Extratropical cyclones and gales.—Most cyclonic disturbances of the month moved in the higher latitudes; and over the western two-thirds of the ocean no gales were reported by ships to the southward of the 40th parallel. Over the eastern third, a few fresh gales occurred between latitudes 35° and 40° N., in connection with cyclones centered well to the northward on the 1st, 4th, and 12th. The stormy weather of the month occurred mainly to the eastward of the 180th meridian; west of that meridian the only wind of force as high as 8 reported was experienced near latitude 43° N., 154° E., on the 27th.

At the beginning of May a moderate cyclone lay to the westward of Washington and Oregon from the 1st to the 4th, and caused strong winds to fresh southerly gales, particularly along the coast. Much farther westward, on the 4th to 6th, a further moderate cyclone lay over the northern routes to the southeastward of the Aleutian Islands, and caused widely scattered winds of forces 7 to 8 within the region 38° to 47° N., 150° to 165° W.

Late on the 12th and early on the 13th the locally most violent storm of the month along the main lines of travel was centered in the vicinity of 45° N., 140° W. At about 2 a. m. of the 13th the Panamanian steamer *Bahrein* encountered intense squalls of rain and wind, the highest velocity attaining full hurricane force from the south-southeast. At 3 a. m. the wind had lessened to force 10 from the south, with lowest barometer 984.4 millibars (29.07 inches), in 42°10′ N., 139°12′ W. At 8 a. m. of the same date the American steamer *City of Alma*, near 43° N., 135° W., reported a southeast gale of force 9, lowest barometer 1,005.8 millibars (29.70 inches).

In higher latitudes of the Pacific, the U. S. Coast and Geodetic Survey steamer *Discoverer*, near Unimak Island, off the Alaska Peninsula, encountered a north-northwest gale of force 11 on the 10th, and another of force 10 from the same direction on the 22d. Both occurrences were evidently local in character.

From May 27 to 31 a cyclone from the vicinity of the Kuril Islands crossed the central Aleutian chain, and at the close of the month lay south and southwest of the Alaska Peninsula. This storm was particularly notable on the 30th and 31st. On the 30th because on that date the Japanese motorship *San Luis Maru* reported what is probably the lowest barometer reading of the month in the North Pacific, 976.6 millibars (28.84 inches, uncorrected), near 45° N., 175° W.; on the 31st, because of the storm activity. Several eastbound vessels had westerly gales between latitudes 45° and 50° N., longitudes 155° and 170° W., of which the strongest, of force 10, was reported by the American steamer *City of Los Angeles*, near 48° N., 157° to 158° W.

Near the California coast northwesterly gales of force 8 were reported by ships on the 10th, 15th, 16th, 25th, and 26th, along the eastern slope of the oceanic HIGH.

Fog.—In northwestern waters the fog conditions usual to late spring made their appearance this month. Along the upper steamship routes between longitude 175° W., and northern Japan fog was observed on 3 to 6 or more days in each five-degree square. Only scattered fogs occurred elsewhere, except along the American coast. Two days with fog were reported off Washington; 3, off Oregon; 18, off California; and 4, off Lower California.

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.

TABLE 1.—*Condensed climatological summary of temperature and precipitation by sections, May 1940*

[For description of tables and charts, see REVIEW, January, pp. 32 and 38]

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	69.0	−2.4	2 stations	97	22	2 stations	34	4	3.45	−0.67	Melvin	8.14	Fairhope	0.53
Arizona	69.4	+3.4	Gila Bend	110	14	Alpine	22	5	.33	+.01	Alpine	1.56	9 stations	.00
Arkansas	66.6	−2.5	England	96	5	2 station	33	2	3.62	−1.33	Grannis	11.51	Lead Hill	.63
California	64.0	+2.6	2 stations	111	[1] 13	Soda Springs	12	5	.63	−.31	Upper Mattole	5.21	70 stations	.00
Colorado	55.4	+3.0	Sedgwick	100	31	Hermit	15	1	1.74	−.14	Monument	4.63	3 stations	.00
Florida	72.9	−2.6	Quincy	99	22	3 stations	38	[1] 3	1.99	−1.97	Miami	11.11	Inverness	.20
Georgia	69.3	−2.2	Alapaha	98	22	Blairsville	29	5	2.14	−1.29	Quitman	6.20	Savannah Beach	.67
Idaho	57.0	+3.9	Riggins	100	10	Pelton's Ranch	12	7	.55	−1.07	Pierce	3.17	7 stations	.00
Illinois	60.0	−2.7	2 stations	92	[1] 6	3 stations	27	4	3.24	−.78	Cicero	6.24	U.S. Dam 21 (Quincy)	.94
Indiana	59.0	−3.2	Shoals	97	8	Marengo	25	4	4.14	+.15	Wheatfield	7.82	Evans Landing	1.80
Iowa	58.4	−1.7	4 stations	96	13	3 stations	26	[1] 1	2.07	−1.96	Cedar Falls	3.86	Inwood	.16
Kansas	63.9	.0	Medicine Lodge	102	5	Atwood	30	15	3.76	−.07	Minneola	8.09	Hanover	1.11
Kentucky	61.8	−3.6	Pikeville	94	[1] 7	Lynch (near)	26	4	3.50	−.47	Flemingsburg	6.10	Pikeville	1.71
Louisiana	71.9	−1.8	Winnfield	94	[1] 20	Belle Chasse	45	13	1.89	−2.64	Monroe	5.45	Gueydan (near)	.00
Maryland-Delaware	62.0	−.7	Dunkalk, Md	93	14	Oakland, Md	23	12	4.55	+1.06	Emmitsburg, Md	8.94	Delaware Breakwater, Del.	2.63

[1] Other dates also.

TABLE 1.—*Condensed climatological summary of temperature and precipitation by sections, May 1940*—Continued

Section	Temperature: Section average	Temperature: Departure from the normal	Monthly extremes: Station	Highest	Date	Station	Lowest	Date	Precipitation: Section average	Departure from the normal	Greatest monthly: Station	Amount	Least monthly: Station	Amount
	° F.	° F.		° F.			° F.		In.	In.		In.		In.
Michigan	52.0	−1.5	Eloise	92	[1] 13	2 stations	19	[1] 4	3.93	+.74	Bergland	7.71	Mackinaw City	2.10
Minnesota	54.2	−1.0	Fairbault	96	12	do	20	[1] 2	1.91	−1.27	Two Harbors	4.57	Baudette	.35
Mississippi	69.2	−2.6	3 stations	95	[1] 17	West Point	35	2	2.59	−1.73	Shubuto	8.27	Biloxi	.57
Missouri	62.7	−1.8	2 stations	95	[1] 6	Goodland	30	4	2.44	−2.29	2 stations	5.75	Philadelphia	.32
Montana	55.7	+3.6	5 stations	95	31	Conway's Ranch	15	7	1.19	−.90	Billings No. 2	3.76	2 stations	.24
Nebraska	60.1	+.8	3 stations	99	[1] 12	Mullen	20	14	1.07	−2.34	Winside	4.36	Springview	.00
Nevada	61.9	+6.2	Overton	110	17	Sheldon	17	5	.23	−.63	Lewers Ranch	1.36	6 stations	.00
New England	54.9	−.2	Orono, Maine	92	27	2 stations	22	[1] 9	4.60	+1.25	Mt. Carmel, Conn	9.64	Jackman, Maine	.93
New Jersey	59.7	−.7	N. Merchantville	92	15	Layton	28	10	6.32	+2.64	Elizabeth	9.12	Barnegat City	4.33
New Mexico	61.1	+1.5	Orogrande	102	31	Eagle Nest	15	1	1.85	+.65	Santa Clara R. S	5.74	Shiprock	.16
New York	56.4	+.4	Binghamton	88	15	3 stations	21	[1] 10	3.78	+.35	Scarsdale	7.99	Lawrenceville	1.25
North Carolina	65.4	−1.4	Shelby	100	8	Mount Mitchell	17	[1] 3	3.81	−.25	Hatteras	11.69	Canton	1.16
North Dakota	54.9	+1.3	Berthold Agency	96	11	Mohall	17	1	1.97	−.32	Portal	4.58	Richardton	.39
Ohio	58.6	−1.9	Gallipolis (near)	95	22	Millport	26	5	4.51	+.84	Hillsboro	7.09	Dam No. 28	2.12
Oklahoma	68.2	−.1	Mutual	105	5	Kenton	31	1	3.87	−.82	Ardmore	12.74	Okmulgee	1.08
Oregon	56.8	+3.5	Umatilla	98	23	Fremont	18	6	.97	−.72	Gold Beach	5.89	Andrews	.00
Pennsylvania	59.2	−.3	3 stations	93	14	Coudersport	22	12	4.46	+.62	Uniontown	7.31	Chambersburg	2.59
South Carolina	68.4	−2.5	2 stations	98	[1] 7	Longcreek (near)	30	5	2.84	−.72	Pinopolis	5.64	Charleston Airport	.90
South Dakota	57.4	+1.0	Hot Springs	97	31	McIntosh	19	1	.61	−2.22	Lead	2.52	2 stations	.03
Tennessee	63.8	−3.0	Etowah	96	8	Erwin	27	5	3.29	−.87	Knoxville	5.13	Kingsport	1.26
Texas	72.6	−.4	2 stations	105	[1] 4	Seminole	31	9	3.36	−.28	Arthur City	13.42	Orange	.29
Utah	60.4	+4.9	Hurricane	98	[1] 9	Moon Lake	14	1	.23	−.97	Massey's Ranch	1.94	7 stations	.00
Virginia	63.4	−.7	Columbia	96	7	Burkes Garden	26	12	4.46	+.75	Roanoke	10.14	Clinchport	1.33
Washington	58.2	+3.7	Wahluke (near)	99	23	Newport	19	26	1.56	−.37	Mt. Baker Lodge	9.27	Ephrata	T
West Virginia	60.1	−1.6	3 stations	95	[1] 8	Seneca State Forest	22	12	4.93	+.96	Buckhannon	9.04	Williamson	1.42
Wisconsin	52.7	−2.6	Wisconsin Dells	91	13	Willow Reservoir	16	4	3.63	+.05	Rest Lake	5.95	Mondovi	1.84
Wyoming	52.6	+3.0	Hawk Springs	96	31	Jewett's Ranch	9	7	.87	−1.18	Dome Lake	2.58	Lusk	.16
Alaska (April)	38.9	+12.1	Ruby	78	28	Pilgrim Springs	−21	3	1.53	+.05	Latouche	23.64	Richardson	.00
Hawaii	73.1	+1.8	2 stations	91	[1] 15	Haleakala (Maui)	33	7	8.10	+1.88	Waikane	33.33	Mahukona	.00
Puerto Rico	77.0	+.3	Dos Bocas	97	12	3 stations	57	[1] 3	13.44	+5.13	Guineo Reservoir	31.29	Mona Island (Light House).	4.07

