	16	6.2	0.0	0.0
Little Rock	357	136	144	29.66	30.04	+ .01	61.3	+ 8.6	84	18	70	30	29	52	40	55	50	72	7.03	+ 2.1	13	6,448	s.	39	s.	7	8	12	11	5.8	0.0	0.0
Brownsville	57	4	26				74.3		92	8	83	49	28	66	29				0.88		4		se.								0.0	0.0
Corpus Christi	20	69	77	29.98	30.00	+ .02	70.4	+ 6.0	81	27	76	46	28	65	29	66	64	86	2.25	+ 0.4	8	11,435	se.	44	n.	28	2	15	14	7.3	0.0	0.0
Dallas	512	109	117	29.46	30.01		63.6		86	16	73	32	29	54	38				2.75		7	8,313	s.	42	s.	19	6	14	11	6.0	0.0	0.0
Fort Worth	670	106	114	29.28	29.99	+ .01	63.4	+ 8.7	87	17	73	34	29	54	33	56	52	73	2.67	+ 0.9	7	9,115	s.	36	s.	20	8	9	14	6.1	0.0	0.0
Galveston	54	106	114	30.00	30.06	+ .05	68.0	+ 8.6	77	27	72	44	29	64	27	65	64	90	3.59	+ 0.7	7	9,403	se.	34	nw.	28	6	11	14	5.9	0.0	0.0
Groesbeck	461	11	56	29.53	30.01		64.8		83	27	74	34	29	53	41				2.64		7	10,567	s.	48	s.	26	3	14	14	6.9	0.0	0.0
Houston	138	111	121	29.89	30.04		68.7	+ 6.2	84	17	76	40	29	61	24				3.04		7	7,934	se.	38	se.	26	7	17	7	5.2	0.0	0.0
Palestine	510	64	72	29.50	30.04	+ .04	67.0	+ 6.5	84	24	74	36	29	56	40	59	55	76	3.55	+ 0.1	10	6,968	s.	35	w.	13	3	14	14	6.6	0.0	0.0
Port Arthur	34	58	66	30.01	30.05		68.7		81	22	74	40	29	63	27	64	63	87	2.42		6	9,298	s.	48	w.	31	4	17	10	6.4	0.0	0.0
San Antonio	701	119	132	29.27	30.00	+ .02	67.0	+ 4.9	86	25	76	41	29	58	33	60	56	76	5.91	+ 4.3	10	6,974	se.	37	n.	27	9	10	12	5.7	0.0	0.0
Taylor	582	55	63	29.43	30.04	+ .05	65.6	+ 5.9	85	25	75	35	29	57	38				2.13	− 0.5	10	8,216	s.	36	s.	19	4	8	19	7.4	0.0	0.0

TABLE I.—*Climatological data for Weather Bureau Stations, March, 1921*—Continued.

Districts and stations.	Elevation of instruments.			Pressure.			Temperature of the air.									Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity.	Precipitation.			Wind.					Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow, sleet, and ice on ground at end of month.
	Barometer above sea level.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max.+mean min.÷2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.				Total.	Departure from normal.	Days with 0.01 inch or more.	Total movement.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.						
	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.							**54.5**	**+ 1.1**										**70**	**5.44**	**+ 1.0**										**6.2**		
Chattanooga	762	189	213	29.33	30.15	+ .09	60.8	+ 8.5	84	21	71	32	29	51	36	53	47	67	3.33	− 2.9	11	6,954	se.	36	sw.	9	7	14	10	5.8	0.0	0.0
Knoxville	996	102	111	29.07	30.13	+ .07	58.7	+10.5	83	21	70	30	4	47	37	51	46	68	3.61	− 2.0	8	5,582	sw.	33	sw.	8	11	5	15	6.0	0.0	0.0
Memphis	399	76	97	29.69	30.12	+ .08	61.4	+ 9.3	83	20	70	30	29	53	36	54	49	69	7.41	+ 1.6	15	7,797	s.	46	sw.	27	11	12	8	5.0	0.0	0.0
Nashville	546	168	191	29.53	30.12	+ .07	59.0	+ 9.8	82	15	69	29	29	49	31	52	46	68	5.95	+ 0.5	14	8,782	s.	40	sw.	7	8	11	12	5.9	0.0	0.0
Lexington	989	193	230	29.04	30.11	+ .06	54.6	+11.2	80	20	65	23	29	44	32	.....	.....	.....	5.06	+ 0.3	15	12,775	sw.	60	sw.	15	9	7	15	6.3	0.0	0.0
Louisville	525	219	255	29.52	30.11	+ .07	55.6	+10.3	81	20	66	25	29	46	34	49	44	70	6.65	+ 2.3	14	12,074	s.	66	sw.	15	8	13	10	5.8	T.	0.0
Evansville	431	139	175	29.62	30.09	+ .05	55.6	+11.0	80	26	65	25	29	46	32	48	43	67	4.52	− 0.1	17	11,171	sw.	45	w.	24	6	19	6	5.6	T.	0.0
Indianapolis	822	194	230	29.17	30.07	+ .03	49.9	+10.3	78	19	61	19	29	39	36	44	39	70	7.25	+ 3.2	14	10,814	s.	46	sw.	26	3	15	13	7.1	0.1	0.0
Royal Center	736	11	55	29.25	30.06	.....	46.1	.....	77	19	58	17	29	35	32	.....	.....	.....	4.51	.....	16	9,885	s.	43	w.	24	4	5	22	7.6	T.	0.0
Terre Haute	575	96	129	29.41	30.04	.....	51.4	.....	80	19	62	22	29	40	31	46	41	74	6.47	.....	16	9,664	s.	40	sw.	19	2	18	11	6.7	0.0	0.0
Cincinnati	628	11	51	29.41	30.10	+ .05	52.4	+11.6	80	20	63	22	29	42	32	.....	.....	.....	6.60	+ 3.0	15	7,276	sw.	48	nw.	27	2	17	12	6.7	T.	0.0
Columbus	824	179	222	29.22	30.11	+ .07	49.8	+10.6	78	27	60	22	29	40	32	45	41	77	7.66	+ 4.4	17	9,739	sw.	48	sw.	8	6	13	12	6.5	T.	0.0
Dayton	899	181	216	29.09	30.06	.....	50.4	+10.0	79	20	60	22	29	40	33	45	40	73	7.41	+ 4.0	16	9,360	sw.	42	sw.	8	4	17	10	6.4	0.7	0.0
Elkins	1,947	59	67	28.07	30.14	+ .09	51.0	+11.9	84	27	65	19	29	37	51	44	39	71	2.92	− 1.2	16	4,779	s.	34	nw.	21	7	10	14	6.3	T.	T.
