

SEVERE LOCAL STORMS.

The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A more complete statement will appear in the Annual Report of the Chief of Bureau.

Place.	Date.	Time.	Width of path.	Loss of life.	Value of property destroyed.	Character of storm.	Remarks.	Authority.
Waxahachie, Tex. (west of)..	1	P. m.	Yards.			Small cyclone.....	Considerable property damage.....	Dallas Morning News (Dallas, Tex.).
Washington, D. C.....	2	P. m.		3		Electrical and rain.	Slight property damage.....	Washington Herald (Washington, D. C.).
Plattsville, Wis., and vicinity.	4					Electrical, rain and wind.	Floods and wind caused destruction of thousands of acres of corn; barns and trees struck by lightning; much damage to newly constructed highway.	Times-Journal (Dubuque, Iowa).
Austin, Tex., and vicinity...	9	P. m.				Tornado.....	Buildings and wires slightly damaged; considerable property damage at Creedmoor.	Dallas Morning News (Dallas, Tex.).
Nixon, Tex. (west of).....	9		20			Wind.....	Crops, buildings, etc., in path destroyed.....	San Antonio Daily Express (San Antonio, Tex.).
Milano, Tex.....	9	P. m.	25 to 30			do.....	General damage done.....	Do.
St. Louis, Mo.....	9	1.30 p. m.			\$15,000	Thunderstorm.....	Street car and electric light service impaired; a number of buildings struck by lightning; cellars flooded.	Globe-Democrat (St. Louis, Mo.).
Bartlett, Tex.....	10-11					Rain.....	Severe damage suffered by railways, bridges, and crops; telephone communication cut off.	Dallas Morning News (Dallas, Tex.).
Marmarth, N. Dak.....	12					Wind.....	Several buildings wrecked.....	Fargo Forum (Fargo, N. Dak.).
Anoka, Minn., and vicinity..	20	P. m.				Hail, wind, and rain.	Heavy damage to crops and buildings.....	Washington Herald (D. C.).
Zanesville, Ohio.....	21					Wind.	Business section suffered severe losses.....	Daily News (Chicago, Ill.).
Belaire, Ohio (west of).....	21					Rain.	Homes flooded, corn crop destroyed, and live stock drowned.	Do.
Buffalo, N. Y.....	21	P. m.				Rain and hail.	Minor damage.....	Express (Buffalo, N. Y.).
Grand Haven, Mich.....	21					Wind.	Much damage by high winds to trees, wires, etc.	Weather Bureau official.
Madison, S. Dak.....	21				10,000	Hail.....	Severe general damage; 3-inch hailstones fell.....	Herald-Examiner (Chicago, Ill.).
Mint Springs, Va. (Augusta County).	22		10		5,000	Small tornado.....	Damage principally to buildings and trees; 2 injured.	Weather Bureau official.
Buffalo, N. Y.....	22					Gale.....	Velocity of wind 60 miles; no damage reported.	Express (Buffalo, N. Y.).
New Orleans, La.....	25	P. m.			10,000	Electrical.....	Severe damage to power station; street car lines tied up for 3 hours.	Times-Picayune (New Orleans, La.).
Terre Haute, Ind.....	29	P. m.	16 to 30		10,000-15,000	Thunderstorm and wind.	Severe damage by wind; 4 persons injured.....	Weather Bureau official.
Scranton, Pa.....	30	P. m.				Wind.....	Industries generally temporarily crippled; most damage suffered by power-carrying apparatus.	Washington Herald (Washington, D. C.).
Buffalo, N. Y., and vicinity..	30			1		Wind and thunderstorm.	Buildings leveled and much damage in fruit belt along south shore of Lake Ontario; velocity of wind 74 miles.	Washington Post (Washington, D. C.).
Cleveland, Ohio, and vicinity.	30			5		Wind.....	Property damaged to the extent of thousands of dollars; no serious damage in Cleveland; wind 50 to 74 miles.	Plain Dealer (Cleveland, Ohio).
Western New York, Pennsylvania, and Lower Lake region.	30			2		Gale.....	Severe windstorm causes heavy damage to property, crops, etc.; fires caused by lightning; velocity of wind 74 miles.	New York Times (New York, N. Y.).
New York City, N. Y.....	30	P. m.				Wind.....	Minor damage; cellars flooded; 52-mile wind....	Democrat Chronicle (Rochester, N. Y.).
Dayton, Ohio.....	30				19,800	Electrical.....	"Baby blimp" dirigible balloon and hangar destroyed; 1 person seriously injured.	Do.
Rochester, N. Y.....	30					Heavy gale.....	Great damage wrought to apple crop; thousands of bushels blown off.	Weather Bureau official.

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STORMS AND WEATHER WARNINGS.

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WASHINGTON FORECAST DISTRICT.

West Indian hurricane of Sept. 8 to 15.—This disturbance made its appearance the morning of the 8th to the southeastward of Barbados, traveled west-northwestward and crossed the Grenadines during the night of the 8th and passed on to the Caribbean Sea. Its course from the Grenadines was west-northwest and the afternoon of the 10th it was encountered by the steamship *West Faralon* in approximately Lat. 17° N. and Long. 68° W., when the barometer fell to 28.38 inches with winds of hurricane force. Passing northwestward from this position its center crossed Haiti and then pursued a northerly course, passing the Bermudas on the 15th and what seemed to be this storm was in the vicinity of Iceland on the 22d. The disturbance was of rather small diameter but of great intensity throughout its course. It is reported to have caused considerable damage to shipping, buildings, and crops and to have caused the loss of a number of lives in the eastern islands of the West Indies and the Bermudas.

On the morning of the 8th, when the signs of the approach of this hurricane were unmistakable, the fol-

lowing warning was issued by the district forecaster at San Juan, Porto Rico:

Tropical disturbance east of the island of Trinidad at 8 a. m., probably moving west-northwest. Caution advised through eastern Caribbean Sea. Further information will issue about 3 p. m.

Based on 1 p. m. special observations from eastern Caribbean stations the following warning was issued by the district forecaster at San Juan, Porto Rico:

1 p. m., tropical storm of moderate intensity with center south of the island of Barbados, moving west-northwest, will probably pass to the south of the island of Porto Rico during Friday, the 9th. Caution advised throughout the eastern Caribbean Sea area. Further information will issue about 10 p. m.

At noon of the 9th the district forecaster at San Juan, Porto Rico, issued the following warning:

Noon broadcast. Tropical storm center about 200 miles southeast of island of Porto Rico at noon, moving west-northwest at rate of 12 miles an hour. Moderate to strong winds with rain probable along south coast of Porto Rico to-night.

At 8 a. m. of the 10th the following information was issued by the district forecaster at San Juan, Porto Rico:

Tropical storm apparently increased in area and extent during the night and continued its movement west-northwestward. This morning the center was about 300 miles southwest of Porto Rico; squalls and heavy rains occurred during the night and early morning in Porto Rico, but the island is now out of the danger zone.