[1] Other dates also.

TABLE 2.—*Climatological data for Weather Bureau stations, May 1940*

District and station	Elevation of instruments: Barometer above sea level	Thermometer above ground	Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Sea level, reduced to mean of 24 hours	Departure from normal	Temperature of the air: 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	Precipitation: Total	Departure from normal	Days with 0.01 inch or more	Wind: Average hourly velocity	Prevailing direction	Maximum velocity: Miles per hour	Direction	Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	° F.	° F.	°F.		°F.	°F.		°F.	° F.	° F.	° F.	%	In.	In.		Miles								0–10	In.	In.
New England							54.7	+0.1										77	4.79	+1.6										7.0		
Eastport	75	67	85	29.90	29.98	+0.02	47.8	+0.1	79	27	55	37	11	41	35	44	41	82	1.20	−1.8	10	10.8	e.	32	e.	24	5	11	15	6.8	0.0	0.0
Greenville, Me	1,070	6																														
Portland, Me	103	82	117	29.85	29.97	.00	52.7	−.6	76	27	60	38	11	46	25	49	45	80	5.82	+2.4	16	8.7	s.	26	s.	17	12	3	16	6.1	T	.0
Concord	288	54	72	29.58	29.95	−.03	55.9	+1.6	83	27	66	32	10	45	37	50	45	72	6.24	+3.2	15	5.9	ne.	22	nw.	7	8	10	13	6.2	.0	.0
Burlington	403	11	48	29.48	29.92	−.05	56.0	−.5	78	22	66	30	13	46	30	51	46	69	4.78	+1.9	16	7.5	s.	26	se.	2	5	8	18	6.8	.0	.0
Northfield	876	12	60	29.00	29.95	−.02	53.6	+.8	79	27	65	24	13	42	38	49	44	72	7.54	+4.8	14	7.6	sw.	25	s.	2	6	7	18	6.9	.0	.0
Boston [1]	125	106	165	29.91	29.94	−.04	56.2	−.9	75	19	64	43	13	49	26	50	45	71	3.28	+.1	14	11.7	s.	32	s.	11	4	12	15	7.0	.0	.0
Nantucket	12	14	90	29.94	29.95	−.04	53.7	+1.4	70	21	60	41	10	47	23	50	48	86	1.52	−1.3	15	14.1	s.	35	ne.	23	4	9	18	7.4	.0	.0
Block Island	26	11	46		29.94	−.05	53.1	+.3	70	14	60	42	13	47				88	3.31	−.2	15	13.9	s.	32	s.	2	7	12	12		.0	.0
Providence [2]	62	215	251	29.89	29.96	−.02	56.6	−1.9	75	7	64	43	12	49	26	51	47	80	5.01	+2.0	14	11.4	s.	37	nw.	7	5	11	15	7.0	.0	.0
Hartford [6]	159	122		29.97	29.93	−.05	58.0	+.5	80	15	68	36	13	48	35	52	48	75	7.04	+3.4	17	9.2	ne.	30	nw.	7	1	9	21	8.1	.0	.0
New Haven [1]	13	74	68	29.92	29.94	−.05	58.0	+.1	79	7	66	45	12	50	27	52	48	77	6.97	+3.3	16	8.9	n.	22	ne.	24	2	13	16	7.5	.0	.0
Middle Atlantic States							61.6	−0.4										72	4.18	+0.8										6.9		
Albany [1]	292	26	40	29.60	29.92	−.06	58.4	−.9	85	15	68	34	13	48	37	52	46	69	3.68	+.8	16	8.4	s.	33	nw.	7	4	8	19	7.7	.0	.0
Binghamton	871	57	79	29.00	29.93	−.05	58.2	+.8	88	15	68	30	12	48	42	51	47	71	3.71	+.4	16	6.3	se.	22	se.	19	1	10	20	7.8	.0	.0
New York	314	415	454	29.57	29.90	−.09	59.6	−1.0	79	14	67	42	12	52	22	53	47	70	6.84	+4.6	17	11.5	ne.	38	n.	7	4	8	19	7.4	.0	.0
Harrisburg [1]	374	94	104	29.53	29.91	−.07	62.0	+.2	92	14	72	42	10	52	40	54	49	69	3.56	+.1	18	8.9	e.	35	s.	15	3	10	18	7.1	.0	.0
Philadelphia	114	174	367	29.80	29.92	−.07	62.4	−.5	88	15	71	43	12	54	29	56	52	75	4.89	+1.6	17	12.7	ne.	34	s.	1	3	9	19	7.1	.0	.0
Reading	323	283	306	29.57	29.91		61.7	−.8	89	14	71	40	12	52	35	54	48	66	2.70	−1.0	16	11.4	se.	42	e.	31	8	9	14	6.3	.0	.0
Scranton	805	72	104	29.06	29.91	−.07	59.0	−.4	87	15	68	37	12	50	35	51	45	66	2.98	−.3	15	6.5	n.	26	nw.	11	3	10	18	7.2	.0	.0
Atlantic City	52	37	172	29.86	29.92	−.06	57.4	−.7	85	7	64	43	12	51	32	53	49	80	4.69	+1.6	14	17.3	s.	46	e.	31	2	14	15	7.2	.0	.0
Sandy Hook	22	10	57	29.90	29.92		57.5	−.9	79	14	64	45	12	52	26	53	50	82	5.39	+1.7	18	12.2	e.	34	s.	16	4	9	18	7.4	.0	.0
Trenton	190	89	107	29.71	29.91		61.0	−.1	88	15	70	41	12	52	32	54	49	71	5.93	+2.8	16	9.1	s.	26	s.	15	2	10	19	7.7	.0	.0
Baltimore [3]	16	100	215	29.89	29.91	−.08	64.4	.0	91	14	73	45	12	56	32	56	52	74	4.41	+.9	17	11.1	ne.	37	nw.	20	4	12	15	7.0	.0	.0
Washington	112	62	85	29.78	29.90	−.10	64.4	+.7	92	14	74	43	12	55	38	56	50	66	3.10	−.6	10	7.3	nw.	23	nw.	13	4	12	15	6.6	.0	.0
Cape Henry	18	8	54	29.89	29.91		64.2	.0	90	14	72	43	11	57	35	58	55	78	3.36	−.2	14	11.9	sw.	34	e.	30	8	12	11	6.1	.0	.0
Lynchburg	686	144	184	29.28	29.92	−.08	66.4	−.9	95	7	78	44	4	55	42	57	50	62	2.73	−.9	11	7.7	nw.	34	sw.	8	8	15	8	5.7	.0	.0
Norfolk [2]	91	80	125	29.82	29.92	−.08	66.3	+.1	91	14	75	45	4	58	31	59	55	73	3.64	−.2	13	10.3	s.	29	n.	22	7	8	16	6.8	.0	.0
Richmond [2]	164	11	52	29.73	29.90	−.09	66.3	−.1	94	7	76	43	12	56	37	58	54	74	4.65	+.9	13	8.0	sw.	25	sw.	1	8	11	12	5.9	.0	.0
Wytheville	2,304	49	55	27.55	29.93	−.06	59.0	−2.4	88	8	71	33	4	47	37	52	47	70	4.84	+1.2	16	6.7	w.	25	sw.	15	5	15	11	6.3	T	.0

See footnotes at end of table.