Parkersburg	638	77	84	29.47	30.13	+ .08	53.3	+11.0	83	27	65	26	29	42	39	46	40	66	4.49	+ 0.7	14	4,983	se.	30	nw.	16	9	12	10	5.7	T.	0.0
Pittsburgh	842	353	410	29.20	30.12	+ .08	50.7	+11.2	80	27	61	19	4	40	37	44	38	66	3.36	+ 0.4	15	9,242	sw.	36	sw.	8	5	5	21	7.2	1.4	1.4
Lower Lake Region.							**43.0**	**+ 1.0**										**75**	**3.71**	**+ 1.1**										**7.3**		
Buffalo	767	247	280	29.23	30.08	+ .06	41.6	+10.4	70	19	51	12	4	32	40	37	33	77	3.40	+ 0.8	20	13,853	sw.	64	sw.	21	5	5	21	7.4	0.7	0.0
Canton	448	10	61	29.57	30.06	.....	37.3	+ 9.6	78	27	47	2	4	28	36	.....	.....	.....	3.32	+ 0.5	19	9,940	sw.	60	sw.	19	10	15	16	6.2	3.8	0.0
Oswego	335	76	91	29.72	30.10	+ .09	40.6	+ 9.2	81	27	50	9	4	31	37	36	33	77	3.12	+ 0.3	14	9,355	s.	32	ne.	17	5	6	20	7.3	1.6	0.0
Rochester	523	86	102	29.52	30.11	+ .09	42.8	+11.5	80	27	53	12	4	33	39	37	32	69	3.61	+ 0.7	19	7,098	sw.	37	w.	21	4	5	22	7.8	1.4	0.0
Syracuse	597	97	113	29.46	30.11	+ .09	42.0	+10.6	80	27	52	7	4	32	40	.....	.....	.....	2.92	+ 0.5	19	10,712	s.	47	s.	24	6	5	20	7.2	3.1	T.
Erie	714	130	166	29.30	30.08	+ .06	44.9	+11.8	76	19	55	18	4	35	37	40	36	75	3.73	+ 1.1	18	12,158	s.	46	sw.	6	3	9	19	7.4	2.2	T.
Cleveland	762	190	201	29.25	30.09	+ .06	45.6	+11.4	75	20	55	21	4	36	35	41	36	75	4.39	+ 1.6	18	11,395	s.	44	s.	8	6	3	22	7.8	0.6	0.0
Sandusky	629	62	103	29.38	30.08	+ .05	45.6	+10.4	77	19	55	22	4	36	36	.....	.....	.....	4.07	+ 1.5	19	10,542	sw.	46	s.	8	2	10	19	7.7	1.7	0.0
Toledo	628	208	243	29.38	30.07	+ .04	44.6	+ 9.8	78	19	54	19	4	35	41	40	36	76	5.15	+ 2.9	19	12,034	sw.	48	sw.	27	6	9	16	7.2	2.0	0.0
Fort Wayne	856	113	124	29.13	30.07	.....	45.8	+ 6.9	76	19	56	17	29	35	31	41	37	75	5.09	.....	16	8,545	sw.	40	sw.	6	4	9	18	7.4	T.	0.0
Detroit	730	218	245	29.26	30.07	+ .04	42.5	+ 9.6	76	19	52	16	29	33	44	38	35	78	3.36	+ 1.0	19	8,771	sw.	47	sw.	6	4	8	19	7.4	3.8	0.0
Upper Lake Region.							**34.5**	**+ 7.0**										**80**	**3.30**	**+ 1.0**										**7.3**		
Alpena	609	13	92	29.34	30.02	− .01	33.0	+ 8.0	70	20	41	10	4	25	42	30	28	84	4.28	+ 2.2	19	10,138	nw.	46	sw.	27	5	10	16	7.0	7.9	0.0
Escanaba	612	54	60	29.34	30.02	− .02	29.5	+ 6.0	57	27	36	9	9	23	41	27	23	79	2.91	+ 1.0	13	7,577	s.	31	s.	29	6	7	18	7.0	3.9	0.0
Grand Haven	632	54	89	29.33	30.03	.00	38.4	+ 7.6	67	26	47	15	29	30	30	35	32	82	4.85	+ 2.3	17	10,499	s.	45	s.	26	4	8	19	7.4	2.2	0.0
Grand Rapids	707	70	87	29.26	30.05	+ .02	41.0	+ 8.0	75	19	51	17	29	31	35	36	32	73	4.77	+ 2.2	15	5,520	se.	23	s.	27	3	10	18	7.5	1.8	0.0
Houghton	681	62	99	29.25	30.00	− .04	26.0	+ 2.2	59	25	34	4	29	18	46	.....	.....	.....	2.82	+ 0.7	22	7,866	e.	45	w.	15	2	10	19	7.8	14.7	T.
