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1971

STORM DATA AND UNUSUAL WEATHER PHENOMENA

SEPTEMBER 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED* DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA									
Baldwin County	4	a.m. - p.m.			0	0	5	3	Rain
			Six inches of rain caused flash flooding in Silverhill area during the afternoon. Fish River and the creeks in area overflowed. Several houses damaged when partially flooded.						
Tibbie Community	16	1:30 p.	4	200	0	0	4	4	Tornado
			Tornado hit in Tibbie Community about 7 miles south of Gnaton and moved northeast cutting a path through trees. One house, several large chicken houses severely damaged and several small buildings destroyed.						
Tarbo Community, Washington County	16	Afternoon	2	200	0	0	4	4	Tornado
			Several houses damaged and twisted off foundations. Heavy damage to timber as tornado moved through forests.						
Baldwin County	16	3:25 p.	8	100	0	0	5	4	Tornado
			Tornado touched down near intersection of Highways 225 and I-65 demolishing a house trailer, unroofing one house and breaking trunks of large trees. Tornado moved northeast through wooded area until reaching cluster of houses on Highway 59 where a house trailer was demolished and 9 houses destroyed.						
Baldwin County	16	4:22 p.	1	150	0	0	5	3	Tornado
			Tornado touched down 4 miles east of Fairhope near Klump Airport and moved northeast. One house with one occupant was moved 75 feet and occupant remained upright and was not injured. Two houses demolished, several houses severely damaged and hundreds of trees broken off or damaged.						
Danley Community, Coffee County	17	12:35 a.m.	1/4	100	0	0	4	2	Tornado
			Tornado touched down briefly near Danley Crossroads and destroyed a house with 8 occupants, demolished an automobile and then moved northeast on ground for 1/4 mile.						
Selma, Dallas County	25	Evening			1	0	3	0	Electrical
			Occupant in house trailer killed by lightning.						
ALASKA									
			Data not received by publication deadline.						
ARIZONA									
Tucson (23 Mis. E.)	1	2:00 p.			0	0	0	0	Tornado
			Funnel cloud touched ground over the Rincon Mountains in an uninhabited area.						
Phoenix (28 Mis. E.)	1	4:15 p.			0	0	0	0	Hail
			Pilot reported hail as big as baseballs in the vicinity of Superstition Mountain.						
Arizona City (near)	1	5:20 p.			0	0	5	4	Tornado
			Funnel cloud was sighted about 8 miles northeast of Casa Grande then, a short time later, near Arizona City where it damaged a large farm and some apartments under construction. Additional sightings of the funnel were made about 5 miles northeast of Gilbert and over Mesa, but no damage was reported at either of these latter places.						
Tucson	6	Afternoon			0	1	0	0	Lightning
			A serviceman at Davis-Monthan Air Force Base was struck by lightning as he rode a motorcycle near the base.						
Scottsdale	14	6:30 p.			0	0	5	0	Wind
			Strong local winds blew down about two dozen power poles and damaged additional utility equipment in the same area.						
Tolleson	14	7:15 p.	25		0	0	4	0	Tornado
			Funnel cloud destroyed three barns on a horse ranch. Storm lasted about seven minutes.						
Young (15 Mis. S.)	17	5:00 p.			0	0	0	0	Hail
			U.S. Forest Service reported: "Hailstones two-and-one-half inches in diameter were covering the ground like snow ..."						
Holbrook, Mammoth, Winslow	29 & 30	All day			0	0	6	0	Rain
			Moisture from tropical storm Olivia brought precipitation to much of the State on the 29th. Precipitation amounts were significant and local flooding was reported in many areas. Heaviest damage was reported near Holbrook where a large dike broke flooding the city. Considerable damage was done to roads, dikes and sewers, with additional damage to bridges and homes.						
ARKANSAS									
Carlisle - Humnoke, Lonoke County	1	2:45 p.	?	?	0	0	0	0	2 Separate Tornadoes
			Two separate tornadoes sighted one in the vicinity of Carlisle; the other in the Humnoke area. Investigation by State Police showed no damage, although heavy rain reported in Carlisle area. Both tornadoes reported moving slowly westward.						
Belleville, Yell County	1	3:30 p.			1	1	?		Electrical
ARKANSAS (continued)									
									Man killed while working on roof of house under construction. Another critically injured inside house.
CALIFORNIA									
			None Reported						
COLORADO									
Most of State	16-20				0	0	95	0	Snow, Cold
			A record-breaking early fall snow storm caused extensive damage to trees and utility lines along the eastern slopes of the mountains and in adjacent areas of the eastern plains. Heavy wet snow from 6 inches to 2 or 3 feet in depth, and record-breaking low temperatures for so early in the season following the storm, damaged crops in local areas and reduced yields for most unharvested crops.						
CONNECTICUT									
			Data not received by publication deadline.						
DELAWARE									
Northern portion	11-13				0	0	4	0	Rain, flooding
			Three days of heavy thunderstorm rainfall brought some of the worst flooding in more than a decade. Official rainfall for these three days at Wilmington Porter Reservoir was 10.45 inches with 6.40 inches on the 13th; an unofficial total of 13.46 inches was reported near Talleyville with 8.43 inches on the 13th. Creeks overflowed; sewers backed up; and roads and streets were blocked by flooding waters. Many basements were flooded. At least six families were evacuated from the Maamans Creek area.						
Magnolia (near)	13	4:00 p.							Funnel
			A funnel cloud was sighted five miles to the west of this community.						
FLORIDA									
2 NW Marathon 40 ESE Key West	02	5:15p							Waterspouts (2)
			Two waterspouts were sighted.						
7 NNE Key West	03	2:14p							Waterspout
10 SE Key West	04	2:58p							Funnel aloft (2)
			Two funnels aloft were sighted but dissipated						
10 SE Key West	04	4:39p							Funnel aloft
12 NW Key West	05	10:28a							Waterspout
22 SE Miami	05	5:45p							Waterspout
20 SE Miami	06	10:16a							Waterspouts (5)
			Five waterspouts were reported off shore.						
13 WSW Miami	06	10:40a							Funnel aloft
20 NE Jacksonville	06	1:37p							Waterspout
Lake Magdeleine	06	3:45p							Funnel aloft (2)
			Two funnels aloft were sighted.						
3 S Key West	08	6:51a							Funnel aloft
4 WSW Key West	08	7:15a							Waterspout
5 WSW Key West	09	6:31a							Funnel aloft
10 NW Key West	09	6:40a							Waterspout
10 WNW Key West	09	6:50a							Funnel aloft
5 W Key West	09	7:10a							Waterspout
8 NE Ft. Lauderdale	09	10:10a							Waterspout
Madison Madison Co.	09	3:45p	100**	10	0	0	0	0	Tornado
			Several people saw a tornado as it attempted to touch down and after several attempts did so.						
10 NW Key West	10	6:45a							Waterspout
7 W Key West	10	7:25a							Waterspouts (2)
			Two waterspouts were sighted.						
5 S Sarasota 4 1/2 S Tampa	10	10:13a	1/4	20	0	0	0	0	Tornado
			A small tornado touched down briefly. No damage was reported.						
15 ESE Palm Beach	10	11:00a							Waterspout
Hudson W Pasco Co.	10	morning			0	1	0	0	Lightning
			A 25-year old woman was stunned and suffered minor burns as she talked on the telephone when a lightning bolt knocked the telephone out of her hand.						

See reference notes for all pages at end of table.

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS					
FLORIDA (continued)										ILLINOIS (continued)													
10 NW Cape Kennedy 25 NW Melbourne	10	6:30p	1/4	20	0	0	0	0	Tornado	Lincoln	6	1:15a.	?	?	0	0	4	0	Wind				
			A tornado touched down about 5 miles west of the vehicle assembly building at the Kennedy Space Center but caused no damage.									Six-plane hangar moved 15 feet at Logan County Airport and caused damage estimated at \$60,000. Five airplanes, boat and car were damaged.											
Miami	11	4:35p			2	0	0	0	Lightning	Chicago, NW	6	4:50p.			0	0	0	0	Funnel				
			Two boys 13 and 14 years old were killed by a lightning bolt while playing football in a school playground.												0	0	0	0	Funnel				
Abt. 5 E Ft. Lauderdale	12	12:20p							Funnel aloft (2)	Rockford, 20 m.E	8	6:40p.			0	0	0	0	Funnel				
			Two funnels aloft were sighted, later two waterspouts reported about same place and same time												0	0	0	0	Seen between Crystal Lake and Marengo.				
12 SE Key West	14	4:00p							Waterspout	Quincy	11	1a.	?	?	0	0	4	0	Wind, hail				
8 NW Pensacola	16	5:31p							Funnel aloft										Winds reached 65 miles per hour velocity and half-inch hail knocked out 300 windows in a greenhouse. Some damage in southwestern Adams County.				