TABLE 2.—*Climatological data for Weather Bureau stations, May 1940*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01 inch or more	Wind: Average hourly velocity	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.
South Atlantic States							68.5	−1.7										68	3.17	−0.3										4.4		
Asheville	2,253	89	104	27.63	29.94	−0.05	62.2	−0.4	89	8	75	34	5	49	43	52	46	64	1.99	−1.4	9	7.8	nw.	27	nw.	9	10	12	9	4.9	0.0	0.0
Charlotte [2]	769	63	86	29.11	29.92	−.07	67.9	−1.0	96	8	79	39	4	56	35	58	52	67	3.92	+.3	13	7.1	sw.	26	nw.	9	7	11	13	5.7	.0	.0
Greensboro [1]	886	6	56	29.00	29.92	----	65.2	----	94	8	78	34	5	52	41	57	52	69	5.99	----	12	7.9	sw.	38	sw.	26	5	17	9	6.1	.0	.0
Hatteras	11	5	50	29.91	29.92	−.09	65.2	−3.5	79	27	71	49	12	60	21	62	60	84	11.69	+8.0	14	13.3	sw.	34	n.	12	11	7	13	5.6	.0	.0
Raleigh [2]	358	103	146	29.54	29.92	−.07	68.0	−.5	95	8	79	44	5	57	32	59	54	68	3.51	−.3	14	8.6	sw.	28	n.	8	14	14	3	4.0	.0	.0
Wilmington	72	73	107	29.86	29.93	−.08	68.6	−2.2	88	23	78	44	5	60	26	61	57	72	3.24	−.2	9	10.5	sw.	32	sw.	1	12	13	6	4.3	.0	.0
Charleston	48	11	92	29.90	29.95	−.06	70.2	−2.5	84	26	78	47	5	62	23	63	58	70	2.01	−1.0	9	10.4	s.	25	nw.	4	18	8	5	3.2	.0	.0
Columbia, S. C. [2]	225	70	91	29.70	29.93	−.07	69.4	−2.5	95	8	81	42	5	58	35	59	53	63	1.90	−1.2	8	8.5	s.	27	sw.	24	15	10	6	4.2	.0	.0
Greenville, S. C.	1,040	70	78	28.83	29.92	----	66.9	−.3	94	8	79	41	5	55	36	57	49	58	1.80	−2.2	11	7.5	sw.	26	sw.	2	13	9	9	4.5	.0	.0
Augusta [2]	426	62	77	29.48	29.93	−.06	70.4	−2.0	95	8	83	41	5	58	36	59	52	60	1.59	−1.4	10	6.0	nw.	24	n.	9	14	12	5	4.1	.0	.0
Savannah [2]	51	73	152	29.90	29.95	−.05	72.2	−1.2	94	23	83	48	4	62	29	62	58	71	.92	−2.1	7	10.5	sw.	39	w.	24	18	7	6	3.2	.0	.0
Jacksonville	43	86	110	29.92	29.97	−.03	72.8	−2.2	93	22	83	49	5	62	27	63	59	71	2.28	−1.7	9	8.0	sw.	21	sw.	3	17	11	3	3.3	.0	.0
Florida Peninsula							76.3	−1.0										72	4.45	+0.2										4.2		
Key West [2]	21	10	64	29.96	29.97	.00	78.1	−1.0	89	26	84	66	5	72	17	71	68	75	1.93	−1.6	5	9.5	e.	22	nw.	4	11	13	7	4.4	.0	.0
Miami	25	124	168	29.95	29.98	−.01	76.1	−.3	92	22	83	59	5	69	24	68	64	70	11.11	+4.9	6	9.3	se.	28	s.	30	10	13	8	5.2	.0	.0
Tampa [2]	11	88	197	29.97	29.98	−.01	74.6	−1.7	90	17	84	55	5	66	26	66	63	71	.31	−2.7	3	10.2	w.	24	nw.	4	21	8	2	3.1	.0	.0
East Gulf States							70.6	−1.9										67	1.83	−2.0										3.6		
Atlanta [1]	976	5	72	28.92	29.93	−.06	67.9	−2.0	94	8	80	40	4	56	40	57	50	59	2.03	----	10	9.8	nw.	42	nw.	26	14	11	6	4.2	.0	.0
Macon [2]	464	79	87	29.44	29.93	−.06	70.4	−1.9	95	7	83	43	4	58	37	58	51	57	.88	−2.1	8	6.5	nw.	25	nw.	26	16	10	5	3.8	.0	.0
Thomasville	273	49	58	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Apalachicola	35	11	51	29.94	29.97	----	71.8	−2.8	87	30	80	54	3	64	22	65	62	73	1.08	−2.3	5	7.6	w.	26	se.	1	18	9	4	3.2	.0	.0
Pensacola	56	54	79	29.92	29.98	−.01	72.4	−1.5	87	23	81	53	3	64	27	64	60	70	1.24	−2.1	4	7.4	w.	25	w.	2	22	9	0	2.3	.0	.0
Anniston	741	9	----	----	----	----	66.9	−1.5	91	19	80	37	4	54	40	----	----	----	4.35	----	9	----	sw.	----	----	----	17	7	7	----	.0	.0
Birmingham [2]	630	11	48	29.30	29.96	−.02	68.0	−3.1	91	22	79	40	4	57	33	58	52	66	3.02	−.9	11	6.2	nw.	22	s.	1	12	15	4	4.0	.0	.0
Mobile [2]	29	86	161	29.94	29.98	−.01	72.2	−2.2	88	22	82	54	2	63	29	64	60	77	4.37	.0	7	9.2	s.	27	nw.	2	19	6	6	3.2	.0	.0
Montgomery [2]	237	92	105	29.71	29.96	−.03	71.2	−2.2	93	22	82	47	4	60	32	60	55	65	1.43	−2.4	9	6.9	n.	24	nw.	3	19	8	4	3.2	.0	.0
Meridian [2]	310	67	92	29.64	29.97	−.01	69.6	−1.7	91	21	82	47	2	58	35	60	56	72	1.70	−2.6	6	5.6	sw.	20	nw.	2	17	9	5	3.2	.0	.0
Vicksburg	247	82	102	29.70	29.96	−.01	71.1	−1.8	88	21	81	52	2	61	28	61	55	63	1.97	−2.4	5	7.5	sw.	27	w.	23	14	8	9	4.3	.0	.0
New Orleans [2]	30	76	84	29.94	29.97	.00	74.9	−.5	89	17	83	59	2	67	23	66	61	67	.78	−3.8	4	6.2	se.	20	nw.	2	17	9	5	3.7	.0	.0
Port Eads, La.	9	4	35	----	----	----	72.3	----	86	28	79	57	2	66	20	----	----	----	1.79	−1.6	5	8.1	w.	30	----	28	----	----	----	4.0	.0	.0
West Gulf States							73.1	−0.9										72	3.36	−0.7										5.0		
Shreveport [2]	181	92	227	29.77	29.96	+.01	71.9	−1.7	89	5	82	54	24	62	30	63	59	72	4.46	+.2	7	10.4	s.	34	nw.	23	18	7	6	3.6	.0	.0
Bentonville	1,303	12	51	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Fort Smith	463	57	82	29.49	29.96	+.03	68.5	−1.1	90	6	79	47	2	58	30	58	51	60	2.70	−2.1	9	7.7	e.	26	sw.	5	16	7	8	4.4	.0	.0
Little Rock [2]	265	94	102	29.68	29.96	+.01	67.5	−2.8	88	5	77	48	1	58	30	59	55	71	3.10	−1.7	8	8.2	nw.	27	nw.	24	15	8	8	4.5	.0	.0
Austin [2]	605	68	90	29.28	29.93	----	74.5	−.1	94	18	85	53	2	64	38	64	60	68	2.12	−2.5	7	7.9	s.	31	sw.	17	9	16	6	5.0	.0	.0