Lansing	878	11	62	29.08	30.05	.....	40.4	+ 9.1	76	19	51	13	29	30	41	36	33	80	3.34	+ 1.1	16	6,101	sw.	28	sw.	20	5	3	23	7.6	2.1	0.0
Ludington	637	60	66	29.31	30.02	.....	35.7	.....	66	26	43	15	28	29	29	33	30	82	2.88	.....	17	9,281	s.	39	s.	27	2	12	17	7.3	4.3	0.0
Marquette	734	77	111	29.22	30.04	.00	28.4	+ 4.7	58	25	36	7	28	21	42	26	23	82	2.95	+ 0.9	22	8,289	w.	49	sw.	27	2	9	20	8.0	16.4	T.
Port Huron	638	70	120	29.35	30.05	+ .02	39.6	+10.0	71	19	48	17	29	31	38	37	36	84	3.15	+ 0.7	17	9,448	sw.	35	w.	24	6	9	16	6.7	1.2	0.0
Saginaw	611	69	77	29.34	30.05	.....	39.2	.....	75	20	49	14	4	30	40	36	32	80	2.33	− 0.3	17	7,726	nw.	34	sw.	20	6	7	18	7.3	1.0	0.0
Sault Ste. Marie	614	11	52	29.32	30.04	+ .01	26.8	+ 5.5	62	27	34	3	4	19	41	25	22	84	4.07	+ 2.2	17	7,814	se.	44	nw.	16	3	10	18	7.9	7.4	T.
Chicago	823	140	310	29.14	30.04	+ .01	45.8	+11.4	78	19	55	19	28	36	33	41	38	78	4.00	+ 1.4	19	10,490	s.	39	s.	26	6	10	15	6.4	T.	0.0
Green Bay	617	109	144	29.32	30.00	− .04	35.5	+ 8.7	76	20	43	9	28	28	43	32	27	74	2.08	− 0.3	10	8,055	s.	48	sw.	27	3	9	19	7.6	2.7	0.0
Milwaukee	681	125	139	29.26	30.02	− .01	39.7	+ 8.8	77	20	48	12	28	32	38	36	31	75	2.84	+ 0.2	12	8,570	sw.	39	sw.	20	3	10	18	7.6	T.	0.0
Duluth	1,133	11	47	28.75	30.02	− .04	24.6	+ 0.5	60	19	34	− 8	28	16	40	23	20	85	1.76	+ 0.2	14	10,294	ne.	69	nw.	27	7	11	13	6.1	12.1	0.0
North Dakota.							**24.7**	**+ 3.8**										**77**	**1.13**	**+ 0.2**										**6.7**		
Moorhead	940	50	58	28.99	30.04	− .04	24.2	+ 2.8	58	18	34	− 1	28	15	37	22	19	80	1.61	+ 0.5	11	7,653	n.	40	n.	26	1	13	17	7.4	10.8	T.
Bismark	1,674	8	57	28.30	30.04	− .02	27.8	+ 5.7	66	18	40	− 6	11	16	53	24	18	70	1.00	0.0	11	7,737	nw.	38	nw.	15	4	14	13	6.5	9.9	0.0
Devils Lake	1,482	11	44	28.37	30.01	− .04	21.0	+ 2.5	56	24	32	−10	12	10	41	19	16	84	0.71	− 0.3	11	8,545	nw.	39	w.	15	4	13	14	6.9	7.5	0.0
Ellendale	1,457	10	56	28.40	30.01	.....	27.7	.....	75	18	39	− 2	12	16	50	.....	.....	.....	1.56	.....	11	11,812	nw.	58	n.	26	3	14	14	6.8	9.7	0.0
Grand Forks	835	12	89	.....	.....	.....	20.8	.....	56	18	31	− 6	12	10	36	.....	.....	.....	0.74	.....	12	.....	n.	48	nw.	15	12	10	9	.....	7.3	T.
Williston	1,878	41	48	27.95	29.99	+ .05	25.8	+ 4.2	62	3	36	− 5	11	16	42	23	18	73	1.21	+ 0.5	9	7,132	nw.	36	nw.	29	5	19	7	5.9	8.0	T.