			Two sightings of a funnel, accompanied by a loud roar.												0	1	3	0	Lightning				
6 NW Pensacola	16	8:15p	3	100	0	1	4	0	Tornado	Rushville	11	1:15a.	?	?	0	1	3	0	Lightning				
			Reported first 6 miles NW of downtown Pensacola where a roof was taken from a house. It moved northeastward and was reported at Bayley which is about 8 miles NW of Pensacola. There it overturned a house trailer and rolled it into another one, damaging both trailers and injuring one person.												0	1	3	0	Lightning and resulting fire destroyed a house trailer and injured an occupant.				
INDIANA										INDIANA													
10 SE Avon Park 63 S Orlando	18	4:07p							Funnel aloft	Indianapolis	2	Noon			1	0	0	0	Lightning				
Venby Miami 3 E Grandon Park	19	6:05a							Waterspout										Golfer killed by lightning when he took shelter under a tree at a South Keystone Avenue golf course.				
3 W Key West	19	10:53a							Waterspouts (3)	Winamac, 2 1/2 miles SE	6	12:30p.	Short	Narrow	0	1	3	0	Tornado				
			Three waterspouts were sighted.																0	1	3	0	Camper-trailer carried about 150 feet where it was dropped and demolished.
Near Key West	19	1:30p							Waterspouts (numerous)	Bedford	11	7:30a.	?	?	0	0	3	0	Hail				
			Numerous waterspouts were sighted.																	Thunderstorm with 1" diameter hail reported.			
Royal Palm Hammack Near Naples	19	evening							Funnel aloft	IOWA													
19 SW Pensacola	20	7:05a							Waterspout	Red Oak, Montgomery County	4	8:30 a			0	0	4	4	Hailstorm				
7 SE Daytona Beach	24	6:43a							Waterspout	Grand Junction, Greene County	4	11:00 a			0	0	4	0	Lightning				
GEORGIA										Wapello County	4	12:50 p			0	0	4	4	Windstorm				
North and Central	16-18				0	0	5	4	Heavy Rains	3NE Trenton, Henry County	4	8:00 p			0	0	4	4	Windstorm				
			Heavy rains fell over most of north and central Georgia as Hurricane Edith moved northeastward through the south. Mostly light damage occurred in several areas from overflow of small streams and street flooding.																Damage at Ottumwa and near Blakesburg.				
HAWAII										Dubuque County	9	1:00 p			0	0	4	4	Hailstorm				
Pearl Harbor-Waipahu, Oahu	25	1:18 p.-1:27 p.							Funnel cloud	Marengo, Iowa County	10	1:45 p			0	0	4	4	Hailstorm				
			Large funnel cloud, with broad base and eastward-curving cone-shaped appendage, widely observed in south-central Oahu. Funnel descended about 1,500 feet and occasionally further from cumulonimbus cloud with base at 2,500 feet, but with top obscured by stratocumulus layer at estimated height of 5,000 feet. No apparent movement noted. Precipitation heavy in vicinity of funnel.																8N of Dubuque 2 inch diameter hail.				
IDAHO										Lohrville, Calhoun County	29	10:00 a			1	0	0	0	Lightning				
Bonner and Boundary Counties	19	Evening	?	?	0	0	?	?	Lightning and Wind	KANSAS													
			A series of thunderstorms moved through northern Idaho causing considerable wind and lightning damage. Winds were estimated to 60 m.p.h. at Bonners Ferry where windows were broken and area-wide blowing downed trees, signs and utility poles. Lightning killed a valuable Appaloosa stallion at Sandpoint.																	Northern portion			
Southern Idaho (above 5,000 ft.)	29-30		?	?	0	0	?	?	Snow	Butler County and Central one-third	4	a.m.			0	0	4	3	Lightning				
			An early snowstorm deposited up to 18 inches of snow across southern Idaho at elevations above 5 to 6 thousand feet. Larger depths reported include: Silver City Summit 18"; Scott Mountain 18"; Silver City 12-15"; Grouse, Ketchum R.S.; Sawtooth Valley R.S., and Couch Summit each with 10"; Jack Cr. Hill and Galena Summit 8"; and South Mountain Lookout, Atlanta and Bald Mtn. 6".																Damage occurred locally in Dickinson and Phillips Counties.				
ILLINOIS										Eastern one-third	4	aftn.; eve			0	0	4	0	Wind, lightning				
Springfield	5	3-4p.	?	?	0	1	3	0	Rain, lightning	Montgomery County	5	7:30 p.			0	0	4	3	Hail, wind				
			Heavy rains flooded streets. Lightning struck a television antenna and subsequently burned an occupant of the house.																	Hail up to 1 1/2 inches diameter fell west-southwest of Independence; wind damage to a mobile home and outbuildings also occurred in that same area.			
										Greenwood County	8	eve			0	1	0	0	Lightning				
										Labette County	16	12:30 a.			0	0	4	0	Lightning				
										Harvey County	30	aftn.			0	0	4	0	Wind				
										KENTUCKY													
										Monroe County	6	3:00 p.			4	0	0	0	Lightning				

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KENTUCKY (continued)									
									Four men hanging tobacco sticks were killed instantly when lightning struck the metal roof of the tobacco barn in the fountain Run Area near Tompkinsville. The lightning apparently hit one man standing near the roof and passed to the other victims through the tobacco sticks they were handling. All four fell to the bed of the truck from which the tobacco was being emptied. A teen-age daughter of one of the victims was standing on the truck, but was not hurt.
Jefferson County	10	6:45 p.							Funnel cloud aloft
									A funnel cloud was reported by public 2 miles southeast of Shively.
Jefferson County	11	Midnight							Funnel cloud aloft.
									A funnel cloud moving northeastward was reported 8 miles northeast of Louisville.
Shelby, Henry Counties	11	Night			0	0	?	?	Hail
									Hail damage to tobacco crops was heavy on a number of farms in Shelby County and on several farms in Henry County.
Owen County	15				0	1	0	0	Lightning
									Lightning struck a wire on which a man was resting his hand in a tobacco barn. The arm became stiff to the elbow for several hours.
Bath County	16	a.m.			0	0	?	?	Hail
									Heavy hail damaged a number of tobacco crops. The hail was said to have hit a north to south strip, damaging the crops of about 10 farmers.
Kenton County	20	9:00 a.			0	0	4	0	Wind
									High winds and rain were reported to have collapsed a 25-foot-high, 400-foot-long concrete block wall at a Latonia shopping center for an estimated loss of about \$30,000.
Marion County	26	3:00 a.			0	0	4	0	Lightning
									An office building and an adjoining trailer were damaged by lightning.
LOUISIANA									
Lake Pontchartrain	1	2:42 p.							Waterspout
									Six miles northeast of Lakefront Airport, New Orleans.
Orleans Parish	5	8:05 a.							Funnel cloud
									Eastern section of New Orleans (Intercoastal Canal).
Plaquemines Parish	7	12:35-12:45 p.							Waterspouts (2)
									First, at 12:35 p., estimated 20 miles east of Coast Guard Light Station, Southwest Pass, lasted five minutes. Second, estimated 15 miles east of station, lasted six minutes.
Southern Parishes	16				0	50	7	7	Hurricane EDITH
									Hurricane Edith, which began as a tropical storm north of the Netherlands Antilles on September 7, crossed the Louisiana coast in Cameron Parish between Grand Chenier and the Rockefeller Wildlife Refuge about 8:00 a. Hurricane Edith moved rapidly across South Central and East Central Louisiana, with the center passing near Lafayette and Baton Rouge and into Mississippi near McComb by 2:00 p. Highest measured sustained wind 69 m.p.h. at Cameron. Estimates of 75 to 80 m.p.h. winds in portions of Cameron, Vermilion, Jefferson Davis and Acadia Parishes. Gusts measured to 96 m.p.h. at Cameron, estimated 80 to 95 m.p.h. above areas. Moderate to heavy rainfall on 13th throughout central and southern Louisiana. Intense rainfall with storm passage restricted at many places south of path to single major rainband, with little significant rain remainder of storm period. Two-day totals were six to eight inches near track. Fast forward speed of storm and oblique angle of approach caused only moderate storm tides along central and west Louisiana coast. Reported tides ranged from near five feet to more than eight feet, m.s.l. The highest storm surge occurred in Vermilion and Côte Blanche Bays. Edith's damages were termed light or moderate throughout the area. Numerous trees were uprooted, powerlines and poles were broken or downed, tree limb breakage was widespread, signs and billboards were toppled, roofs, plate glass, mobile homes, barns and lighter structures were damaged or destroyed over an extensive area. Brief local flooding was reported at many points. High tides swept some camps off blocks, sank numerous small boats. Portions of beach and marsh in Vermilion, St. Mary and Cameron Parishes were covered with silt and mud; some minor fish kills, drowned deer and nutria, and destruction of waterfowl food supply. Agricultural damages from wind and rains were greatest to sugarcane, soybeans, rice, cotton, pecans, sweetpotatoes, and vegetables. Virtually all of the sugarcane was heavily lodged or pushed to the ground, and a large percentage of broken tops was noted in some varieties. Most of the rice crop had been harvested, but that left in the field was severely lodged. Soybeans and cotton in the southern parishes were flattened. Sweetpotatoes suffered from the heavy rainfall, with some field rotting and souring. Many pecans were prematurely blown from trees, and considerable limb breakage occurred.