Brownsville [2]	20	88	96	29.90	29.92	----	77.6	−1.0	90	31	85	62	25	70	26	70	67	79	2.40	+.1	8	11.6	se.	27	nw.	9	9	12	10	5.6	.0	.0
Corpus Christi [2]	44	11	78	29.88	29.93	+.03	76.0	−.2	87	3	82	60	25	70	23	69	67	82	4.17	+1.0	6	12.5	se.	43	w.	23	11	12	8	5.1	.0	.0
Dallas [2]	488	220	227	29.42	29.93	----	71.0	----	90	3	80	55	24	62	26	63	58	69	6.26	+1.8	9	12.2	s.	33	w.	18	10	12	9	5.3	.0	.0
Fort Worth [1]	706	35	56	29.20	29.94	+.03	71.6	−.7	92	3	82	52	2	61	33	62	57	67	7.15	+2.5	7	11.9	s.	35	w.	18	8	10	13	6.1	.0	.0
Galveston [2]	9	106	114	29.95	29.96	+.02	73.8	−1.0	82	30	78	62	24	69	14	68	65	79	.83	−2.6	7	11.1	s.	28	nw.	18	12	12	7	4.6	.0	.0
Houston [2]	62	157	190	29.89	29.96	----	75.0	−.5	91	3	84	58	24	66	29	65	62	77	2.22	−2.3	6	10.5	se.	37	se.	18	10	8	13	5.3	.0	.0
Palestine	510	64	72	29.43	29.96	+.03	71.6	−1.1	88	16	81	54	24	62	26	62	57	67	3.21	−1.3	8	7.5	s.	20	s.	18	9	11	11	5.5	.0	.0
Port Arthur	34	59	134	29.93	29.97	----	74.2	----	86	31	82	58	2	67	23	----	----	----	.88	−3.2	7	12.3	s.	34	se.	1	9	14	8	4.9	.0	.0
San Antonio [2]	582	111	301	29.32	29.92	+.02	75.6	+.5	94	4	86	56	2	65	34	67	62	68	4.19	+1.0	8	12.0	se.	56	w.	28	7	13	11	5.6	.0	.0
Ohio Valley and Tennessee							62.1	−2.8										68	3.94	+0.2										6.2		
Chattanooga [2]	688	71	214	29.22	29.94	−0.05	67.4	−1.4	94	7	79	42	4	56	39	57	52	67	3.10	−.7	9	8.4	w.	26	w.	1	13	12	6	4.5	.0	.0
Knoxville [2]	980	66	84	28.90	29.93	−.06	65.4	−1.8	93	8	77	40	5	54	39	56	53	63	5.13	+1.4	10	5.7	w.	25	w.	3	14	11	6	4.1	.0	.0
Memphis [2]	284	78	86	29.65	29.94	−.02	68.0	−2.6	87	17	77	44	4	59	28	58	53	65	1.74	−2.4	8	7.8	sw.	24	sw.	19	13	9	9	4.8	.0	.0
Nashville [2]	605	168	188	29.30	29.94	−.04	64.8	−3.4	91	6	75	38	4	54	32	56	50	66	3.32	−.6	7	8.6	w.	34	sw.	18	15	9	7	4.5	.0	.0
Lexington	989	6	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Louisville [2]	545	106	120	29.34	29.92	−.06	62.6	−4.0	89	7	72	36	4	54	30	54	48	68	2.49	−1.2	15	9.5	sw.	34	sw.	19	11	12	8	5.5	T	.0
Evansville	431	76	116	29.46	29.93	−.04	63.3	−3.4	88	7	72	39	2	54	29	55	49	64	2.49	−1.4	12	9.5	sw.	34	sw.	14	7	13	11	6.2	.0	.0
Indianapolis [2]	808	98	129	29.04	29.90	−.07	59.6	−3.3	86	7	68	33	4	51	29	52	49	76	4.30	+.4	15	8.5	w.	28	nw.	1	3	7	21	7.5	T	.0
Terre Haute	575	63	149	29.29	29.90	----	60.3	----	88	7	70	35	4	51	30	52	47	67	3.62	−.2	15	9.7	sw.	30	nw.	1	1	14	16	7.4	T	.0
Cincinnati [2]	497	11	51	29.38	29.91	−.08	60.4	−2.7	89	8	70	34	4	51	32	53	48	69	3.97	+.3	15	8.0	sw.	24	w.	6	4	12	15	7.0	.0	.0
Columbus	833	90	110	29.02	29.90	−.08	59.2	−3.1	88	22	69	35	3	49	36	51	46	70	4.65	+1.1	14	10.4	s.	43	s.	19	3	14	14	7.0	T	.0
Dayton	900	186	213	28.95	29.90	----	58.7	−3.9	84	8	68	34	2	50	34	52	47	70	6.44	+2.8	17	10.6	sw.	37	s.	19	4	14	13	6.8	T	.0
Elkins [2]	2,006	61	78	27.84	29.94	−.06	57.5	−1.7	88	19	70	29	12	45	47	50	46	74	5.97	+1.9	18	6.0	w.	28	w.	6	4	10	17	7.4	T	.0
Parkersburg	637	77	84	29.23	29.91	−.08	61.4	−2.4	91	8	73	36	5	50	39	52	46	65	3.77	+.4	13	6.1	sw.	22	sw.	6	7	11	13	6.3	.0	.0
Pittsburgh [1]	1,273	39	54	28.57	29.91	−.08	59.4	−3.0	89	19	70	36	3	49	36	51	45	66	4.14	+.9	17	10.0	sw.	42	nw.	19	1	15	15	7.7	T	.0
Lower Lake Region							56.4	−1.0										73	3.62	+0.4										7.1		
Buffalo [2]	706	243	280	29.15	29.92	−.05	53.0	−1.6	82	15	62	34	4	44	39	49	46	78	3.51	+.4	19	11.8	sw.	52	w.	19	5	7	19	7.2	.0	.0
Canton	448	10	61	29.43	29.90	----	56.8	+.6	83	22	68	27	12	46	36	51	46	69	2.50	−.5	15	7.4	w.	29	sw.	15	5	6	20	7.4	T	.0
Ithaca	836	77	100	29.01	29.91	----	58.0	+.5	87	15	68	33	12	48	36	----	----	----	5.35	+2.0	17	8.4	se.	30	s.	15	4	9	18	7.1	.0	.0
Oswego	335	71	85	29.55	29.92	−.05	54.6	−.6	81	15	63	35	12	46	29	50	45	74	3.05	.0	15	8.1	se.	22	e.	15	9	6	16	6.4	.0	.0
Rochester [2]	555	86	102	29.32	29.92	−.05	57.8	+.7	86	15	66	38	12	49	31	51	47	75	2.75	−.2	17	7.4	nw.	37	w.	15	4	6	21	7.7	.0	.0
Syracuse [2]	408	65	79	29.48	29.92	−.06	58.4	+.7	87	15	67	34	12	50	36	52	47	73	4.08	+1.1	17	7.1	e.	21	nw.	7	4	9	18	7.2	.0	.0
Erie	714	57	81	29.13	29.90	−.08	56.0	−.8	88	19	64	36	3	48	39	50	47	75	4.72	+1.3	17	6.9	sw.	33	s.	19	7	9	15	6.7	T	.0
Cleveland [2]	805	267	318	29.04	29.90	−.08	56.0	−1.9	85	14	64	36	4	48	33	50	44	70	3.60	+.5	17	12.8	sw.	61	sw.	19	4	13	14	7.0	.0	.0
Sandusky	629	5	67	29.21	29.89	−.09	57.2	−2.0	88	14	66	35	3	48	30	----	----	----	3.43	+.3	17	8.9	sw.	28	sw.	19	5	10	16	7.0	T	.0
Toledo [2]	628	79	87	29.21	29.89	−.08	57.0	−2.4	86	14	65	33	2	49	27	51	47	75	3.73	+.2	15	10.2	w.	30	w.	15	6	14	11	6.1	T	.0
Fort Wayne [2]	828	69	84	29.00	29.89	----	56.8	−2.5	84	13	66	32	2	48	28	50	46	73	3.18	−.7	16	9.7	sw.	28	se.	1	2	13	16	7.5	.5	.0
Detroit [1]	626	5	78	29.22	29.90	−.07	55.7	−2.3	86	14	65	33	2	46	33	50	45	71	3.56	+.4	16	9.8	sw.	35	sw.	19	2	12	17	7.4	T	.0