Upper Mississippi Valley.							**45.0**	**+ 9.0**										**72**	**3.21**	**+ 0.8**										**6.2**		
Minneapolis	918	102	208	28.97	29.97	.....	33.6	.....	71	18	42	2	28	25	40	.....	.....	.....	2.21	+ 0.6	8	10,381	se.	48	nw.	27	8	10	13	6.3	1.0	0.0
St. Paul	837	236	261	29.06	30.00	− .05	33.7	+ 5.5	69	18	43	2	28	24	54	.....	.....	.....	2.51	+ 0.9	9	10,521	nw.	56	nw.	27	8	11	12	6.0	4.3	0.0
La Crosse	714	11	48	29.20	29.99	− .05	38.0	+ 7.1	76	19	47	7	28	29	51	.....	.....	.....	1.32	− 0.3	11	5,163	se.	34	sw.	27	6	12	13	6.4	1.2	0.0
Madison	974	70	78	28.96	30.03	− .01	37.4	+ 7.3	77	20	46	9	28	29	48	34	30	78	1.81	− 0.4	11	8,604	nw.	48	sw.	20	4	7	20	7.5	T.	0.0
Wausau	1,247	4	.....	28.62	29.99	.....	32.1	.....	73	19	40	2	28	24	49	.....	.....	.....	2.76	.....	10	.....	se.	.....	.....	.....	6	12	13	6.6	4.2	0.0
Charles City	1,015	10	49	28.91	30.01	− .04	38.5	+10.1	77	19	48	8	28	29	49	34	30	77	0.93	− 1.0	8	6,607	s.	35	nw.	27	7	11	13	6.0	0.3	0.0
Davenport	603	71	79	29.35	30.02	− .01	44.8	+ 9.4	78	19	56	15	28	34	46	40	36	75	4.23	+ 2.0	10	7,127	nw.	32	sw.	27	9	5	17	6.5	T.	0.0
Des Moines	841	84	97	29.07	29.99	− .05	44.2	+ 8.5	80	19	54	13	28	34	45	38	32	68	1.07	− 0.6	7	7,238	sw.	42	sw.	10	9	8	14	6.0	0.2	0.0
Dubuque	698	81	96	29.27	30.04	.00	41.2	+ 8.0	77	19	51	12	28	32	50	36	31	72	2.05	− 0.2	12	6,393	nw.	31	sw.	20	9	8	14	6.5	T.	0.0
Keokuk	614	64	78	29.35	30.03	.00	48.4	+10.5	80	19	59	15	28	38	44	42	36	68	5.13	+ 2.8	13	7,335	nw.	35	se.	26	5	10	16	6.2	T.	0.0
Cairo	35	87	93	29.68	30.07	+ .03	57.2	+10.2	82	15	66	27	29	48	36	50	45	69	4.26	+ 0.2	14	9,508	s.	42	ne.	27	6	13	12	6.2	0.0	0.0
Peoria	609	11	45	29.37	30.04	+ .01	47.3	+10.3	79	19	59	18	28	36	39	42	38	77	4.89	+ 1.9	19	6,297	s.	22	sw.	20	8	12	11	5.4	T.	0.0
Springfield, Ill	614	10	91	29.35	30.03	.00	49.6	+10.5	81	20	60	20	28	39	36	44	39	75	5.09	+ 2.0	16	7,953	s.	34	sw.	26	6	9	16	6.4	0.2	0.0
Hannibal	543	74	109	29.44	30.02	.00	50.8	+ 9.2	80	20	62	18	28	40	42	.....	.....	.....	3.35	+ 0.6	17	8,437	sw.	42	sw.	5	7	8	16	6.2	T.	0.0
St. Louis	567	265	303	29.43	30.04	+ .01	54.0	+10.5	81	20	64	22	28	44	39	46	40	65	6.14	+ 2.7	15	12,244	s.	50	s.	5	9	14	8	5.0	0.0	0.0
Missouri Valley.							**45.3**	**+ 9.2**										**66**	**2.29**	**+ 0.4**										**5.2**		
Columbia, Mo.	781	11	84	29.18	30.02	− .01	52.0	+10.6	81	18	63	19	28	41	38	.....	.....	.....	3.37	+ 0.3	15	7,720	s.	35	s.	5	7	11	13	6.0	0.5	0.0
Kansas City	963	161	181	28.97	30.02	.00	50.9	+10.1	85	18	61	18	28	41	36	44	37	64	3.60	+ 0.8	11	10,416	s.	57	sw.	26	10	11	10	5.3	0.8	0.0
St. Joseph	967	11	49	28.94	29.99	.....	48.8	.....	84	18	59	16	28	38	36	42	35	63	1.27	.....	10	8,221	s.	42	w.	5	13	8	10	5.1	T.	0.0
Springfield, Mo.	1,324	98	104	28.62	30.04	+ .02	52.8	+ 9.3	82	18	63	20	28	42	41	47	43	75	7.35	+ 3.3	14	9,657	s.	40	sw.	8	14	8	9	4.6	0.0	0.0
Iola	984	11	50	28.95	30.00	− .01	52.1	+ 9.7	87	18	64	21	28	41	39	.....	.....	.....	3.60	+ 1.2	10	7,579	s.	28	s.	19	9	10	12	5.9	T.	0.0
Topeka	987	92	107	.....	.....	.....	49.6	+ 8.7	86	18	61	18	28	38	38	.....	.....	.....	3.04	+ 0.8	9	10,043	n.	44	s.	19	11	10	10	5.1	0.2	0.0
Drexel	1,299	10	53	28.57	29.96	.....	43.1	.....	84	18	55	11	28	31	41	36	30	66	1.69	.....	3	10,664	n.	45	sw.	19	9	12	10	5.5	T.	0.0
Lincoln	1,189	11	84	28.69	29.97	− .05	45.9	+ 9.9	87	18	58	15	28	34	41	39	32	63	0.66	− 0.7	2	9,604	n.	46	nw.	26	15	6	10	4.7	T.	0.0
Omaha	1,105	115	122	28.80	30.00	− .04	45.6	+ 9.6	85	18	56	14	28	35	38	38	30	60	1.08	− 0.3	3	7,568	nw.	39	nw.	27	12	10	9	5.1	T.	0.0
Valentine	2,598	47	54	27.22	29.98	− .05	39.6	+ 7.7	80	18	53	11	21	26	46	32	25	62	0.91	− 0.3	8	8,727	sw.	46	sw.	25	10	12	9	5.0	4.6	0.0
Sioux City	1,135	94	164	28.76	30.00	− .05	41.6	+ 9.0	82	18	52	12	28	31	44	35	28	64	0.67	− 0.6	6	10,196	s.	53	nw.	26	11	10	10	5.7	0.1	0.0
Huron	1,306	59	74	28.58	30.01	− .05	35.0	+ 8.3	84	18	48	2	28	22	46	29	24	71	1.51	+ 0.5	7	8,103	se.	44	n.	26	15	11	5	3.9	5.1	T.
