

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Raymond, Nebr.....	27	3-6 p. m.....				Hail and rain.....	Corn washed out; truck gardens and strawberries damaged by hail.	Official, U. S. Weather Bureau.
Newberry, S. C.....	27	11 p. m.....			18,000	Thunderstorm.....	Damage by lightning to cotton and cotton-mill equipment.	Do.
Rogers Mesa and Paonia, Colo.	28	1 p. m.....	300		15,000	Heavy hail.....	Cherries, apricots, and possibly apples damaged.	Do.
Sedgwick County, Kans. (north part of).	28	9 p. m.....	1,760		100,000	Severe hail.....	Growing wheat damaged, path 16 miles long....	Do.
Fort Stockton, Tex.....	29	5 p. m.....	3,520		110,000do.....	Extensive property and crop damage over path 10 miles long.	Do.
Carroll County, Ill.....	29	6 p. m.....			22,830	Hail.....	Storm covered three distinct areas. Residences and greenhouses damaged; cattle and hogs injured; crops beaten.	Do.
Keokuk, Iowa and north of.....	29	P. m.....				Hail and wind.....	Wind damage in city to small light buildings; damage to grapes by hail.	Do.
Paonia, Colo.....	30	2 p. m.....			1,000	Hail.....	Injured cherries, apricots, and apples.....	Do.
Menifee County, Ky.....	30				14,000	Electrical.....	Store destroyed.....	Do.
Sideview, Ky. (near)	30			1	do.....	House wrecked.....	Do.
Alex and Bradley, Okla.....	30		2,640		20,000	Hail.....	Chief damage to crops.....	Do.
Do.....	31		3 mi.		do.....	Damage included in that of the 30th.....	Do.
Terre Haute, Ind. (near).....	31	1:28 p. m.....		2		Thunderstorm.....	Two persons, a horse, and a dog killed by lightning.	Do.
Uniontown, Ark.....	31	6 p. m.....		1		Wind and electrical.....	Several small buildings destroyed.....	Do.
Jefferson County, Okla. (central part of).	31	6-7 p. m.....	4 mi.			Heavy hail.....	Considerable damage; no estimate obtainable; path 30 miles.	Do.
Dallas, Tex., and vicinity.....	31	9:20 p. m.....				Thunderstorm.....	Wires damaged by lightning; other property by wind; 2 persons injured.	Do.
Marion County, Ind.....	31		220		50,000	Tornadoic wind.....	Considerable property damage.....	Do.
Princetown, Ohio (near).....	31					Hail.....	All crops over narrow strip injured.....	Do.

* Includes damage at the same places on the 31st.

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STORMS AND WEATHER WARNINGS

WASHINGTON FORECAST DISTRICT

Storm warnings were issued in connection with only two storms during the month. The first were displayed from Nantucket, Mass., to Eastport, Me., at 9:30 p. m. of the 8th, because of a storm of considerable intensity that advanced north-northeastward from the vicinity of Bermuda to latitude 40° N. and then north-northwestward to Nova Scotia and eastern Maine. The other warnings were ordered from Atlantic City, N. J., to Eastport, Me., in connection with a disturbance of moderate intensity that advanced northeastward along the coast during the 16th-17th. Several stations reported maximum wind velocities of from 34 to more than 40 m. p. h. from the northeast.

Small craft warnings were displayed on portions of the east Gulf coast on the 6th and 11th, and on parts of the Atlantic coast north of Cape Hatteras on the 3d and 23d.

Frost warnings, almost entirely for the area from Kentucky eastward and northeastward, were issued on the 3d, 4th, 9th, 11th, 15th, 20th, 22d, 23d, 24th, and 26th. No general frosts occurred over the areas for which frost was forecast.—C. L. Mitchell.

CHICAGO FORECAST DISTRICT

Marked contrasts in temperature took place throughout the forecast district during May, there being both warm and cool periods. The temperature, on the whole, averaged above normal, except over eastern upper Michigan and most of the lower Michigan peninsula. They averaged considerably above the seasonal normal in the Great Plains States, and the greatest excess was 7.8° in eastern South Dakota. Record-breaking maxima were registered at several stations on the Great Plains.

The rainfall throughout the district was below the monthly normal, except in a few small areas, and the deficiency in the Mississippi and lower Missouri valleys was considerable.

The principal features of the weather were the high temperature and the deficient precipitation in the western portion of the district. There was naturally less storm movement than usual.

The month opened with a disturbance of moderate intensity central over the Great Plains and a high pressure area in the North Pacific region. These areas moved eastward, so that by the morning of the 2d the disturbance had reached the Upper Lakes and the high pressure the Canadian Northwest. Storm warnings were ordered on this morning for the Upper Lakes and small craft warnings for the Lower Lakes; and frost warnings for the Northwestern States and thence eastward across the upper Mississippi Valley. Frost warnings were issued on the 3d for the Upper Lake region and adjoining sections. The storm warnings were only partly verified, but frosts occurred as predicted.

On the morning of the 10th a low of considerable intensity, which had moved eastward from the Great Plains, was centered in the Ohio Valley, with a cold high beyond the northern Rockies. Frost warnings were issued from the 10th to the 14th for the Northwestern States and eastward across the Upper Lake Region and adjoining sections; and the ensuing frosts were more or less general.

On the 18th general thunderstorms occurred over middle districts, accompanying the passage of a depression apparently of moderate energy. In the afternoon of that day a small tornado passed through Harvey, Ill., 22 miles south of Chicago. There was no loss of life, but damage to property amounted to about \$200,000. Showers and thunderstorms were predicted for the area in which the tornado occurred.

On the 19th the above-mentioned depression had moved northeastward to the Central Lakes Region and increased considerably in energy. A high-pressure area accompanied by comparatively low temperature was central over the Great Plains. Frost warnings were issued on that day for the Upper Lakes Region and adjoining areas; and frosts were reported generally from that area on the following morning.

On the night of the 20th storm warnings were ordered for all upper lakes stations, and on the morning of the 21st for the lower lakes, as a storm approached from the west. Warnings were continued on the Lower Lakes on the 22d, as the storm passed away very slowly down the St. Lawrence Valley. The warnings were partly verified, chiefly on Lakes Michigan and Huron.