

Severe Local Storage.—Continued.

Place.	Date.	Time.	Width of path (yards).	Loss of life.	Value of property destroyed.	Character of storm.	Remarks.	Authority.
Flora, Ill.	12				2,400	Wind and hail	Damage to silos, fences, etc.	Official, U. S. Weather Bureau.
Central Illinois	13	A. m.			75,000	Electrical and wind.	Property damage heavy. Electric light and power service crippled; trees uprooted, crops damaged, roads impassable. Mine wrecked, five persons injured.	Official, U. S. Weather Bureau; Illinois State Register (Springfield, Ill.).
South central Indiana	13				200,000	Wind	Many buildings destroyed and grain fields and orchards injured.	Official, U. S. Weather Bureau.
St. Paul, Minn.	15	P. m.				Electrical and rain.	Three persons injured. Tracks washed out and other minor damage.	Dispatch (St. Paul, Minn.).
Northwestern Wisconsin	15-16			8	500,000	Tornado and electrical.	Houses and barns destroyed, live stock killed, crops injured, 100 persons injured.	Official, U. S. Weather Bureau; Sentinel (Milwaukee, Wis.).
Antigo, Wis. (near)	16	2:30 p. m.	50 to 100		50,000	Tornado	Ten farm buildings destroyed, many trees damaged, live stock killed, and crop damage great.	Official, U. S. Weather Bureau.
Lansing, Mich. (near)	16	9:30 p. m.	70		2,500	do.	Buildings damaged; trees broken off.	Do.
Scranton, Pa.	17					Rain	Heavy rains cause severe property damage, also the tie-up of railroads for several days.	Do.
Valley Station, Ky. (near)	17			4		Electrical	Four men killed and five injured by lightning.	Do.
North and central New York	17			2	2,000,000	Electrical and cloudbursts.	Scores of persons injured, and severe property damage by a series of electrical storms and floods.	World (New York); Post-Standard (Syracuse, N. Y.).
Carbondale, Pa., and vicinity	17-18					Thunderstorms	Homes, business houses, and mines damaged by floods. Traffic stopped. Damage estimated at millions.	Official, U. S. Weather Bureau; Philadelphia Record (Pa.).
Atlanta, Ga.	18					do.	Electric light, telephone and street car systems out of commission. Trees down, wires broken, basements flooded.	Official, U. S. Weather Bureau.
Memphis, Tenn., and vicinity	18					Electrical, rain, and wind.	Damage to buildings, trees, etc. Traffic delayed by flood and debris. Estimated damage, thousands of dollars.	Official, U. S. Weather Bureau; Commercial Appeal (Memphis, Tenn.).
Brentwood, Fla.	19				3,000	Thunder and wind.	Damage to fair grounds.	Official, U. S. Weather Bureau.
Springfield, Ky.	19				25,000	Rain	Considerable damage by washout.	Do.
Macon, Ga.	20					Electrical	Sewer-pipe works badly damaged.	Do.
Central New York	21-22					Rain	Heavy damage from floods.	Press (Binghamton, N. Y.).
Williston, N. Dak., and vicinity	22-23			1		Rain and wind	Damage to buildings, trees, etc., and by flooding. Several persons injured.	Official, U. S. Weather Bureau; Williston Herald (N. Dak.).
Bottineau County, N. Dak.	23				300,000	Tornado	About 50 barns, 30 dwellings, 100 outbuildings, and 50 windmills destroyed.	Williams County Farmers Press (Williston, N. Dak.).
Wichita, Kans.	24	7 p. m.				Wind and rain	Electric and street-car service interrupted, streets flooded, wheat crop damaged, and live stock killed.	Wichita Eagle (Kans.).
Marshall and Washington Counties, Kans.	25	P. m.				Hail and rain	Wheat and oat crops total loss.	Official, U. S. Weather Bureau.
Fort Oglethorpe, Ga.	27	4 p. m.		1		Wind	Walls blown down. Two injured.	Star (Washington, D. C.).
Hornell, N. Y., and vicinity	28-29					Cloudbursts and electrical.	Heavy damage from flooding to tracks, highways, and crops. Barn burned.	Star-Gazette (Elmira, N. Y.).
Goddard, Kans.	29	P. m.				Wind, rain, and hail.	Wheat crop damaged. Telephone systems out of commission.	Wichita Eagle (Kans.).
Adair County, Ky.	29					Electrical and rain.	Crops damaged and several head of cattle killed by lightning.	Official, U. S. Weather Bureau.
Normal, Ill.	30					Wind	Trees and wires blown down.	Do.

STORMS AND WEATHER WARNINGS.

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TROPICAL STORM IN THE WEST GULF OF MEXICO.

The morning of the 15th meteorological observations by radio from vessels in the southwestern Gulf of Mexico disclosed the presence of a disturbance of moderate intensity central off the port of Tampico, Mexico. This disturbance seemingly had its inception over the southwestern Caribbean Sea on the 12th, although the indications were that it was of but minor intensity. Nevertheless, it caused torrential rains in the vicinity of the Swan Islands during the 12th and 13th. On the 13th there were indications of an imperfectly organized disturbance in the Gulf of Honduras, and moving westward it appeared, as stated before, off Tampico on the morning of the 15th. During its movement westward through British Honduras and Yucatan, press reports tell of torrential rains and unprecedented floods in Salvador, and it is probable that similar conditions prevailed in the adjoining republics, but confirmation of this statement is lacking. Moving northwest from the vicinity of Tampico, the cyclone passed inland during the morning of the 16th immediately south of the Rio Grande and passed up the valley of that river, attended by excessive rains which resulted in unprecedented floods in the lower Rio Grande valley. Northeast storm warnings were dis-

played at 2 p. m. of the 15th at Brownsville, Tex., and at 10 p. m. at Corpus Christi, Tex., and at the same time advices were issued of heavy rains along the lower Texas coast in the ensuing 24 hours. A report of the floods in the lower Rio Grande Valley will be found elsewhere in this number of the MONTHLY WEATHER REVIEW.

WASHINGTON FORECAST DISTRICT.

In the Washington Forecast District the month was not unusual as to storminess, but rains were frequent and in the North Atlantic States excessive. Few warnings were required; no general displays were ordered for the coastal waters. The disturbances that occurred were of local nature, as, for example, the severe squalls on the Middle Atlantic and New England coasts on the late afternoon of June 11. On the morning of this day small-craft warnings were ordered for the Atlantic coast over and north of Chesapeake Bay, the advices being to the effect that a disturbance of considerable intensity was central north of Lake Ontario and moving eastward and that it would be attended by fresh south and southwest winds and squalls during the afternoon and night of the 11th. The severest of these squalls seems to have occurred in the vicinity of New York City where it did much damage and caused the loss of a considerable number of lives of persons in pleasure boats in the adjacent waters. The