Pierre	1,572	70	75	28.29	29.99	− .06	38.0	+ 8.5	85	18	52	10	21	24	45	32	26	70	0.49	− 0.8	7	8,015	nw.	51	n.	26	10	5	16	6.0	1.5	0.0
Yankton	1,233	49	57	28.66	30.00	− .05	40.3	+ 9.1	79	18	52	13	27	29	41	.....	.....	.....	1.23	+ 0.1	5	7,379	nw.	40	nw.	26	11	11	9	5.3	3.5	0.0

TABLE I.—*Climatological data for Weather Bureau Stations, March, 1921*—Continued.

Districts and stations.	Elevation of instruments.			Pressure.			Temperature of the air.												Precipitation.			Wind.										
	Barometer above sea level.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max.+mean min.÷2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity.	Total.	Departure from normal.	Days with 0.01 inch or more.	Total movement.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	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.							**35.6**	**+ 4.8**										**62**	**0.98**	**− 0.2**										**5.8**		
Billings	3,140	5	.....	.....	.....	.....	37.4	.....	79	3	52	− 5	12	23	54	.....	.....	.....	0.87	.....	6	.....	.....	.....	.....	.....	7	18	6	.....	0.0	0.0
Havre	2,505	11	44	27.29	30.00	.00	28.6	+ 1.3	64	28	40	−15	13	18	41	26	22	79	1.89	+ 1.4	14	6,753	sw.	37	nw.	29	4	12	15	7.1	13.0	0.0
Helena	4,110	87	112	25.70	29.97	− .04	34.4	+ 3.4	68	3	45	− 5	12	24	33	28	20	60	1.24	+ 0.5	14	5,911	sw.	38	s.	1	2	11	18	7.4	20.0	0.0
Kalispell	2,973	48	56	26.84	29.95	− .04	33.3	+ 0.3	60	31	41	5	12	26	34	30	24	70	1.55	+ 0.5	13	4,767	nw.	33	ne.	9	5	12	14	6.9	10.5	0.0
Miles City	2,371	26	48	27.41	30.02	.00	37.3	+ 8.7	69	17	50	5	8	25	42	30	24	67	1.22	+ 0.5	10	5,919	n.	36	nw.	14	6	16	9	5.9	8.9	0.0
Rapid City	3,259	50	58	26.52	30.00	− .01	37.8	+ 6.2	78	3	52	9	12	24	52	31	22	56	0.16	− 0.9	3	7,972	n.	44	n.	29	8	11	12	6.1	0.5	0.0
Cheyenne	6,088	84	101	23.91	29.94	− .02	37.6	+ 4.6	71	18	50	6	27	26	35	30	20	52	0.39	− 0.6	6	11,388	w.	54	w.	24	11	13	7	4.7	4.0	T.
Lander	5,372	60	68	24.54	29.94	− .05	38.2	+ 6.9	70	3	52	12	12	24	44	30	21	55	0.69	− 0.9	4	5,291	w.	48	sw.	18	12	17	2	4.5	7.3	0.0
Sheridan	3,790	10	47	26.01	29.98	.....	35.6	.....	71	17	49	5	12	22	48	29	20	61	0.65	.....	8	5,388	nw.	42	nw.	5	12	11	8	4.7	3.3	0.0
Yellowstone Park	6,200	11	48	23.76	29.97	− .05	30.0	+ 3.5	55	3	40	3	12	20	40	26	20	65	1.24	− 0.9	15	8,131	s.	54	s.	14	4	16	11	6.3	12.4	T.
North Platte	2,821	11	51	27.04	30.00	.00	43.4	+ 8.1	84	18	58	17	21	29	43	34	26	60	0.42	− 0.4	3	6,433	n.	35	n.	29	14	9	8	4.5	0.8	0.0
Middle Slope.							**49.4**	**+ 6.9**										**59**	**0.88**	**− 0.6**										**5.0**		
Denver	5,292	106	113	24.64	29.92	− .03	45.0	+ 6.3	77	18	58	16	9	32	41	35	23	49	0.48	− 0.5	4	6,225	s.	46	ne.	29	10	16	5	4.8	6.5	0.0
Pueblo	4,685	80	86	25.21	29.91	− .01	47.0	+ 6.4	80	17	62	11	9	32	45	36	23	46	0.20	− 0.7	3	5,955	nw.	36	nw.	23	8	14	9	5.5	0.8	0.0
Concordia	1,392	50	58	28.51	30.00	− .01	47.6	+ 6.9	87	18	60	15	28	35	46	40	31	59	0.47	− 1.0	5	8,490	s.	44	nw.	26	10	11	10	5.6	0.2	0.0
Dodge City	2,509	11	51	27.38	30.00	− .03	49.1	+ 7.4	86	19	64	15	28	35	41	30	31	60	0.01	− 0.9	1	9,863	s.	39	ne.	30	19	6	6	3.4	0.1	0.0
Wichita	1,358	139	158	28.54	29.98	− .01	51.2	+ 7.1	83	18	62	20	28	40	35	45	39	68	2.18	− 0.1	9	12,422	s.	54	sw.	4	9	15	7	5.0	0.6	0.0
Altus	1,410	5	.....	.....	.....	.....	57.8	.....	89	5	71	28	28	45	36	.....	.....	.....	1.53	.....	3	.....	ne.	.....	.....	.....	15	3	13	.....	T.	0.0
Broken Arrow	765	11	52	29.18	30.01	.....	55.9	.....	83	18	66	26	29	46	37	.....	.....	.....	6.21	.....	12	12,014	s.	65	se.	26	8	9	14	.....	0.0	0.0