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LOUISIANA (continued)									
Iberia and St. Mary Parishes	16	7:20-7:30 a.	5	50	0	6	4	0	Tornado (Edith)
									First touched down four miles northeast of Loreauville. Farm house demolished. Moved northwest to Coteau Holmes, where several mobile homes damaged and one house blown from foundation and moved some ten feet.
East Baton Rouge Parish	16	8:07-8:22 a.	7	50-100	0	3	6	0	Tornado (Edith)
									Struck along a skipping path through residential subdivisions in eastern section of Baton Rouge. Major damage to Episcopal High School, French Provinces apartment complex, St. Thomas More Church and School, Sherwood Shopping Center. Moderate to severe damage to more than 100 homes (15 totally demolished); 200 had lesser damage. Trees twisted off or uprooted, powerlines and poles downed.
Iberville Parish	16	8:15 a.	?	?	0	0	0	0	Tornado (Edith)
									Brief touchdown seen in open country between Bayou Sorrel and Bayou Pigeon. Few trees blown down.
St. Mary Parish	16	9:00 a.	?	?	0	0	4	0	Tornado (Edith)
									Brief touchdown in Chatsworth Subdivision at Franklin. Several homes damaged.
Plaquemines Parish	16	11:02 a.	?	?	0	0	0	0	Tornado (Edith)
									Public reported brief funnel touchdown at Venice. No damage.
Tangipahoa Parish	16	?	3	150	0	0	5	0	Tornado (Edith)
									Three residences and barn demolished, several other residences damaged, four heavily. Moved from Copper Road area south of Robert, across Hwy 190 one mile east of Robert.
Tangipahoa Parish	16	?	?	?	0	0	0	0	Tornado (Edith)
									Six miles southeast of Amite. Trees twisted and downed.
Tangipahoa Parish	19	3:00 p.	1/4	50	0	0	3	0	Tornado
									Small tornado damaged restaurant, snapped off telephone pole. Moved southwest to northeast just south of Amite.
Acadia Parish	26	11:53 a.							Funnel cloud
									Sighted near Bayne, moved northwest.
Cameron Parish	30	3:56 p.							Waterspout
									Sighted over Lake Calcasieu, near Hackberry. Dissipated in three minutes.
MAINE									
Southern	17	Early morning			0	0	4	0	Lightning
									Scattered thunderstorms caused local damage. The most notable was the loss of a large barn and contents at Manchester, due to lightning at about 3 a.
MARYLAND									
Northern and northeastern portions	11-12	a.m. - p.m.			0	0	6	0	Rain, flooding
									Heavy thunderstorm rainfall brought flash flooding, especially to the areas given below. Local damage including that to roads, bridges, business establishments, homes, furnishings and vehicles may exceed 4 million dollars. No deaths or injuries were reported; however, there were dramatic rescues of stranded motorists and persons trapped in their homes.
									<u>Baltimore (City)</u> Herring Run overflowing its banks brought particularly heavy flooding between the 4700 and 5000 blocks of Frederick Avenue. The rain gage, operated by the Baltimore City Waste Water Division near this area, recorded 4.36 inches in three hours between 3:52 and 6:52 a.m. of the 11th. At least 32 families were forced to leave their homes and the residents of 16 basement garden apartments lost their furnishings. Parked cars were almost completely submerged.
									<u>Baltimore (County)</u> Flooding again occurred in much the same area struck by the heavy flooding of this past August but the damage at this time was much less severe. A rain gage, operated by the Geological Survey at Parkville, recorded 6.40 inches for the calendar day, the 11th.
									<u>Frederick County</u> Many of the smaller streams were affected. Bennett Creek crested at 14 feet; the previous record was 11 feet. Scattered minor damage was reported, especially to roads and bridges.
									<u>Harford County</u> Flash flooding, with considerable damage, especially to roads and bridges, occurred in this area. The official weather station at the Benson Police Barracks reported a rainfall of 4.10 inches between 4 and 7:30 a.m. on the 11th.

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MARYLAND (continued)									
<u>Montgomery County</u>									
									The area receiving the most damage was the Seneca Creek area. Here, at least three permanent homes and fifteen summer homes were destroyed and many others were damaged. Severe damage to roads and bridges was reported. Unofficial rainfall exceeding nine inches was reported at two different places in the Germantown area. According to the U. S. Geological Survey, the peak discharge at Dawsonville was estimated at 30,000 cubic feet per second on the 12th, twice the previous highest in 41 years of record.
<u>Prince George's and Howard Counties</u>									
									Flooding in the Patuxent River Basin was more severe than that of August 1971; according to U. S. Geological Survey sources, the peak discharges during this period at their sites exceeded those of any previous year, dating back to 1944. The Lanham official weather station, Prince George's County, recorded 4.10 inches on the 11th and, as noted by the observer, most of this fell in less than 45 minutes. Considerable damage, both public and private, was reported in the Laurel area.
Largo, Prince George's County	12	10:50 a.	3 1/2	200	0	0	5	0	Tornado
									Tornado, moving in a southwest to northeast direction, was first noted near the intersection of Walker Mill Road and Ritchie Road, just inside the Capital Beltway, where it sheared off several trees about 25 feet above the ground. It was observed crossing the Beltway as a large black cloud with 4 or 5 funnel protruding. Just before it struck the Kettering subdivision of Largo, it destroyed two barns and a shed and uprooted many trees. 57 houses in the subdivision received some damage with four of these receiving major damage. As an indication of the force of this storm, a 2-x 10-inch beam from the roof of one house was thrust through the wall of the next-door house where also the laundry in the basement was sucked up and scattered through the second floor. Total damage was estimated at \$70,000.
Friendsville, Garrett County	13-14	p.m. - a.m.			0	0	3	0	Rain, flooding
									Heavy rain caused Mill Run stream to overflow its banks. Unofficial rainfall of five inches was reported. One bridge was washed out and the approaches to several others were damaged.
MASSACHUSETTS									
Haydenville	13	12:15 p.	1/2	5 to 10	0	0	4	2	Tornado
									Very narrow funnel with sinuous and discontinuous path in general northward direction. Second funnel seen but not touching ground. One solidly built barn totally destroyed and other buildings damaged, some extensively. Several acres of trees flattened, with some trees lifted right into the air. Width of damage path mostly less than 50 yards but occasionally wider.
Coastal	13-14	Night			0	0	4	0	Wind, lightning, rain
									While the remnant of Tropical Storm Heidi was well off the coast, squally weather hit various localities. Thunderstorms hit some places but lightning damage was minimal. Some local flooding from heavy rain. Trees and limbs were felled, causing utility outages. Malden was hit by a damaging gust of wind at about 10:15 p.
State	16-17	Night			0	0	4	0	Wind, lightning
									Thundersqualls produced damaging winds in some communities with trees and limbs felled, causing utility outages. A gust of 67 m.p.h. was recorded at Chester. Lightning damage minor.
Reading	25	Mid-day			0	0	2	0	Dust devil
									Summer screen house damaged by fair-weather dust devil.
MICHIGAN									
Port Huron, St. Clair County	2	4 a.			1	0	3	0	Lightning
									Rescue of 17-month old baby was prevented when flames engulfed his room. The fire was set by a lightning bolt.
Benton Harbor, 14 E, Van Buren County	2	7:20 a.			1	0	0	0	Lightning
									Seventh-grade girl was struck by lightning as she dashed through the rain to a waiting school bus near Sister Lakes.
Benton Harbor, 20 NE, Van Buren County	2	2-6 p.			0	0	4	0	Rain
									Heavy thundershowers caused localized flooding of homes and a number of road washouts. Damage to roads was estimated at over \$50,000 by the county engineer. Minor wind damage to trees and campers was also reported in the area.
Morenci, Lenawee County	4	12:40 a.			0	0	4	0	Lightning
									Lightning-set fire destroyed 60 x 80-foot barn and contents.
Houghton, 7 SW Houghton County	16	9:10 a.			0	0	0	0	Waterspout
									Waterspout observed by Coast Guard near Hancock.
MICHIGAN (continued)									
Ontonagon, 15 W Ontonagon County	18	10:40 a.			0	0	0	0	Waterspout
									Waterspout observed by fishing boats.
Southern Lower Michigan	27	1-7 a.			0	0	5	0	Lightning, Rain, Hail
									Thundershowers moved across lower Michigan causing localized flooding and highway washouts. Lightning-set fires destroyed 2 barns and contents near Pennville, losses were over \$10,000. Large hailstones fell near Portage.
MINNESOTA									
Holt 1/2N, Marshall County	2	8:00 p			0	0	4	0	Lightning
									Thunderstorm with lightning burned a barn filled with baled hay and oats.