See footnotes at end of table.

TABLE 2.—*Climatological data for Weather Bureau stations, May 1940*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01 inch or more	Wind: Average hourly velocity	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.
Upper Lake Region							51.0	−1.6										75	3.78	+0.5										7.3		
Alpena	609	13	89	29.23	29.90	−0.07	50.0	−0.5	74	6	58	32	4	42	28	45	42	78	2.46	−0.6	14	10.6	nw.	36	se.	5	4	7	20	7.5	T	0.0
Escanaba	612	51	72	29.25	29.92	−.07	48.4	−1.2	71	31	56	29	4	41	26	44	40	77	3.61	+.7	16	11.7	n.	34	n.	1	6	10	15	7.0	0.4	.0
Grand Rapids [2]	689	70	244	29.12	29.86	−.11	55.8	−2.2	86	13	65	31	2	47	30	49	45	76	4.06	+.6	21	10.7	sw.	45	sw.	12	3	11	17	7.3	.8	.0
Lansing	878	5	90	28.94	29.88	-----	54.8	−2.1	85	14	64	32	2	45	32	50	46	77	4.66	+1.2	20	8.4	sw.	32	s.	1	3	12	16	6.9	T	.0
Marquette	734	44	69	29.12	29.92	−.05	45.4	−3.6	72	12	52	29	1	39	30	41	37	77	4.37	+1.4	14	8.1	nw.	23	nw.	1	6	9	16	7.0	2.4	.0
Sault Sainte Marie [2]	724	11	52	29.11	29.90	−.05	49.0	.0	76	29	58	30	4	41	31	43	39	75	2.76	−.3	14	8.1	nw.	30	nw.	6	3	8	20	7.6	T	.0
Chicago	673	7	131	29.17	29.90	−.06	54.1	−3.4	85	14	61	31	2	47	28	48	44	76	5.16	+1.6	17	10.5	n.	30	w.	14	3	9	19	7.7	2.2	.0
Green Bay	617	109	141	29.21	29.88	−.07	52.7	−2.2	81	12	61	29	1	44	30	47	42	70	3.38	+.1	12	11.5	n.	27	n.	1	1	11	19	7.8	3.5	.0
Milwaukee [2]	698	97	221	29.14	29.90	−.06	52.2	−1.9	82	14	60	30	1	44	35	46	43	79	3.80	+.4	14	12.4	n.	36	sw.	14	2	10	19	7.7	T	.0
Duluth	1,133	5	47	28.72	29.95	−.01	47.9	+.6	84	12	57	24	1	39	37	42	36	68	3.52	+.3	14	11.4	ne.	39	ne.	14	7	9	15	6.4	.7	.0
North Dakota							55.2	+1.1										62	1.73	−0.6										5.0		
Moorhead, Minn. [2]	899	50	58	28.83	29.96	+.02	55.0	−.1	86	31	67	30	2	43	43	47	40	62	1.40	−1.5	9	8.7	n.	27	w.	5	14	8	9	5.0	.0	.0
Bismarck [1]	1,660	4	41	28.22	29.99	+.07	55.6	+1.1	91	11	70	26	1	41	47	48	40	62	1.04	−1.3	7	10.6	nw.	38	w.	5	7	19	5	5.4	.0	.0
Devils Lake	1,478	11	44	28.41	29.98	+.04	53.0	+.4	86	11	65	27	1	41	40	46	39	65	1.93	−.1	11	8.5	n.	33	n.	5	7	14	10	6.2	T	.0
Lemmon, S. Dak	1,457	11	71	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Grand Forks	832	12	67	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Williston	1,878	42	50	28.00	29.97	+.04	57.1	+3.1	91	11	70	30	1	44	39	48	40	60	2.54	+.5	8	7.3	se.	25	e.	13	19	9	3	3.5	T	.0
Upper Mississippi Valley							59.2	−2.4										66	2.40	−1.7										6.3		
Minneapolis, St. Paul, Minn. [1]	838	32	61	29.02	29.92	−.02	56.0	−1.7	87	12	67	30	1	45	36	48	41	63	1.64	−2.0	14	10.6	n.	34	ne.	14	9	6	16	6.3	T	.0
Springfield, Minn	1,025	4	42	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
La Crosse [2]	672	11	48	29.18	29.90	−.04	57.4	−1.9	90	12	68	33	1	47	33	49	43	68	3.06	−.7	9	5.7	n.	28	n.	2	4	9	18	7.3	T	.0
Madison [2]	866	70	78	28.97	29.90	−.06	54.6	−3.0	84	13	63	30	2	46	28	49	44	73	3.39	−.5	14	8.5	n.	24	sw.	12	2	11	18	7.6	.8	.0
Charles City	1,015	10	51	28.84	29.93	−.01	56.5	−1.3	90	13	68	31	3	45	36	49	42	65	2.64	−1.7	11	6.3	nw.	23	sw.	12	11	10	10	5.2	T	.0
Davenport [2]	606	66	161	29.26	29.91	−.04	59.3	−2.0	89	13	70	36	1	49	32	51	44	63	1.46	−2.5	9	10.3	ne.	29	nw.	2	5	14	12	6.8	T	.0
Des Moines [2]	963	5	99	28.89	29.92	−.01	59.4	−1.9	92	13	70	33	1	48	39	50	44	64	2.08	−2.5	8	10.1	n.	31	nw.	14	10	8	13	6.0	T	.0
Dubuque	699	60	79	29.15	29.90	−.05	57.8	−2.5	90	13	68	35	1	48	34	50	44	65	3.00	−1.2	12	6.5	nw.	24	nw.	2	6	6	19	7.2	T	.0
Keokuk	614	64	78	29.26	29.91	−.03	60.8	−3.0	89	13	71	35	1	51	32	52	45	62	1.28	−2.6	6	8.0	nw.	26	nw.	2	8	11	12	5.9	T	.0
Cairo	358	87	93	29.56	29.93	−.03	64.8	−3.6	88	6	74	42	4	56	29	56	49	62	1.92	−1.8	10	8.2	sw.	25	s.	14	7	12	12	5.7	.0	.0
Peoria [2]	662	11	45	29.20	29.91	−.05	58.9	−2.8	89	13	69	33	1	48	32	52	47	72	3.55	−.5	15	6.0	n.	26	w.	14	9	13	9	5.5	T	.0
Springfield, Ill. [2]	613	5	191	29.25	29.91	−.04	61.4	−1.8	90	13	72	36	1	51	34	53	49	73	3.37	−1.0	15	11.2	n.	43	w.	14	5	7	19	7.2	.2	.0
St. Louis [5]	564	179	303	29.32	29.92	−.03	64.0	−3.0	91	7	73	38	1	54	34	54	46	58	1.46	−2.9	9	11.7	nw.	31	sw.	14	10	12	9	5.1	.0	.0
Missouri Valley							61.4	−0.5										60	2.20	−1.9										5.0		
Columbia, Mo [2]	785	6	66	29.10	29.93	−.01	62.4	−1.9	91	13	74	37	1	51	33	54	48	67	3.32	−1.1	8	7.7	n.	21	nw.	1	10	14	7	4.7	T	.0
Kansas City [1]	750	38	76	29.14	29.94	+.02	63.6	−1.2	90	13	74	40	2	53	32	55	48	63	4.33	−.3	8	10.1	nw.	30	nw.	15	11	12	8	4.9	.0	.0
St. Joseph [2]	817	11	49	29.07	29.94	-----	62.8	−1.4	89	13	74	38	1	52	33	54	49	68	3.52	−1.2	6	8.3	nw.	30	w.	14	15	9	7	4.1	T	.0
Springfield, Mo. [2]	1,360	5	78	28.52	29.94	+.01	61.6	−2.9	86	5	73	36	1	50	36	54	48	65	2.16	−3.0	5	8.5	nw.	28	s.	5	14	10	7	4.7	.0	.0
Topeka	987	65	87	28.89	29.93	-----	64.4	+.1	97	5	76	38	2	53	37	54	47	57	4.01	−.5	4	9.2	nw.	28	nw.	1	9	14	8	5.4	.0	.0