Muskogee	652	4	.....	.....	.....	.....	58.5	.....	87	17	69	27	29	48	33	.....	.....	.....	5.98	.....	12	.....	s.	.....	.....	.....	12	8	11	.....	0.0	0.0
Oklahoma	1,214	10	47	28.72	30.00	− .02	56.6	+ 7.4	82	18	67	26	28	46	35	49	45	72	1.93	− 0.4	7	12,145	s.	42	n.	27	7	13	11	5.7	0.0	0.0
Southern Slope.							**58.6**	**+ 5.4**										**56**	**1.08**	**+ 0.2**										**4.4**		
Abilene	1,738	10	52	28.18	29.98	+ .02	61.2	+ 6.3	86	25	73	30	29	49	39	52	45	65	0.98	− 0.4	6	8,687	s.	40	s.	26	10	12	9	5.2	0.0	0.0
Amarillo	3,676	10	49	26.23	29.96	+ .01	52.0	+ 7.0	85	16	67	19	28	37	42	42	33	59	0.68	0.0	5	9,679	sw.	40	sw.	26	19	9	3	3.5	5.3	0.0
Del Rio	944	64	71	28.99	29.97	+ .02	66.8	+ 5.1	87	27	77	43	29	57	36	.....	.....	.....	1.92	+ 0.8	7	7,611	se.	44	n.	27	9	13	9	5.1	0.0	0.0
Roswell	3,566	75	85	26.33	29.94	+ .04	54.4	+ 3.1	85	17	70	25	28	39	45	42	26	44	0.74	+ 0.3	2	6,563	s.	50	ne.	20	14	15	2	3.7	0.0	0.0
Southern Plateau.							**57.1**	**+ 3.1**										**40**	**0.19**	**− 0.3**										**2.9**		
El Paso	3,762	110	133	26.16	29.90	+ .02	59.3	+ 3.4	83	17	72	32	28	46	34	43	24	30	0.04	− 0.3	1	10,138	w.	47	sw.	26	23	8	0	2.0	T.	0.0
Santa Fe	7,013	57	66	23.20	29.93	+ .04	42.6	+ 3.2	70	17	54	16	9	32	33	33	24	54	0.75	0.0	6	5,790	sw.	30	nw.	23	11	13	7	4.8	9.0	0.0
Flagstaff	6,908	10	59	23.30	29.90	+ .01	.....	.....	69	17	54	20	29	27	41	.....	.....	.....	1.06	.....	5	.....	w.	30	sw.	18	17	10	4	.....	1.6	0.0
Phoenix	1,108	76	81	28.75	29.90	− .01	64.7	+ 4.2	95	16	79	41	27	50	46	50	34	38	0.03	− 0.5	2	4,187	e.	30	w.	25	26	1	4	2.2	0.0	0.0
Yuma	141	9	54	29.78	29.93	− .01	66.4	+ 1.9	91	17	81	45	21	51	43	52	38	43	0.09	− 0.3	4	4,730	w.	30	w.	6	23	7	1	2.0	0.0	0.0
Independence	3,957	9	41	25.95	29.98	+ .04	52.4	+ 2.8	77	17	66	27	23	39	37	40	23	35	0.06	− 0.4	2	5,299	s.	34	w.	18	18	10	3	3.4	0.0	0.0
Middle Plateau.							**44.7**	**+ 3.8**										**53**	**0.55**	**− 0.7**										**5.1**		
Reno	4,532	74	81	25.45	30.00	+ .02	45.3	+ 4.3	76	2	58	21	27	32	40	36	26	50	0.13	− 1.1	4	5,949	w.	48	w.	17	14	11	6	4.3	0.1	0.0
Tonopah	6,090	12	20	24.05	29.97	.....	44.6	.....	68	31	55	20	19	34	34	36	26	50	0.09	− 1.3	3	7,347	se.	42	nw.	25	9	18	4	4.5	0.5	0.0
Winnemucca	4,344	18	56	25.60	30.01	.00	43.8	+ 4.2	72	3	57	19	27	31	43	36	27	58	0.66	− 0.3	5	6,011	sw.	37	nw.	18	9	8	14	6.0	0.0	0.0
Modena	5,479	10	43	24.57	29.94	− .02	42.0	+ 2.8	70	17	56	16	9	28	46	33	21	51	1.09	− 0.2	6	8,256	sw.	43	sw.	18	16	10	5	3.7	T.	0.0
Salt Lake City	4,360	163	203	25.59	29.98	.00	46.2	+ 4.8	71	3	55	28	9	37	31	38	29	55	1.03	− 1.0	7	5,938	nw.	44	nw.	13	8	8	15	6.0	1.7	0.0
Grand Junction	4,602	60	68	25.34	29.92	− .02	46.2	+ 2.7	75	18	59	23	9	34	37	37	27	52	0.28	− 0.4	9	4,521	se.	31	sw.	19	7	8	16	6.3	T.	0.0
Northern Plateau.							**43.3**	**+ 3.0**										**63**	**1.10**	**− 0.4**										**5.9**		
Baker	3,471	48	53	26.41	30.03	.00	38.9	+ 3.4	63	31	48	20	12	30	34	34	28	67	0.50	− 0.9	10	4,890	se.	25	s.	17	13	14	4	4.2	1.2	0.0
Boise	2,739	78	86	27.15	30.03	.00	45.2	+ 3.0	70	31	55	26	27	35	36	40	34	65	0.84	− 0.6	12	4,536	nw.	30	nw.	25	10	11	10	5.4	T.	0.0
Lewiston	757	40	48	29.19	30.01	− .02	46.6	+ 2.6	70	28	56	30	30	37	37	.....	.....	.....	0.98	− 0.3	9	3,504	e.	28	w.	25	4	10	17	7.0	T.	0.0
Pocatello	4,477	60	68	25.42	29.97	− .04	41.6	+ 4.7	64	3	51	22	20	32	32	35	27	56	0.92	− 0.8	11	7,844	sw.	36	sw.	19	6	11	14	6.3	1.6	0.0