Northwest and West Central	3 & 4				0	0	4	0	Wind, rain and lightning
									Thunderstorms on the 3rd and 4th caused wind and lightning damage and some flooding from heavy rains. Lightning badly damaged a house, Fosston 12NE at 6:30a on the 3rd; caused minor damage to appliances and a house at Wheaton the evening of the 3rd; destroyed a haystack, machine shed, tractor and other farm equipment and grain at Sebeka 2NW, at 1:55a on the 4th; destroyed a large barn, 6,000 bales of hay and 1,000 bales of straw and 5 head of cattle near Henning at 5:45a on the 4th. Wind destroyed a barn and metal grain bin at Ada 2-1/2SE, between 5:00 and 6:30p on the 4th. Heavy rains of 4 to 6 inches were reported between Ada and Twin Valley, rains occurred between 5:00p on the 3rd to 7:00a on the 7th.
East Central and Southeast	9				0	0	4	0	Lightning & wind
									Thunderstorms with lightning and wind on the 9th. Lightning burned a barn filled with baled hay and straw, some oats, 100 pigs and an elevator at Lake City 4-1/2 SW, at 12:15a; damaged appliances in a home in Haddon Township in northwest Hennepin County at 1:30p.
Aitkin 4NW, Aitkin County	17	3:00p	1/10	30	0	0	0	0	Tornado
									Small tornado moving southeast touched down momentarily in open country. Photo taken of funnel aloft after touchdown.
Motley 12SE, Morrison County	18	2:00p			0	0	2	0	Fire Whirl
									Small fire whirl developed out of a small controlled brush fire on the north shore of Lake Alexander. The fire whirl moved east about 15 mph over the water about 20 feet from the shoreline. The water was frothy-white where the funnel of the fire whirl moved over it. The funnel dissipated as it passed into trees along the shore. The funnel was described about 10 feet in diameter and the water and debris extended upward to the tops of trees 40 to 50 feet. There was a loud roar from the funnel. A man 30 feet from the funnel watched it overturn a 1,800 pound pontoon boat but a light canoe between his position and the pontoon boat did not move. Weather at the time was clear with light breeze from the west. St. Cloud Airport reported surface winds at 340 degrees 7 knots at 2:00p.
Twin Cities Area	29	8:00p to 9:00p			0	0	5	0	Hail
									Thunderstorm with hail was reported on about a 10 mile wide strip from Bloomington-Burnsville area northeast through North St. Paul-White Bear Lake area. Most reports were small hail, however, golf ball to tennis ball size hail caused \$40,000 damages to greenhouse windows and plants, and also to automobiles and homes along the Minnesota River in Hagan Township in northwest Dakota County.
MISSISSIPPI									
Mississippi Sound	1	6:25 a.							Waterspouts
									Pass Christian Police Department sighted two waterspouts off west end of Cat Island (lat. 30.2° N, long. 89.2° W).
Grenada County	3	About 2:00 p.			1	0	?	0	Lightning
									During a thunderstorm in Grenada a man, age 25, was struck by lightning while operating a tractor in a parking lot at Highway 8 E and Govan Street. He died in the hospital.
Jackson County	4-5				0	0	?	0	Heavy Rain

STORM DATA AND UNUSUAL WEATHER PHENOMENA

SEPTEMBER 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MISSISSIPPI (continued)									
									Newspaper noted, "Heavy rains flooded parts of Pas-Point Sunday (5th), including Rose Drive in Moss Point where water was more than 3 feet deep." Pascagoula 2 ENG. rainfall measured 5.85 inches for one day amount (between 3 p.m. of 4th and 3 p.m. of 5th).
Grenada County	15	About 4:00 p.							Waterspout Man reported waterspout at Grenada Lake about 2 miles from shore (near Piney Woods on S side of lake). An accompanying sudden gust of wind upset his boat.
Attala County	16	About 10:00 a.	**200	8-17	0	0	?	0	Tornado During a light rain a motorist saw a little tornado dip down about 1 NE Ethel, it crossed Highway 12, caused intermittent damage. It was a quite narrow rope-like funnel, about 50 feet across. Man, whose house it missed, said he heard a roar. A few trees were downed and a number of power lines blocked the highway, some tree tops were damaged. (lat. 33.1° N, long. 89.5° W).
Walthall County	16	1:30 p.	Small	Narrow	0	0	3	0	Tornado Storm moved from SE towards NW. Light rain preceded damage and there was a little afterwards. A small tornado (funnel not seen) dipped down on a home in the State Line community 10 SE Tylertown. Woman resident reported a loud roar, part of roof torn off and estimated \$4,000 damages. No other buildings involved, and no reports of a touchdown elsewhere.
Jackson County	16	About 1:45 p.	**40	?	0	0	?	0	Funnel Cloud Aloft, Wind Public reported funnel near Wade and it did a little damage to a part of a roof (mostly shingles), then lifted and dipped to twist tops out of trees.
Jackson County	16	1:45 p.	**67	?	0	0	?	0	Funnel Cloud Aloft, Wind Public reported tree tops twisted and broken for 200 feet at Escatawpa, 5 N Pascagoula. One person reported hearing loud noise and roaring like train. No funnel sightings reported.
Harrison County	16	About 2:00 p.	Short	Narrow	0	0	?	0	Tornado During a thunderstorm, near Landon Road on Highway 19, 4 N Gulfport, about 400 sq. ft. portion of a roof was torn from a warehouse made of metal. Civil Defense Director reported there was some evidence of circular winds; less strong buildings in the same area were unharmed. No one saw a funnel but the damage was likely associated with a small tornado. (lat. 30.5° N, long. 89.1° W).
Southern Mississippi	16-17				0	1	5	5	Tropical Storm, Wind, Heavy Rain Tropical storm EDITH moved from Louisiana into Amite County early on the afternoon of the 16th, then northeastward across the State to Lauderdale County and on the 17th near dawn, entered Alabama. As Edith drew nearer, many schools sent students home; as business halted many employers released their staffs and a number of stores closed early, offshore drilling rigs as far east as Biloxi prepared to head for harbor. Wind damages were mostly light and minor, one person received cuts from glass from a broken window. There were areas of power outages, and trades of damages extended as far north as Oktibbeha County where winds gusted up to 40 m.p.h. at Starkville. The heavier rainfalls produced some damages and flash flooding occurred; low lying roads and areas of poor drainage briefly inundated. SOUTHWEST DIVISION: The heaviest rainfalls were near the path of Edith. LINCOLN COUNTY: Strongest winds were between 12:30 p.m. and 2:00 p.m. (c.s.t.). Civil Defense estimated \$11,000 in property damages. There were crop damages which came from water in the soil causing a growth of fungus on the crop roots; pastures received the most damage. WILKINSON COUNTY: Civil Defense estimated \$6,250 in property damages. SOUTH CENTRAL DIVISION: (See separate tornado report). PIKE COUNTY: Primary damage in northern portion; Fourth District Supervisor estimated damages up to \$40,000 with heavy damage to gravel roads; flash flooding washed out a number of bridge ends, at least one major road closed by high water. Damages in the southern part of the county were mostly confined to fallen trees and limbs, some blocking public roads. WALTHALL COUNTY: The largest damage was to power lines, trees and limbs. The County Agent reported the heavy rain will delay the harvesting of sorghum grain and some soybean crops. At Tylertown, winds gusted up to 40 m.p.h. from the SE at 3:00 p.m. MARION COUNTY: The Director of the USDA Office in Columbia estimated \$5,000 property damages and \$25,000 crop damages. Telephone and electrical services were knocked out in scattered areas. In Columbia a maximum wind gust of 55 m.p.h. was reported from the SE at 3:00 p.m.; a plate glass store window blew in and out an employee on the arms. COASTAL DIVISION: Along the Gulf Coast tides ran 2 to 4 feet above normal. (See separate tornado report). HARRISON COUNTY: Mostly minor wind damage during heavy squalls which mostly moved northeastward; some damage to signs and awnings, and to some scattered plate glass windows. At 1:30 p.m. some metal awnings were blown off buildings in Gulfport. Near 4:00 p.m. about 3 miles north of Biloxi, near Brodie and Spence roads, some house trailers were shifted on their foundations by strong winds. SOUTHEAST DIVISION: As Edith moved through the Division its forward movement slowed. FOREST COUNTY: Hattiesburg City Schools dismissed classes one hour early. Wind gusts estimated at 70 m.p.h. caused damage to telephone and electrical lines. JONES COUNTY: High winds blew limbs and some trees over power lines causing some areas of disrupted power. At Laurel, plans were grounded and flights were cancelled. LAUDERDALE COUNTY: Utility companies reported no significant damage, a few limbs blown down and caused minor power disruption. Several trees uprooted in the Meridian area.
MISSOURI									
									Northwest Missouri A fast moving line of thunderstorms with winds estimated between 50 and 70 miles per hour caused widespread minor damage from Hound City southeast through Richmond, to near Knob Noster, then west to south of Kansas City. Damage was limited to scattered downed power lines; numerous toppled trees; and a few small buildings or sheds destroyed.