Lincoln [2]	1,189	11	81	28.69	29.94	+.03	61.2	−.5	95	13	74	35	2	49	37	50	42	57	.98	−3.1	5	9.9	n.	36	nw.	14	9	13	9	5.4	.0	.0
Omaha [1]	982	31	44	28.90	29.95	+.03	61.3	−1.1	95	13	73	36	1	49	37	51	43	56	1.26	−2.5	6	11.1	n.	40	nw.	14	7	13	11	5.9	.0	.0
Valentine	2,598	46	54	27.28	29.97	+.07	57.5	+1.3	93	31	72	28	15	43	40	47	38	55	.21	−2.6	2	9.2	n.	35	nw.	13	12	12	7	4.7	.0	.0
Sioux City [2]	1,138	64	106	28.78	29.95	+.03	60.8	+.4	93	13	72	33	1	49	35	51	42	57	1.66	−2.4	6	10.2	n.	37	nw.	14	7	14	10	5.6	.0	.0
Huron [1]	1,289	26	41	28.59	29.97	+.05	58.2	+1.8	92	31	72	30	1	44	42	49	41	59	.50	−2.5	4	13.3	n.	43	n.	14	13	14	4	4.6	.0	.0
Northern Slope							57.0	+4.6										54	1.09	−1.2										5.2		
Billings [1]	3,570	18	39	26.33	29.97	-----	59.9	-----	92	31	74	36	14	46	39	47	36	48	.84	-----	5	10.2	sw.	47	nw.	4	5	16	10	5.8	.0	.0
Havre	2,507	11	67	27.35	29.96	+.06	59.3	+5.9	87	10	74	34	14	45	41	48	37	52	1.67	−.4	8	8.4	w.	38	w.	30	14	14	3	4.2	.0	.0
Helena	4,124	85	111	26.03	29.98	+.05	57.1	+5.5	88	10	72	32	7	42	45	46	37	54	1.37	−.9	9	8.6	w.	40	sw.	4	4	13	14	6.6	T	.0
Missoula [2]	3,189	80	91	-----	-----	-----	58.3	+5.5	90	10	73	32	7	44	42	47	38	62	.88	−1.1	8	6.4	nw.	36	n.	16	8	14	9	5.4	.0	.0
Kalispell	2,973	48	56	26.94	29.98	+.10	56.0	+4.6	85	10	70	32	7	42	40	46	36	54	1.08	−.4	12	6.4	w.	29	sw.	2	9	10	12	5.6	.0	.0
Miles City [2]	2,634	48	55	27.24	29.97	+.06	60.4	+3.7	94	31	73	34	1	48	38	45	41	57	1.65	−.6	9	6.9	s.	32	nw.	13	5	18	8	5.4	.0	.0
Rapid City [2]	3,218	50	58	26.68	29.99	+.09	57.9	+3.9	92	11	71	34	15	45	41	47	37	52	.42	−3.1	4	8.4	n.	33	nw.	13	20	5	6	3.5	.0	.0
Cheyenne [1]	6,144	5	39	24.00	29.95	+.10	53.9	+3.6	84	31	68	27	1	39	43	43	33	54	1.29	−1.1	8	10.2	nw.	42	nw.	13	7	11	13	6.2	T	.0
Lander	5,352	60	68	24.68	29.93	+.05	56.4	+5.2	85	31	71	31	7	42	40	44	33	50	1.23	−1.0	8	5.7	sw.	32	sw.	4	9	13	9	5.5	.0	.0
Sheridan [1]	3,790	10	47	25.96	29.98	-----	56.3	-----	92	31	73	31	1	40	47	46	37	56	.67	−2.0	8	5.5	nw.	25	se.	4	10	13	8	5.4	.0	.0
Yellowstone Park	6,241	12	46	23.94	30.06	+.15	50.6	+6.0	75	10	65	24	7	36	38	40	31	55	1.03	−.8	7	7.7	sw.	28	sw.	4	8	18	5	5.1	T	.0
North Platte [2]	2,787	11	51	27.09	29.95	+.07	60.5	+1.8	90	31	75	30	15	46	45	48	39	56	.66	−2.1	2	7.7	n.	27	nw.	14	15	13	3	3.5	.0	.0
Middle Slope							63.7	+1.2										60	3.15	−0.2										5.0		
Denver [2]	5,332	106	113	24.73	29.95	+.11	59.4	+3.2	86	31	71	34	1	48	34	46	37	54	1.55	−.7	8	7.0	s.	30	nw.	13	8	8	15	6.3	.0	.0
Pueblo [2]	4,806	79	86	25.19	29.92	+.09	61.5	+2.3	90	3	75	34	1	48	40	49	40	56	1.76	+.2	10	6.2	e.	34	nw.	13	9	14	8	5.1	.0	.0
Concordia	1,392	50	58	28.49	29.95	+.04	62.8	−.4	93	13	75	38	15	51	36	53	46	59	1.49	−2.7	4	8.0	n.	26	nw.	14	13	12	6	4.4	.0	.0
Dodge City	2,509	10	86	27.36	29.93	+.06	63.8	+.3	89	5	76	40	1	52	37	54	47	60	4.41	+1.5	9	11.3	ne.	35	ne.	30	13	8	10	4.9	.0	.0
Wichita [2]	1,392	85	93	28.48	29.93	+.03	65.6	+.5	96	5	76	42	15	55	31	57	51	67	5.82	+1.4	7	9.8	s.	25	sw.	13	17	8	6	3.8	.0	.0
Oklahoma City [2]	1,304	10	47	28.57	29.92	+.03	69.0	+1.3	94	5	80	47	1	58	33	59	52	64	3.89	−1.0	9	8.9	s.	25	s.	4	13	8	10	5.2	.0	.0
Chadron, Nebr	3,439	4	58	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Southern Slope							71.0	+0.4										56	2.68	0.0										4.4		
Abilene [2]	1,750	10	56	28.11	29.89	+.02	73.2	+1.2	97	4	85	51	10	62	33	61	54	61	1.57	−2.4	9	10.7	s.	28	sw.	27	11	15	5	4.7	.0	.0
Amarillo [2]	3,604	10	49	26.31	29.90	+.06	66.8	+2.7	98	5	79	45	1	54	39	54	46	61	2.68	−.1	9	9.3	se.	32	ne.	13	15	13	3	3.8	.0	.0
Del Rio	960	63	71	28.89	29.86	+.01	75.5	−1.5	94	4	86	56	24	65	29	65	59	61	3.77	+.9	7	9.7	se.	29	nw.	28	9	13	9	5.5	.0	.0
Roswell	3,566	75	85	26.34	29.89	+.07	68.4	−1.0	96	4	83	43	2	54	45	54	42	49	2.71	+1.6	5	7.7	s.	38	n.	8	14	10	7	4.4	.0	.0
Southern Plateau							69.3	+4.3										38	0.55	0.0										3.6		
El Paso [2]	3,916	82	101	26.00	29.82	+.04	73.8	+2.3	96	31	87	51	11	60	38	52	34	33	.43	+.1	5	8.6	w.	25	n.	18	15	15	1	3.2	.0	.0
Albuquerque [1]	5,314	5	34	24.74	29.84	-----	65.5	+2.2	89	31	80	37	8	51	36	49	33	38	1.71	+1.1	4	8.9	se.	50	se.	8	11	14	6	4.6	.0	.0
Santa Fe	7,013	38	53	23.28	29.91	+.10	58.1	+2.4	82	31	71	36	1	45	35	44	32	46	1.54	+.3	10	6.1	e.	25	n.	8	5	21	5	5.0	.0	.0
Flagstaff	6,907	10	59	23.37	29.85	+.07	54.3	+3.6	80	14	72	32	4	37	42	41	29	48	.15	−1.0	3	8.6	nw.	30	nw.	22	8	19	4	4.7	.0	.0
Phoenix [2]	1,112	39	87	28.65	29.77	−.01	81.5	+6.5	104	14	97	59	1	66	40	57	35	25	.01	−.1	1	6.3	e.	26	nw.	20	21	6	4	3.2	.0	.0
Yuma	142	9	54	29.64	29.78	−.01	81.7	+5.5	105	14	99	55	6	64	42	61	45	36	.00	.1	0	4.9	sw.	17	w.	16	29	2	0	.8	.0	.0
Independence	3,957	5	26	-----	-----	-----	70.3	+7.2	92	20	86	46	5	55	38	49	28	-----	T	−2	0	-----	sw.	22	n.	16	-----	-----	-----	-----	.0	.0