Spokane	1,929	101	110	27.92	29.99	− .02	40.2	+ 1.3	60	28	49	16	12	32	30	35	29	65	1.15	− 0.4	11	6,534	sw.	30	sw.	16	5	14	12	6.5	5.0	0.0
Walla Walla	991	57	65	28.94	30.02	.00	47.2	+ 3.2	70	28	55	28	13	39	29	41	33	60	2.24	+ 0.4	12	4,931	s.	26	w.	19	7	14	10	5.9	3.5	0.0
North Pacific Coast Region.							**45.6**	**+ 1.2**										**80**	**3.38**	**− 1.3**										**6.9**		
North Head	211	11	56	29.83	30.07	+ 0.6	44.1	− 0.8	58	30	48	33	12	40	19	42	39	84	6.41	+ 1.2	20	11,758	nw.	62	s.	15	6	11	14	6.2	T.	0.0
Port Angeles	29	8	53	30.03	30.06	.....	41.7	.....	53	21	48	30	11	36	20	.....	.....	.....	0.99	− 1.2	13	4,586	s.	26	w.	18	6	7	18	6.7	1.0	0.0
Seattle	125	215	250	29.93	30.06	+ .07	44.6	+ 0.4	58	30	50	31	14	39	21	41	37	77	3.06	− 0.5	17	6,161	se.	45	sw.	10	2	8	21	7.9	0.4	0.0
Tacoma	213	113	120	29.83	30.06	+ .06	44.6	+ 0.4	63	28	52	30	5	38	27	43	40	86	4.36	+ 0.4	16	4,868	sw.	32	sw.	25	2	13	16	7.4	1.0	0.0
Tatoosh Island	86	7	57	29.93	30.03	+ .07	43.7	+ 0.8	51	23	47	32	11	40	15	41	39	83	2.88	− 5.7	17	10,524	w.	49	w.	10	8	11	12	5.9	T.	0.0
Yakima	1,071	4	.....	.....	.....	.....	45.0	.....	70	31	57	26	14	33	40	.....	.....	.....	0.25	.....	4	.....	nw.	.....	.....	.....	12	9	10	.....	T.	0.0
Medford	1,425	4	.....	.....	.....	.....	47.5	.....	75	28	59	26	11	36	43	.....	.....	.....	1.06	.....	11	.....	nw.	.....	.....	.....	.....	.....	.....	.....	0.0	0.0
Portland, Oreg.	153	68	106	29.91	30.07	+ .05	48.0	+ 1.7	69	28	55	34	14	41	29	44	40	74	4.28	− 0.9	14	4,778	nw.	25	sw.	16	3	5	23	8.0	T.	0.0
Roseburg	510	9	57	29.54	30.09	+ .05	48.4	+ 4.6	75	28	57	31	27	40	38	44	40	76	1.71	− 2.3	15	2,200	nw.	17	w.	22	5	16	10	6.1	0.0	0.0
Middle Pacific Coast Region.							**52.6**	**+ 1.3**										**76**	**1.89**	**− 3.8**										**6.0**		
Eureka	62	73	89	30.04	30.12	+ .06	49.8	+ 1.8	63	16	54	39	20	46	19	47	45	84	3.04	− 3.9	16	5,778	n.	37	n.	26	4	4	23	7.6	0.0	0.0
Mount Tamalpais	2,375	11	18	27.59	30.08	+ .02	47.4	+ 0.3	68	2	52	34	22	42	25	.....	.....	.....	1.99	− 3.2	11	12,150	nw.	84	nw.	25	5	6	20	7.1	0.0	0.0
Point Reyes Light	490	7	18	29.51	30.03	.....	50.4	+ 0.8	66	27	54	44	11	47	19	.....	.....	.....	1.89	.....	10	14,105	nw.	97	nw.	25	6	5	20	7.0	0.0	0.0
Red Bluff	332	50	56	29.68	30.04	.00	56.0	+ 2.2	79	30	65	40	19	47	32	50	45	69	1.80	− 2.0	9	4,258	se.	33	nw.	26	16	10	5	4.4	0.0	0.0
Sacramento	69	106	117	29.99	30.06	+ .03	55.0	+ 0.8	76	30	63	40	19	47	27	51	48	79	1.45	− 1.6	8	5,306	s.	34	nw.	26	9	15	7	4.8	0.0	0.0
San Francisco	155	208	243	29.90	30.07	+ .01	54.5	+ 1.8	73	28	60	45	29	49	22	50	45	74	2.28	− 9.6	9	6,037	w.	32	n.	26	9	8	14	5.8	0.0	0.0
San Jose	141	12	110	29.93	30.08	.....	54.8	+ 1.1	75	28	65	37	27	45	36	.....	.....	.....	0.80	− 2.2	9	4,449	se.	26	s.	13	11	8	12	5.2	0.0	0.0
South Pacific Coast Region.							**57.4**	**+ 2.0**										**73**	**1.80**	**− 0.8**										**4.8**		
Fresno	327	89	98	29.69	30.05	+ .04	56.8	+ 1.9	82	2	67	39	20	46	30	51	45	69	1.05	− 0.7	6	4,881	nw.	28	nw.	18	11	14	6	4.8	0.0	0.0
Los Angeles	338	159	191	29.66	30.03	+ .01	59.4	+ 2.5	83	29	68	44	1	51	29	52	47	73	2.75	− 0.2	6	4,541	sw.	39	nw.	25	13	8	10	4.7	0.0	0.0
San Diego	87	62	70	29.93	30.02	.06	57.5	+ 1.3	74	29	64	46	20	52	25	53	49	78	1.13	− 0.6	5	5,265	nw.	24	w.	25	10	14	7	4.8	0.0	0.0
San Luis Obispo	201	32	40	29.85	30.07	+ .01	56.0	+ 2.2	82	28	66	37	21	47	38	50	44	72	2.29	− 1.7	8	3,488	nw.	20	w.	23	11	11	9	5.1	0.0	0.0
West Indies.																																