									Granby, Newton County Lightning struck the cross on top of a church in Granby and the ensuing fire caused major damage to two of the classrooms in the structure. One fireman was slightly injured while fighting this fire.
MONTANA									
									Roosevelt & Sheridan Counties Several range fires, possibly started by lightning and fanned by winds gusting to about 70 m.p.h., burned thousands of acres of range and most of the town of Oswego. The Oswego blaze destroyed 14,000 acres of prairie, 400 to 500 tons of hay, 2 full grain elevators, oil storage facilities, and a bridge on U.S. Highway 2. Only 6 buildings were left standing in Oswego as 71 people were left homeless. Another fire near Plentywood destroyed 3,800 acres of rangeland.
									Northwest Montana Winds gusting to near 50 m.p.h. destroyed a hangar and damaged 2 aircraft at the Eureka Airport, and sank at least one boat on Flathead Lake.
NEBRASKA									
									Brown County Funnel cloud sighted 20 miles southwest of Ainsworth.
									Sarpy County One-inch hail stones reported at Offutt Air Force Base. No damage reported.
									Northeastern Corner of Otoe County Ground covered by 1/4" hail. A few stones ranged up to one inch diameter.
									Douglas County Lightning rendered Spot man unconscious.
									Chayenne County Sighted 10 miles northeast of Sidney.
NEVADA									
									None Reported
NEW HAMPSHIRE									
									Southern Early morning scattered, mostly minor, damage by lightning and wind. Some utility failures due to felled limbs. Local washing and flooding rain. Over 1 inch of rain at Epping in about 1 hour.
									Northern Late forenoon scattered, mostly minor, damage to property by lightning and wind. Two were injured at Littleton by lightning, one critically.
NEW JERSEY									
									Data not received by publication deadline.
NEW MEXICO									
									Sierra County Tornado, four miles east of Hillsboro, twisted off electrical poles and lines. Tornado moved toward southwest.
									Lincoln County Tornado caused minor damage to two ranch homes near Coyote, about 13 miles north of Carrizozo. Wind estimated to over 80 miles per hour. Tornado touched down twice.
NEW YORK									
									Wilmington, Essex County Locally heavy downpour of rain on slopes of Whiteface Mountain, a few miles west of Wilmington, resulted in slides of mud, boulders and debris. Ski slopes and hiking trails sustained damage estimated at \$100,000. Six persons stranded on ski lift when power knocked out.
									Nassau County Man killed by lightning on golf course at East Williston.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

SEPTEMBER 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM		
					KILLED	INJURED	PROPERTY	CROPS			
NEW YORK (continued)											
Penn Yan, Yates County	6	Late p.m.					4		Lightning		
									Dairy barn and contents destroyed by lightning-caused fire. Loss \$30,000.		
Boonville, Oneida County	7	4 to 11 p.					4		Rain		
									Cloudburst centered in the Boonville, Alder Creek and Forestport area of northeastern Oneida County. Cooperative observer at Boonville measured 3.5 inches of rain within three hours (4 to 7 p.m.) and a record 24-hour total of 4.22 inches. Observers at Alder Creek and Forestport measured storm totals of 5.0 and 6.2 inches, respectively. State highway 46 between Boonville and North Western blocked in one or more places by gravel, boulders and mud and by flood waters where culverts were plugged on fast rising streams. Some low-lying farmlands and meadows inundated south and south-east of Boonville.		
Hudson Valley and New York City	11-14						5		Rain, flooding		
									Slow moving cyclonic system over mid-Atlantic region produced the third extended period of very heavy rains in the last six weeks in the New York City and southeastern upstate areas. Four-day precipitation totals of 4.5 to 7.0 inches fell from New York City and Nassau County northward to Greene and Columbia Counties in the mid-Hudson Valley. White Plains Airport measured 7.0 inches and Yorktown, 6.9 inches as Central Park observatory recorded 24-hour total of 4.03 inches on 13-14th. Storm accumulations decreased to 2.5 to 3.5 inches in the Catskills, near 2.0 inches central Long Island, 0.8 to 1.25 inches Albany area and 0.6 to 0.9 inch eastern Long Island. Flooding widespread in area of heaviest rainfall but especially heavy damage to property in Westchester County, eastern Orange County (villages of Haverstraw and Nyack) and the Catskill-Hudson sector of the mid-Hudson Valley. Locally severe damage from road washouts, and deposition of mud, rocks and debris occurred near slopes of Mt. Beacon in southwestern Dutchess County.		
Queens and Nassau Counties	18	Early a.m.					4		Rain, flooding		
									Localized rain of cloudburst characteristics hit the Springfield Gardens, St. Albans and Queens Village sections of southeastern Borough of Queens as well as adjacent portions of Nassau County. Heavy damage to property and contents of numerous home basements occurred. Highway and street traffic stalled by flooded underpasses and low-lying areas. Official rainfall measurement of 1.79 inches at Hempstead-Garden City (Nassau County) but storm totals very likely heavier in southeastern Queens.		
NORTH CAROLINA											
Pasquotank County	8	9:48 a.					0	0	Funnel Cloud		
									Pilot reported tornado moving southwest five miles south of Elizabeth City Coast Guard station, but no evidence of surface effects.		
Wayne County	8	3:20 p.					4	0	Electrical; rain		
									Lightning hit substation in Goldsboro, causing power outage. Also struck and damaged tobacco barn and contents. Rain flooded some city streets.		
Most of State	11-12						5	4	Rain, wind, hail, electrical		
									A broad trough of low pressure and frontal system caused general rains and scattered thunderstorms. Some very heavy amounts of three to six inches, flooding streets and construction sites. Lightning burned a store building with merchandise, struck a tree which fell on an auto and a house roof. Another tree blew down on a house. Hail fell in two areas of the Sandhills, damaging late crops and gardens.		
Sampson County	17	6:00 a.					0	2	3	0	Fog
											Six autos involved in accidents in heavy fog. Two persons injured, cars battered.
Alexander, Ashe, Caldwell, Catawba, Haywood, Iredell, Surry and Wilkes Counties	18-21						0	2	5	4	Rain; electrical
											Heavy rains up to 12 inches over weekend caused two floods, mainly on upper Yadkin River and tributaries. Heaviest damage in and near town of Elkin; flooding on Elkin Creek reported the worst since 1940. At least three bridges washed out, massive damage to highways; water mains and sewer lines broken, contaminating city water. Fences broken down, parks devastated, basements flooded and caved in. Mud slide on highway caused auto accident, injuring two. Fields eroded and crops damaged. Scattered minor fires and electrical damage from lightning.
Coastal Plain	29-1						0	0	7	5	Tropical storm; rain, wind
											Hurricane Ginger approached coast on 29th, entered near Morehead City 30th, and remained within state until late on 2nd; principal damage was to crops. Over east portion of north and central Coastal Plain, 8 to 15 inches of rain softened the earth and winds blew corn
NORTH CAROLINA (continued)											
											and soybeans flat. Cotton, peanuts and sweet potatoes also damaged. Numerous trees blown down, limbs broken, over a large area. Some structural damage, mainly to mobile homes, roofs, boats, piers and beach houses in Atlantic Beach-Morehead City area. Some beach erosion; also some field and highway erosion due to washing rains. Highest wind gust reported MW 92 m.p.h. at Atlantic Beach. Ocean tides up to 4 feet above normal, sea to ten feet. In Sounds and estuaries, some tides in excess of six feet above normal. Water on streets and in houses in Belhaven, New Bern, Washington and Cherry Point. Some fresh-water flooding inland from heavy rains. No known deaths or injuries.
NORTH DAKOTA											
Northwest and Southeast	3-5						0	0	0	7	Heavy rains
											Heavy rains of 3 to 5 inches were reported across the northwest, the heaviest was generally on a line from Watford City through Bottineau. The southeast counties had more variable rains from 1 to 4 inches. Greatest amounts reported: 5.31 inches at Donnybrook and 5.09 inches at Tower. These heavy rainfalls, with continued smaller amounts, have caused long harvesting delays in the northwest and north.
											FUNNEL CLOUDS ALOFT DURING SEPTEMBER
											County Date Time Location
											Grand Forks 2 6:05pm near Larimore
											Grand Forks 2 6:05pm Grand Forks 21SW
											Sargent 4 6:00pm Milnor 8S
											Ramsay 5 1:30pm Devils Lake 5SE
											Grand Forks 29 5:30pm Grand Forks 20W
OHIO											
Brunswick Area, Medina County	4	5:00 p					1	2	3		Electrical
											A man was killed and his son and another man were injured by lightning. Several power outages and minor fires in northeastern Ohio were also caused by lightning.
Much of State	6	Afternoon evening					0	7	5		Electrical, rain and wind
											Seven persons were injured at Granville (Licking County) when lightning struck a tree under which they took shelter when rain started during a tennis match. Outdoor activities were curtailed in much of southwest Ohio as heavy rains and lightning were reported in Clark, Champaign, Logan, Madison and Greene Counties. Flash floods struck much of New Carlisle, Medway and Park Layne (Clark County). Power outages due to lightning were also reported in the Newcomerstown-New Philadelphia areas. Several locations reported rainfalls of 1 to 2 inches but 3.13 inches fell near Marion.