See footnotes at end of table.

TABLE 2.—*Climatological data for Weather Bureau stations, May 1940*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01 inch or more	Wind: Average hourly velocity	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.
Middle Plateau							63.1	+7.1										39	0.01	−0.9										4.1		
Reno [1]	4,400	61	76	25.56	29.92	+0.01	61.4	+7.2	85	23	76	34	5	46	40	46	35	51	0.03	−0.6	1	7.0	w.	25	sw.	4	20	11	0	3.0	0.0	0.0
Tonopah	6,090	12	20	----	----	----	63.4	----	84	24	76	33	5	50	31	46	30	---	T	----	0	----	se.	---	----	---	---	---	---	3.2	.0	.0
Winnemucca	4,344	18	56	25.38	29.91	.00	61.6	+7.7	89	24	80	35	5	44	50	45	30	39	.03	−.8	3	7.7	ne.	27	sw.	11	10	15	6	4.8	.0	.0
Modena	5,473	10	46	24.59	29.85	+.03	59.2	+5.7	84	14	77	33	19	41	45	43	26	34	T	−.8	0	10.4	sw.	34	sw.	23	8	14	9	5.5	.0	.0
Salt Lake City [1]	4,227	86	210	25.70	29.88	+.02	66.0	+8.6	88	31	79	43	5	53	37	48	35	40	.01	−1.9	1	8.5	nw.	37	nw.	4	16	11	4	3.8	.0	.0
Grand Junction	4,602	60	68	25.33	29.86	+.03	67.4	+6.3	89	31	82	42	1	53	35	49	31	32	T	−.8	0	6.3	se.	20	n.	13	14	13	4	4.1	.0	.0
Northern Plateau							61.2	+4.8										48	0.46	−0.9										4.9		
Baker [2]	3,373	36	54	26.55	30.00	+.04	56.0	+4.3	86	10	72	29	6	40	42	45	37	60	.38	−1.2	3	6.7	n.	22	sw.	4	7	15	9	5.6	.0	.0
Boise [1]	2,858	5	49	27.01	29.93	−.01	61.3	----	92	10	76	35	5	46	40	49	38	46	.09	----	3	10.1	nw.	40	sw.	4	12	11	8	4.5	.0	.0
Pocatello [1]	4,478	5	31	25.46	29.94	+.05	59.6	----	87	10	76	28	7	44	43	45	31	41	.05	----	3	9.5	sw.	39	w.	4	12	9	10	4.8	.0	.0
Spokane [2]	1,968	101	110	27.92	29.98	+.02	60.5	+5.0	89	23	73	40	26	48	38	49	39	53	.64	−.8	9	6.6	s.	22	sw.	4	11	15	5	4.3	.0	.0
Walla Walla	991	57	65	28.91	29.98	+.02	64.7	+5.1	93	23	78	44	27	52	38	52	40	45	.53	−1.1	7	5.9	s.	24	w.	4	11	8	12	5.2	.0	.0
Yakima	1,076	58	67	28.84	29.98	----	63.6	+4.6	95	23	77	39	3	50	36	50	37	43	.27	−.4	2	6.9	nw.	27	nw.	19	10	12	9	4.9	.0	.0
North Pacific Coast Region							58.9	+4.6										70	1.67	−0.6										6.1		
North Head	211	5	56	29.85	30.07	+.04	54.0	+3.1	69	13	58	45	6	50	22	51	49	86	1.55	−1.4	13	17.2	n.	45	s.	4	3	13	15	6.8	.0	.0
Seattle [2]	14	90	321	30.01	30.04	+.03	60.4	+5.9	80	21	69	46	5	51	27	52	46	66	1.24	−.6	12	8.9	n.	34	sw.	1	7	15	9	5.5	.0	.0
Tacoma	194	172	201	29.84	30.04	+.02	58.8	+4.7	77	18	67	43	3	50	24	----	----	---	1.69	−.4	8	8.4	n.	28	w.	1	6	10	15	6.0	.0	.0
Tatoosh Island	86	9	61	29.96	30.06	+.05	53.2	+3.6	66	13	57	46	25	49	18	50	48	84	3.62	−.4	14	12.0	w.	43	s.	1	5	15	11	6.3	.0	.0
Medford [1]	1,329	29	58	28.59	29.98	----	62.1	+4.4	91	22	78	37	6	47	45	51	43	58	.57	−.6	6	----	nw.	---	----	---	8	11	12	5.8	.0	.0
Portland, Oreg. [2]	39	68	106	29.99	30.03	.00	62.6	+5.7	89	9	73	44	3	52	35	53	46	62	1.57	−.6	6	7.1	nw.	21	sw.	30	6	11	14	6.2	.0	.0
Roseburg	510	45	76	29.47	30.02	−.01	60.9	+4.9	88	18	74	41	3	47	41	52	45	62	1.44	−.5	6	5.1	n.	31	sw.	4	7	14	10	5.6	.0	.0
Middle Pacific Coast Region							62.7	+3.1										67	0.30	+0.1										5.7		
Eureka	60	72	88	29.99	30.06	+.01	55.2	+3.2	79	1	61	43	5	50	28	51	48	81	2.54	+.7	10	8.4	n.	30	sw.	1	5	11	15	6.9	.0	.0
Redding [1]	722	20	34	29.14	29.91	----	70.8	+4.4	98	19	82	42	5	60	31	56	43	42	1.12	−.4	4	8.4	nw.	24	s.	3	7	11	13	5.8	.0	.0
Sacramento [2]	25	92	115	29.89	29.92	−.02	66.8	+3.5	93	19	80	46	5	53	40	57	51	65	.92	+.2	2	7.5	s.	20	sw.	27	15	11	5	3.9	.0	.0
San Francisco	155	112	132	29.80	29.97	−.02	58.0	+1.2	76	13	64	50	26	52	24	53	50	79	.63	−.2	5	10.2	w.	29	w.	10	5	16	10	6.1	.0	.0
South Pacific Coast Region							67.7	+4.3										64	0.01	−0.4										3.9		
Fresno [1]	327	89	98	29.59	29.89	−.03	72.2	+5.1	99	20	88	47	7	56	39	58	46	46	T	−.4	0	8.3	nw.	26	nw.	2	18	9	4	3.4	.0	.0
Los Angeles	512	223	250	29.40	29.94	−.01	66.0	+3.8	94	9	75	51	7	57	32	58	54	72	.02	−.4	1	6.1	w.	21	w.	31	13	13	5	3.9	.0	.0
San Diego [2]	28	62	70	29.91	29.94	−.01	64.8	+4.0	80	9	71	54	7	59	22	59	55	74	T	−.4	0	7.0	w.	18	w.	31	13	11	7	4.5	.0	.0
West Indies																																
San Juan, P. R.	82	10	54	29.88	29.96	----	78.9	+.3	91	12	84	69	19	74	19	----	----	---	7.74	+2.5	18	10.5	e.	42	n.	19	1	15	15	6.9	.0	.0
Panama Canal																																
Balboa Heights	118	6	92	----	[3] 29.81	−.02	82.7	+2.0	95	1	90	73	19	76	18	----	----	[3] 80	7.26	−.7	18	6.1	nw.	20	nw.	31	0	24	7	6.7	.0	.0
Cristobal	36	6	97	----	[3] 29.83	−.01	83.5	+2.8	92	24	88	75	5	79	15	77	76	[3] 80	11.00	−1.6	21	9.2	n.	27	nw.	16	0	11	20	8.2	.0	.0
Alaska																																
Fairbanks	454	11	87	29.35	29.86	----	49.2	+2.2	80	30	62	28	16	37	37	42	32	57	1.39	+.8	9	6.4	n.	24	e.	21	6	10	15	6.7	.0	.0
Juneau	80	96	116	[4] 29.89	[4] 29.98	----	49.0	+1.2	76	31	56	36	1	42	29	44	38	70	6.40	+1.2	19	6.8	s.	25	e.	17	4	3	24	8.1	.0	.0
Nome	22	5	59	----	----	----	----	----	---	---	---	---	---	---	---	---	---	---	----	----	---	----	----	---	----	---	---	---	---	----	----	----
Hawaiian Islands																																
Honolulu	38	86	100	29.96	30.00	----	76.2	+1.4	83	8	81	70	25	72	13	69	66	73	2.54	+.8	23	8.8	e.	27	ne.	23	5	16	10	6.1	.0	.0

[1] Data are airport records.
[2] Barometric and hygrometric data from airport, other data city office records.
[3] Observations taken bihourly.
[4] Pressure not reduced to a mean of 24 hours.
[5] Barometric, hygrometric, and temperature records from airport, other data from city office records.

NOTE.—Except as indicated by notes, 1 and 2, data in table 2, are city office records.