San Juan, P. R.	82	8	54	29.95	30.04	.....	74.6	.....	84	3	80	67	28	70	15	.....	.....	.....	4.75	+ 1.6	28	13,822	e.	48	e.	12	5	21	5	5.3	0.0	0.0
Panama Canal.																																
Balboa Heights	118	7	97	29.74	29.86	+ .01	80.8	− 0.7	92	10	89	70	3	72	20	72	70	76	2.98	+ 2.3	6	6,224	nw.	25	nw.	9	6	25	0	4.8	0.0	0.0
Colon	36	7	97	29.84	29.87	+ .01	81.8	+ 1.0	88	10	86	72	5	77	14	74	72	77	0.98	− 0.6	8	11,835	n.	30	ne.	30	11	19	1	4.3	0.0	0.0
Alaska.																																
Juneau	80	11	49	.....	.....	.....	30.8	.....	49	2	36	9	15	26	22	27	20	69	6.53	.....	17	3,600	ne.	23	ne.	11	11	4	16	5.8	5.0	0.0

TABLE II.—*Data furnished by the Canadian Meteorological Service, March, 1921.*

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.*
St. Johns, N. F.	125												
Sydney, C. B. I.	48	30.08	30.13	+0.25	31.0	+ 4.8	40.0	22.0	55	8	3.92	−1.01	18.0
Halifax, N. S.	88												
Yarmouth, N. S.	65	30.06	30.13	+ .18	36.1	+ 5.3	42.3	29.9	57	15	3.14	−1.71	1.5
Charlottetown, P. E. I.	38	30.04	30.08	+ .18	31.6	+ 6.2	38.7	24.6	56	13	3.97	+0.76	12.2
Chatham, N. B.	28	30.06	30.09	+ .19	31.7	+ 8.7	41.0	22.3	64	5	3.07	−0.40	13.7
Father Point, Que.	20	30.01	30.04	+ .14	24.8	+ 4.5	33.2	16.4	54	− 4	3.09	+0.36	16.7
Quebec, Que.	296	29.74	30.08	+ .12	28.7	+ 7.5	36.8	20.6	53	− 1	4.50	+1.24	7.4
Montreal, Que.	187	29.86	30.08	+ .08	33.9	+10.1	41.3	25.5	68	3	3.76	−0.03	6.1
Stonecliffe, Ont.	489	29.42	30.05	+ .04	25.8	+ 6.8	40.1	11.5	64	−12	2.01	−0.05	3.3
Ottawa, Ont.	236	29.82	30.10	+ .09	32.3	+10.8	41.2	23.5	71	− 5	5.12	+2.40	10.4
Kingston, Ont.	285	29.76	30.08	+ .07	36.6	+11.0	44.0	29.2	60	4	3.42	+0.78	5.6
Toronto, Ont.	379	29.66	30.08	+ .06	38.5	+11.2	47.0	30.1	70	7	2.11	−0.53	1.0
Cochrane, Ont.	930												
White River, Ont.	1,244	28.61	29.97	− .06	16.8	+ 4.6	30.3	3.4	50	−24	1.22	−0.16	6.0
Port Stanley, Ont.	592												
Southampton, Ont.	656	29.31			36.4	+11.7	45.4	27.5	68	9	5.15	+2.50	3.0
Parry Sound, Ont.	688	29.35	30.07	+ .05	32.2	+11.1	42.0	22.5	62	− 3	7.21	+4.98	6.0
Port Arthur, Ont.	644	29.29	30.02	− .02	22.8	+ 6.0	31.9	13.8	45	− 8	2.04	+1.07	10.4
Winnipeg, Man.	760	29.16	30.02	− .07	15.8	+ 3.5	26.0	5.7	44	−16	1.09	+0.06	10.8
Minnedosa, Man.	1,690	28.12	30.02	− .04	14.7	+ 2.2	25.2	4.2	44	−21	0.74	+0.09	7.4
Le Pas, Man.	860												
Qu'Appelle, Sask.	2,115	27.65	29.97	− .07	19.4	+ 4.5	30.5	8.4	50	−16	1.26	+0.49	12.0
Medicine Hat, Alb.	2,144												
Moose Jaw, Sask.	1,759												
Swift Current, Sask.	2,392	27.34	30.04	+ .02	24.2	+ 2.2	34.6	13.7	57	−18	0.56	−0.25	5.6
Calgary, Alb.	3,428												
Banff, Alb.	4,521												
Edmonton, Alb.	2,150												
Prince Albert, Sask.	1,450	28.42	30.07	− .01	10.9	− 1.1	24.3	−2.4	45	−34	2.71	+1.94	23.5
Battleford, Sask.	1,592	28.20	30.02	− .04	14.6	+ 1.5	25.8	3.4	47	−24	0.64	+0.18	6.4
Kamloops, B. C.	1,262	28.71	30.02	+ .10	37.9	+ 1.8	46.5	29.3	64	10	0.49	−0.08	2.2
Victoria, B. C.	230												
Barkerville, B. C.	4,180												
Triangle Island, B. C.	680												
Prince Rupert, B. C.	170												
Hamilton, Bermuda	151	30.15	30.31	+ .23	65.6	+ 3.4	71.0	60.2	75	53	1.36	−3.77	0.0