Chillicothe Area, Ross County	6	Evening									Funnels aloft
											Two funnels aloft were sighted in Huntington Township.
Fireside, Seneca County	11	1:56 a					0	0	4		Tornado
											A tornado ripped through a portion of County Road 178, about a mile west of Sandusky, causing an estimated \$5,000 damage to a newly-built home.
Southwest Ohio	11-12	Evening-morning					0	0	6		Rain
											Heavy rains fell over portions of Cincinnati and other Southwest counties flooding basements, roads and causing millions of dollars damage to the Merrell Pharmaceutical Plant in Cincinnati. The flash flood filled underground offices at the Merrell Plant and rose to at least three feet on the ground level floor, destroying the firm's computer equipment.
OKLAHOMA											
Shidler and Pawhuska, Csege County	4	About 3:00p.					0	0	1	0	Wind
											Strong wind caused an unknown amount of damage to some metal buildings at Shidler and some utility lines at Pawhuska.
Jackson, Kiowa, Comanche and Cotton Counties	4	4:00p.-7:00p.					0	0	5	7	Wind, heavy rain
											Thunderstorms raked parts of southwest Oklahoma with strong wind and heavy rain during the late afternoon. Small hail was reported in several areas. Official rainfall of 5.49 inches at Hobart and 5.01 inches at Altus caused flash flooding which resulted in considerable damage to farm land mostly in the Hobart area. Wind damage occurred at Devol in Cotton County and at Lawton in Comanche County. Wind speeds were clocked at 60 m.p.h. at Altus AFB.
Skiatook, Tulsa County	4	9:00p.					0	0	5	0	Lightning
											Expensive home destroyed by fire set by lightning.

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SEPTEMBER 1971

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					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA (continued)									
Owasso, Tulsa County	4	10:00p.			0	0	4	0	Lightning
A home and contents were heavily damaged by a fire set by lightning.									
Eastern Pawnee County	4-5	p.m., 4th - p.m., 5th			0	0	?	0	Heavy rain, hail, lightning
Heavy rain, severe lightning and small hail struck during the evening of the 4th and continued through the afternoon of the 5th. The two-day rainfall total at Cleveland was nearly 10 inches with lesser amounts in surrounding areas. Several boats were sunk on Keystone Lake. A number of roads suffered heavy damage. Lightning struck a building at Cleveland causing minor damage. Small hail caused no reported damage.									
Tulsa County	4-6	p.m., 4th - a.m., 6th			2	0	6	0	Heavy rain, flash flooding, wind
Heavy rain resulted in flash flooding which caused extensive damage in Tulsa County. The National Weather Service at Tulsa recorded 7.63 inches during the three-day period. A store building in Tulsa collapsed under pressure from high winds and water accumulating on the roof. Damage to the store was estimated at \$1 million. At Kiefer, southwest of Tulsa, flash flooding caused an estimated \$500,000 damage. A large number of homes were flooded in Tulsa, Jenks, Kiefer, Glenpool, Sand Springs, Sperry, Bixby and Skiatook. One man drowned at Sand Springs and a lady drowned at Tulsa.									
Henryetta and Okmulgee, Okmulgee County	5-6	Early a.m., 5th - p.m., 6th			0	1	4	0	Flash flooding, wind, hail, lightning
Rain of approximately 8.5 inches at Okmulgee within a 24-hour period caused flash flooding of several streets. Wind gusts were estimated at 55 m.p.h. at Okmulgee along with 1 3/4 inch hail. Lightning set fires damaged a business building at Okmulgee and a home at Henryetta. A lady was seriously burned on the hands and feet while attempting to extinguish the blaze at her home in Henryetta.									
Bristow, Creek County	5	4:00p.			0	0	0	0	Hail
One and three-fourths inch hail was reported at Bristow.									
10 ESE Tulsa, Tulsa County	5	5:00p.							Funnel aloft
Pharoah, Okfuskee County	5	About 7:00p.			0	0	4	0	Lightning
Lightning-set fire destroyed a home.									
Near Quinton, Pittsburg County	5	9:30p.	1	*1/4	0	0	4	0	Wind
Wind of 70-80 m.p.h. destroyed a machine shed on a ranch.									
Tulsa, Tulsa County	6	3:45a.			0	0	4	0	Lightning
Lightning-set fire damaged a school building.									
Oklahoma City, Oklahoma County	6	About 3:20p.			0	0	3	0	Wind, hail
Strong wind caused scattered, mostly minor damage within the City. Three-fourths inch hail caused no damage.									
East of Chickasha, Grady County	6	4:15p.			0	0	0	0	Hail
One and three-fourths inch hail caused no reported damage.									
Tulsa, Tulsa County	16	Early a.m.			0	0	4	0	Flash flooding, lightning
Official rainfall of up to 6.01 inches caused flash flooding in northeast Tulsa. Lightning struck a business building and set it afire. Other lightning strikes disrupted electrical service.									
Kenton area, Cimarron County	17	a.m.			0	0	0	0	Snow
The earliest snowfall of record in Oklahoma left 3 inches of snow on the ground in the Kenton area.									
OREGON									
Junction City area, Lane County	1	8:00 a. - Noon	?	?	0	0	0	4	Wind
A passing storm front through the area was accompanied by damaging wind that flattened most of the 23,000 acres of sweet corn in the county. The stalks were either broken or heeled over in the damp ground at an angle thus making machine picking impossible. Some damaged corn would be salvaged for silage. Fastest 1-minute wind observed at Eugene Weather Service Office was 27 m.p.h. at 11:07 a.m.									
Western half of State	16-22	All Days			0	1	?	?	Wind

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OREGON (continued)									
Wet dry gusty easterly winds pushed westward across the Cascades during the period and fanned slash fires out of control. Burned forest acreage totaled 4700 acres for Mt. Hood, 1100 acres for Siskiyou and 400 acres of each Ochoco and Willamette National Forests and nearby areas. The stronger 1-minute winds were recorded as: Portland Airport 16th, 35 m.p.h. east at 2:08 p.m., 17th, 35 m.p.h. east at 12:37 a.m.; Portland Morrison Bridge 16th, 36 m.p.h. northeast at 2:46 p.m., 17th 38 m.p.h. northeast at 12:28 p.m.; Sexton Summit NSO, 17th 45 m.p.h. east-southeast at 3:57 p.m.; Mt. Hebo Air Force Radar Station 50-86 m.p.h. from 7:00 a.m. on 16th - 7:00 p.m. on 17th which varied in direction from north-northeast to east-southeast. Peak wind of 86 m.p.h. at Mt. Hebo occurred at 6:00 a.m. on the 17th. One lady was seriously injured when gusty winds toppled a large fir tree across her summer cabin at Devil's Lake area located 11 miles northeast of Detroit. Toppled trees also damaged a home at Grants Pass and crushed an automobile at Hood River.									
Most of State	24-30	All Days			0	0	?	?	Snow
First major snow storm of season blanketed higher elevations of the Cascades, Blue Mountains and three large southeastern counties. Snow began sticking at the higher elevations on the 24th, but most areas received their heaviest snow on the 28th. Most locations above 3500 feet elevation received ground cover of 1-4 inches with depths of 5-8 inches above 4500 feet elevation. Greatest fall of 32 inches was recorded at Crater Lake National Park Headquarters with greatest depths of 24 inches on the 30th. Numerous mountain passes were hazardous and several accidents were reported. Seven persons were rescued off the Steeps Mountains on the 29th after roads became blocked by 2-foot snow drifts.									
PACIFIC									
Saipan, Mariana Islands	1	10:23 a. - 10:27 a.							Funnel cloud
Funnel cloud from towering cumulus with base 3,000 feet, top 10,000 feet, moved south-southwestward 5 miles east-southeast of Kobler Field, Saipan.									
	1	12:26 p. - 12:37 p.							Funnel cloud
Second funnel cloud at about same location as previous one, but moving south-southwestward. Color very dark, with isolated rain shower and several towering cumulus clouds in vicinity.									
PENNSYLVANIA									
Delaware, Philadelphia, Chester, Bucks and Montgomery counties	11-14				16	?	97	0	Rain, lightning
Showers and locally heavy thunderstorms spawned by a complex low pressure system over Pennsylvania caused widespread flooding and traffic jams. Rainfall totals for the period generally ranged from 4 to 8 inches with over 12 inches at West Chester. Chester Creek peaked 8 feet higher than any other recorded level. Neshaminy Creek was 15 feet above normal near Allentown. President Nixon declared the region a major disaster area. 300 state police were sent to Chester to help the 127-man local force. At least 15 persons lost their lives and scores were injured. The deaths which occurred mostly on bridges of rain-swollen creeks were: 1 man near Phoenixville (Schuylkill River); 1 woman near Lansdale on Route 73 (Skipack Creek); 1 man near Collegeville (Skipack Creek); 1 woman, Stony Creek; 1 man and 1 woman 2 miles south of Baltimore Pike near Concord (Chester Creek); 3 men and 3 women in Chester (Chester Creek); 1 woman near Penn Central tracks at Mt. Alverno Road in Aston Mills; 1 man about 1 mile south of Route 1 near Birmingham (Chester Creek); 1 man 11 feet north of Baltimore Pike near Chelney Road, Concord.									