TABLE 3.—*Data furnished by the Canadian Meteorological Service*

[With the April 1940 issue of the REVIEW, the Canadian Meteorological Service has discontinued sending reports of observations for an indefinite period.—*Editor.*]

TABLE 4.—*Severe local storms, May 1940*

[Compiled by Mary O. Souder from reports submitted by Weather Bureau officials]

The table herewith contains such data as has been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the United States Meteorological Yearbook]

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Campobello, S. C.	1	3:30 p. m.	880		$2,000	Hail	Loss in peach crop.
Winburne, Pa., and vicinity	1	4 p. m.		0		Tornado	Wooden garage carried 75 feet and demolished; a 4-year old child thrown with such force against the door as to break her collarbone.
Chicago, Ill.[2]	1-2					Snow	2.2 inches of snow recorded. Since the establishment of the Chicago Weather Bureau there had never been 2 consecutive days of measurable snow in May.
Virginia, Nebr.	6	5:30 a. m.	[1] 2		2,000	Hail	Property damaged.
Hebron to Gilead, Nebr.	6	10:40-11:15 a. m.	[1] 2-4		2,000	do	Do.
Plainville, Kans., and vicinity.	6	7:30-10:30	[1] 6		10,000	Wind, hail and rain.	Damage mostly to roofs and gardens; path 6 miles long.
Coldwater, Kans., 5 miles southwest.	7	4 p. m.	50	0		Small tornado	Vortex cloud divided into upper and lower sections soon after it formed; path 5 miles long.
Forrest School, N. Mex.	7	5 p. m.	[1] 5		3,000	Heavy hail	300 sheep killed.
Wichita, Kans., north of	8				4,000	Heavy rain	Bridge across Chisholm Creek, in northern portion of the city, washed out.
El Paso, Tex.	8		[1] 10		75,000	Hail	Loss in crops; damage to roofs and automobile tops.
Albuquerque, N. Mex.	8	12:45-2:30 p. m.	[1] 3		23,000	Heavy hail	Loss to crops, $20,000; property damage, $3,000.
Presidio, Tex.	8	2:30 p. m.	[1] 5		6,000	Hail	$5,000 loss to crops; $1,000 damage to buildings.
Seminole, Tex.	8	8 p. m.	[1] 2½		1,000	do	Loss to crops, $1,000; property damage severe, but not estimated.
Santee, Nebr.	13	6 p. m.	[1] 5		2,000	do	Property damaged.
Menno, S. Dak., and vicinity	13	7 p. m.			1,000	Wind and hail	Property, trees, and gardens damaged.
LaCrosse, Wis., and vicinity	13	7-8 p. m.			1,500	Hail	Damage to automobile tops and windows.
Oceana County, Mich., northern portion.	14	1:30-1:45 a. m.			100,000	Tornadic wind, electrical, and rain.	Barns and many small buildings demolished; trees and telephone poles blown down.
Minneiska, Minn.	14	5:25 p. m.	[1] 10		1,500	Hail	Considerable damage in places to property and fruit trees. Storm moved from northwest to southeast over a path 60 miles long.
Elm Creek, Nebr., 4½ miles west.	14			2	3,000	Wind and dust	High wind with blowing dust caused the piling-up of 3 passenger automobiles and 2 trucks, killing 2 children and injuring 8 other persons.
Harristown, Ill.	14				750	Wind	Property damaged.
Illiopolis, Ill.	14				2,000	do	Do.
Jerseyville, Ill.	14				2,000	do	Do.
Kane County, Ill.	14				60,000	Wind and hail	Property damage from wind, $35,000; from hail, $10,000. Crop loss from wind, $10,000; from hail, $5,000.
McHenry County, Ill.	14				190,000	do	Property 7damage from wind, $115,000; from hail, $35,000. Crop loss from wind, $30,000; from hail, $10,000.
Medora, Ill.	14				1,000	Wind	Property damaged; 1 person injured.
Springfield, Ill.	14				600	do	Do.
Taylorville, Ill.	14				500	Electrical	House damaged.
Bird Island, Minn.	14				2,000	Thundersquall	Property damaged.
Amherst, N. Y.	15				5,000	Electrical	Barn and contents burned.
New York, northern portion	15			2		Thundersqualls	Property damaged; 2 men killed by lightning.
Hartsville, S. C., vicinity of	16	12 Noon			2,000	Electrical	Residence burned.
Mesquite to Anthony, N. Mex.	16		[1] 3		75,000	Heavy hail	Loss to crops.
Mexia, Tex.	18	2 p. m.	[1] 1		10,000	Hail	Loss to crops, $10,000; property damage negligible.
Troy, Tex.	18	3:45 p. m.	[1] 3		10,500	Wind and hail	Damage to buildings, $500; loss to crops, $10,000, mostly from hail.
Bee Branch, Ark., 4 miles northwest.	18	6 p. m.	440	0	5,000	Tornado	Several buildings destroyed; forest observation tower blown over.
Engle, Tex.	18	6:45 p. m.	440	0		Tornado and hail.	A wooden structure 2 stories high, 2 barns, and several shade trees blown down; some damage from hail.
Dexter to Hagerman, N. Mex.	18				1,000	Heavy hail	Loss to crops.
Centerville, Tex.	18		[1] 2		20,000	Hail	Property damaged; livestock killed; loss in crops.
El Paso, Tex.	19	4-4:10 p. m.			10,000	do	Loss in cotton, small grains, and truck.
Erie and Niagara Counties, N. Y.	19				25,000	Thundersqualls	Several barns and small buildings blown down; telephone and power lines damaged by falling trees.
Penn Line, Pa.	19					Wind	Damage to trees, 3 silos blown down; barn unroofed.
Sprout Springs, Va., 2 miles south.	20	4-4:30 p. m.	440			Hail	Severe damage to wheat, tobacco beds, and gardens; property damaged.
Guide Rock, Boswick, and Superior, Nebr.	20	4-7 p. m.	[1] 1-5		5,000	do	Heavy fall of small hailstones over a path 15 miles long.
Burr Oak, Kans., and vicinity.	20	7 p. m.	[1] 4		35,000	Heavy hail	Loss chiefly in wheat; path 7 miles long.
Erie, Pa., and vicinity	20					Wind	Windows shattered; 1 person injured.
Pittsylvania, southern Bedford, Patrick and southern Campbell Counties, Va.	20				26,500	Thundersquall and hail.	$15,000 damage to crops, mostly wheat, tobacco beds, and farm gardens. Damage to property in Campbell County from hail, $10,000, and from wind, $1,500.
Paris, Tex., vicinity of	21	5 a. m.	[1] 3		14,000	Hail	Loss in crops.
Chickasha and Verden, Okla.	21	P. m.		1		Tornadic wind, rain, and hail.	Many farm buildings wrecked; several persons injured.
Pauline, S. C., and vicinity	21	3 p. m.	880	0	3,000	Incipient tornado	Roofs and other property damaged; outbuildings, power and telephone lines, and trees blown down.
Pauline, Gramling, and Walnut Groves, S. C., and vicinities.	21	do			5,000	Hail	Loss to fruit and crops.
Roland, Ark.	22	1 p. m.			25,000	Electrical	Brick schoolhouse destroyed by fire.
Oconee County, S.C.	22	3 p. m.	[1] 2		10,000	Hail	Loss to growing crops and fruit. Size of hailstones ¼ to ½ inch in diameter, drifts a foot or more deep.
Calallen, Tex.	23	7 a. m.	0			Tornado	Several small homes destroyed.
Corpus Christi, Tex.	23	do	[1] 4			Wind and hail	Loss in crops, communication, and power lines; large plane damaged.
Las Vegas, N. Mex.	23	5 p. m.	[1] 3		1,000	Hail	Loss in alfalfa and wheat.
Paxville, S. C., and vicinity	23	do			700	Wind	Property damaged. Some indication of an incipient tornado.
Konawa, Vamoosa, and Boelegs, Okla., and vicinities.	24					Hail	North from Ada motor traffic was stalled for several hours in drifts of hail ranging from 1 foot to 6 feet; crops ruined and windows broken in virtually every home in the farming district.
Salisbury and Cambridge, Md., and vicinities.	27	P. m.	[1] 12			Hail	The storm struck in the Cambridge area and swept across the shore past Salisbury where large hailstones covered the ground. Path 40 to 50 miles long southeastward toward the Atlantic coast.

See footnotes at end of table.

TABLE 4.—*Severe local storms, May 1940*—Continued

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Westcliffe, Colo	28	3:30 p. m	67,100	0		Tornado	The funnel clouds traveled from the north to the southeast. The tornado was seen from a distance of 10 miles and occurred in a sparsely settled region. Only damage reported was to an old deserted farmhouse and barn which were torn apart and scattered over the countryside.
D'Hanis, Tex., vicinity of	28	8 p. m	[1] 1		$20,000	Hail	Loss in crops; severe damage to 1,000 acres of corn.
Providence and Holly Hill, S. C., and vicinities.	29	A. m			5,000	do	Loss in matured oats and growing crops.
Van Houten, N. Mex.[2]	29	P. m				do	Storm lasted 2 hours with damage to roofs, windows, and automobiles.
Big Sandy, Mont	30	4–10 p. m			500	Straight-line-wind	Chief damage to power poles; minor property damage.
Garfield-Farmington, Wash	30	8:30–11:30 p. m.	[1] 1–6		70,000	Rain and hail	Loss to crops and damage to windows and roofs from hail. Roads and railroad tracks washed by heavy rain; little soil erosion.
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Larned, Kans., 10 miles northeast.	30	3 p. m	[1] 2		$8,000	Hail	Loss in wheat; damage to roofs and windows; path 15 miles long.

[1] Miles instead of yards.
[2] From press reports.

U. S. GOVERNMENT PRINTING OFFICE: 1940