The water supply in Chester and nearly a dozen Delaware County communities was polluted. Flood damages were estimated at 17 million dollars with Norris town and Chester hardest hit. Montgomery County alone estimated 7 million dollars damage to property and 2 million dollars to roads and bridges. Hundreds of persons evacuated from their homes, especially in Chester where some 500 homes in the Eyre Park section were wrecked when a stone dike broke; water rose to 40 feet. An 80-foot deep limestone quarry just north of Conshohocken overflowed and inundated 40 apartments. Germantown streets had over 3 feet of water and Philadelphia suburbs were inundated by as much as five feet of water. Bridges and roads were washed out with East Norris town along Route 202 one of the hardest hit municipalities. A Pennsylvania-Reading Seashore Lines freight train was derailed on the evening of the 13th when a section of truck roadbed was washed out in Swedeshboro. Sinkholes developed in many areas. The Schuylkill River crested at 20 feet. Building and development on flood plains was blamed for much of the flooding along creeks.									
Lightning caused at least 2 house fires in Chester. A 25-year old man was killed near Quakertown when he was struck by lightning while attempting to round up farm animals.									
Somerset, Bedford, Blair, Cambria count.	13	Evening			0	0	4	0	Lightning, rain
6,000 to 8,000 customers were without phone service between Johnstown and Bedford as lightning struck telephone cables. A bridge on Route 601 four miles north of Somerset was under 3 feet of water with scattered reports of flooded basements and disrupted electric service in the area. Lightning started 2 fires in Meyersdale									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
PENNSYLVANIA (continued)										
Westmoreland and Fayette counties	13-14				0	?	4	0	Rain	which caused minor damage. Around 7:05 p. a barn in East Loop, Blair County, was destroyed by fire after it was struck by lightning. Two beef cattle perished, and a tractor, hay, straw and oats were destroyed in the fire.
Adams County	16	3:45 p.	?	Narrow	0	0	4	0	Tornado	More than six inches of rainfall over a 24-hour period caused the Youghiogheny River and Jacobs Creek to burst their banks for miles in Westmoreland County, forcing the evacuation of hundreds of homes from Sutersville to Connellsville on the river and in the Scottsdale area on the creek. Schools were closed and bridges washed out. Indian Creek overflowed its banks and flooded 20 dwellings in Melcroft, closing a 10 mile section of Route 711. Rock and mudslides disrupted traffic on Route 40 on Summit Mountain east of Hopwood. Numerous homes in the Ligonier and Latrobe areas reported flooded basements. The Connellsville Hospital reportedly treated several persons for minor injuries. About \$25,000 damage was caused at a Boswell Lumber company when the Quenahoning Creek overflowed.
Cambria and Somerset counties	16	Afternoon			0	0	4	0	Wind, hail	A tornado touched down in the vicinity of Fountain Dale. The area is mostly mountainous. Damage to 2 cars was estimated at \$6,000.
										Extensive property damage resulted when 90 m.p.h. winds were recorded at the Johnstown airport with one hangar and an airplane damaged. \$1,000 damage occurred at a school complex near South Fork east of the airport. Electricity was interrupted for up to 2 1/2 hours to some 6,800 consumers and about 200 telephones were out of order. Some cars were damaged by fallen trees.
PUERTO RICO										
										None Reported
RHODE ISLAND										
										Data not received by publication deadline.
SOUTH CAROLINA										
Sumter County	12	3:30 p.	1	60	0	0	2	2	Small Tornado	The tornado was traveling eastward and struck an area about 10 miles southwest of Sumter. Trees were downed and a few buildings damaged. Some power lines were downed and damage was done to several cotton fields. Marble sized hail accompanied the storm.
SOUTH DAKOTA										
Sioux Falls area, Minnehaha County	7	5:25 - 5:35 p.	2 1/2	*1 1/2	0	5	5	0	Strong winds	Strong winds estimated at 70-90 MPH caused extensive damage in the southwestern part of Sioux Falls. The Park Ridge Shopping Center was one of the hardest hit by the storm. Considerable damage was also done at the Western Mall Shopping Center. The damage was mostly to windows and roofs as well as trees and utility lines. Four persons were injured by broken glass when a skylight broke at the Western Mall. Flying debris injured another person at the Goody Golf Course. Overall damage was estimated at \$55,000 to \$60,000.
Lennox, Lincoln County	30	5:30 p.			0	0	4	0	Strong winds	Winds estimated up to 60 MPH destroyed a grandstand. There was also damage to utility lines and trees.
TENNESSEE										
Shelby County	6	3:29p.							Funnel cloud aloft	Pilot reported funnel cloud, 10 miles east of Memphis.
Lafayette, Macon County	6	Late evening			4	0	0	0	Lightning	Four men, working in a barn hanging tobacco sticks, were killed when struck by lightning. It was reported that the lightning struck the metal roof of the barn.
Athens, McMinn County	11	3:30p.			0	0	4	0	Lightning	Lightning set fire to house roof on Paloe Street.
Maury County	11	7:00p.			0	0	4	0	Hail	Hail shredded corn fields. Heavy loss was reported in Cornersville and Ostella communities. Some rooftops also damaged.
Kingsport, Sullivan County	16	1:00p.			0	0	4	0	Wind	Strong winds (estimated at 50-60 n.p.h.) occurring with thunderstorms uprooted trees, toppled television antennas, and caused minor damage to several houses.
TEXAS										
H N Gonzales, Gonzales County	1	11:01 a.							Funnel aloft	
TEXAS (continued)										
28 WW Houston, Harris County	1	2:20 p.							Funnel aloft	
E Lake Jackson, Brazoria County	2	9:00 a.							Funnel aloft	
10 WW Wharton, Wharton County	2	2:40 p.							Funnel aloft	
Kirkland and Childress County	4	3:30 p- 3:40 p.	?	?	0	0	5	5	Wind and hailstorm	High winds, hail and heavy rain struck the Kirkland area east of Childress and caused extensive damage to property and crops. In Kirkland one vacant house was blown down, half of the roof of the post office was blown off, trees were uprooted. Storage tanks at the Kimbell Elevator were crushed, and the south wall of the Bolin Elevator was blown away. Winds were estimated at 85 m.p.h. Hail up to 1 1/2 inches in diameter fell during the storm. Average size of the hailstones was about 1/2 inch in diameter. Some cotton in the area was destroyed by the hail. Property damage was estimated at 100 thousand dollars, and crop losses were also 100 thousand dollars.
15 SSW Galveston, Galveston County	5	9:25 a.							Funnel aloft	
N Paducah, Cottle County	5	7:00 p- 8:00 p.	9	*2	0	0	4	5	Wind and hailstorm	High winds and hail raked crops and rural property in a 2-by-9 mile strip oriented north-northeast to south-southwest, just north of Paducah. Some hail fell within the city. Wind gusts estimated at 70 m.p.h. blew down powerline poles and damaged some trees. Hailstones 1/4 to 3/4 inches in diameter fell during the storm. Property damage was estimated at 30 thousand dollars and crop damage at 50 thousand dollars.
Near Shallowater, Lubbock County	9	4:25 p.	1/4	100	0	0	0	0	Tornado	A tornado touched earth briefly in the vicinity of Shallowater but caused no known damage.
Southeast and Southcentral Texas	9-13				2	0	7	7	Hurricane Fern	Hurricane Fern, not a ferocious storm, compensated for her lack of fury by dumping torrential rains of up to 26.0 inches in the Coastal Bend area of Texas. She caused some of the worst flooding since Hurricane Beulah struck the lower coastal area in September 1967. Fern was responsible for two deaths in Texas and total property and crop damage estimated at \$30,231,000. With a circulation somewhat disorganized at times, the capricious storm aimed first at the northern coast of Mexico, then for Galveston Island, and finally, after dawdling offshore for 14 hours or so, drifted ashore about 30 miles southwest of Freeport around 0600 c.s.t. on September 10. Still unable to make a final decision about going inland, Fern straddled the coastline as she moved southwestward another 100 miles with her circulation partly onshore and partly offshore. Upon reaching the Corpus Christi area, Fern stalled again for about 10 hours, from 2000 c.s.t. on the 10th to 0600 c.s.t. on the 11th. Beginning about 0600 c.s.t. on the 11th, Fern headed inland for sure, moving generally southwestward, then westward across southern Texas. She reached the Rio Grande about 50 miles south of Laredo, by 1000 c.s.t. on the 11th. She broke up in the mountains of north-eastern Mexico that evening, but continued to produce some rain in southern Texas on the 13th. The highest sustained wind speed measured on shore during Hurricane Fern was 85 m.p.h. from North through Northeast and occurred between 0930 and 1000 c.s.t. on September 10, at Port O'Connor. A peak gust estimated in excess of 100 m.p.h. from North through North-Northeast was reported at 1000 c.s.t., at the same location, when the anemometer blew away after measuring a gust of 100 m.p.h. Prior to landfall near Freeport, the highest wind speeds associated with Hurricane Fern were estimated at 90 m.p.h. As the storm drifted ashore and moved southwestward down the coast, maximum peak gusts were in the 70-75 m.p.h. range, except at the two locations mentioned above. After the storm moved inland across Baffin Bay, southeast of Kingsville, peak gusts decreased to 50-60 m.p.h. while the storm moved southwestward across southern Texas to the Rio Grande. The lowest barometric pressure recorded onshore was 28.92 inches, reduced to sea level, at Ingleside, San Patricio County, at 2245 c.s.t. on the 10th. The center of the storm appeared to pass directly over Ingleside, located on the north shore of Corpus Christi Bay. Tides along the upper Texas coast were 4 to 6 feet m.s.l. The highest, 6.0 feet, was observed at the U. S. Coast Guard Station at Freeport, at 0800 c.s.t. on the 10th. Minor flooding occurred in bays and estuaries from Galveston Bay to Corpus Christi Bay, but in general, damage was insignificant, except along the west side of Galveston Bay. Businesses in the Seabrook-Kemah area were flooded by a combination of high tides and heavy rains.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

SEPTEMBER 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM		
					KILLED	INJURED	PROPERTY	CROPS			
TEXAS (continued)											
									<p>From Palacios on the middle Texas coast to near Zapata on the Rio Grande, and from Odessa to Aransas Pass, Hurricane Fern dumped 10 to 26 inches of rainfall and caused the worst flooding in South Texas since Hurricane Beulah in September 1967. Numerous towns and communities were isolated; many were flooded. The heaviest storm total rainfall occurred in southern Bee County. A total of 26.0 inches fell two miles south-southeast of Beeville; 25.8 inches fell three miles north of Skidmore, while Papatote received 21.50 inches and Beeville 18.46 inches. Other impressive storm totals were: Refugio 19.86 inches; Mathis, 19.60 inches; Benavides, Station No. 2, 20.77 inches; and Kaffie Ranch (Jim Hogg County), 21.80 inches. A storm total of 10.47 inches was reported in Nuevo Leon, Mexico, 73 miles southwest of Laredo, Texas. The heavy rainfall on the Nueces northwest of Corpus Christi sent floodwaters crashing over Wesley Seale Dam at Lake Corpus Christi to cause major flooding along the lower Nueces River where rainfall was almost as heavy as above the dam. Considerable flooding occurred also on the Rio, Lavaca, Nueces, San Antonio, Guadalupe, Mission and Aransas Rivers.</p>		
									<p>Five small tornadoes and six funnels aloft are known to have occurred in association with Hurricane Fern. These are reported separately, in detail, elsewhere in the Texas section of STORM DATA.</p>		
									<p>Hurricane Fern was responsible for two deaths in Texas. There were no known injuries. One swimmer drowned at the Corpus Christi City Marina on September 11. Another person drowned near Refugio on the 12th.</p>		
									<p>Hurricane Fern caused an estimated \$15,166,000 in property damage, most of which was attributed to flooding. A Small Business Administration (SBA) official estimated 7,000 homes and 1,000 businesses suffered some damage within a 50-mile radius of Corpus Christi. Robstown and Sinton were the worst hit by floods. Longtime residents of both cities claimed the flooding was worse than during Hurricane Beulah in 1967. Damage at Sinton alone was estimated at \$5 Million. About 90 percent of the 2,000 houses in that area were affected in some way by the flooding. Water reached depths up to four feet in parts of Sinton, Robstown and Driscoll. In Robstown, a 70-foot break in a levee on the southwest edge of the city resulted in the inundation of about 10 blocks.</p>		
									<p>Nueces County Judge Robert M. Barnes said some rural areas suffered the worst flooding of this century. Extensive damage occurred to farmlands, fences, tanks and other installations throughout the Coastal Bend area. Flooding was extensive in Odem, Agua Dulce, Banquete, Benavides, Alice and Falfurrias. In the Alice area, creeks in general rose to about the same height as during Hurricane Beulah, but more rapidly and seemed to do more damage. The worst flooding in the city occurred in the Rancho Allegre addition where some homes had waist-deep water inside. Flood waters were three feet deep in some parts of Falfurrias. About 600 to 800 persons were evacuated. Railroad tracks between Falfurrias and Alice were washed out in places.</p>		
									<p>Because of the flooding, both property and crop damage was greatest in San Patricio County. Wind damage was slight except in Calhoun and Aransas Counties. At Port O'Connor, where sustained winds reached 85 m.p.h., and gusts of over 100 m.p.h. were reported, the roof of a motel was blown off, two 25-stall boat sheds were demolished, one mobile home was demolished, 4 or 5 others were overturned, and 25 to 30 mobile homes were blown off blocks. Homes and businesses in Port O'Connor suffered extensive roof damage.</p>		
									<p>Fortunately, most coastal area crops had been harvested prior to Fern's arrival; thus, agricultural losses were not heavy - totalling only \$5,065,000 for the storm affected area. While there was some permanent damage to fall and winter vegetables, and some reduction in yields and quality of cotton, sorghum, peanuts and soybeans, the second-crop rice was the most seriously affected by the heavy rains.</p>		
Texas City, Galveston County	10	6:15 a.	1/4	10	0	0	4	0	2 Tornadoes (Hurricane Fern)		
									<p>Two small tornadoes touched down in Texas City. One severely damaged a house at 12 1/2th Avenue N. while the other ripped off part of the roof of the Harbor Village Apartments at 1000 10th Street. Some trees were uprooted.</p>		
									<p>One of the funnels dipped down on county engineer Marshall Gresham's car.</p>		
									<p>"I was hit by that damned little tornado", he said. "It just shook the car and tried to turn it around. I could tell it was trying to turn it around but it didn't do it."</p>		
Jefferson County	10	10:05 a.							Funnel aloft (Hurricane Fern)		
									<p>Sighted 20 miles west-southwest of Jefferson County Airport.</p>		
Near Kingsville, Kleberg County	10	7:00 p.							Funnel aloft		
L E Riveria, Kleberg County	11	?	1/4	20	0	0	4	0	Tornado (Hurricane Fern)		
									<p>A small tornado caused 6 thousand dollars damage to buildings on the E. S. Childs Ranch four miles east of Riveria.</p>		
Near Falfurrias, Brooks County	11	Early Morning	1/4	10	0	0	3	0	Tornado (Hurricane Fern)		
TEXAS (continued)											
									<p>A small tornado struck a barn and threw it up against a tenant house in the La Capita community near Falfurrias. Damage was estimated at 7 thousand dollars.</p>		
Danevang, Wharton County	11	Noon							Funnel aloft (Hurricane Fern)		
N Orange Grove, Jim Wells County	12	10:00 a.							3 Funnels aloft (Hurricane Fern)		
									<p>Three funnel clouds were observed aloft on the E. Hartman Ranch north of Orange Grove.</p>		
N Orange Grove, Jim Wells County	12	10:00 a.	1/4	10	0	0	3	0	Tornado (Hurricane Fern)		
									<p>A small tornado destroyed a small tractor shed on the S. C. Wolfe Ranch just north of Orange Grove. Damage was estimated at 1 thousand dollars.</p>		
Near Alfred, Jim Wells County	12	Morning							Funnel aloft (Hurricane Fern)		
Garland, Dallas County	13	2:30 p.					0	0	2 Whirlwind		
									<p>A whirlwind, accompanied by a loud "boom" sound, blew out a 3 1/2 foot diameter hole in the roof of the Mrs. Dan Roe home at 2106 Rochdale in Garland.</p>		
									<p>"My first reaction was that it was either a gas explosion or something had fallen from an airplane. There was a boom and shingles were flying", said Mrs. Roe.</p>		
									<p>Sharing Mrs. Roe's witness of the whirlwind was Mrs. Bill Wozack, a neighbor, who also saw trash cans being blown off and lawn furniture being lifted off. The whirlwind continued westward, and on the next street, at 2402 Sylvan, it pulled up a clothesline, knocked bricks from a brick wall around a patio, and blew lawn furniture through a sliding glass door. Then it continued down the center of Guildford Street. Damage was estimated at \$100.</p>		
Southeast Texas	14-17						0	3	5	5	Hurricane Edith
										<p>For the most part, Hurricane Edith stayed well off the Texas coast and only the southeastern corner of the state was caught in the fringe of the storm.</p>	
										<p>There were no deaths in Texas caused by Hurricane Edith; a few persons in the Port Arthur area suffered very minor cuts and bruises from flying debris and splintering glass, while total storm damage came to about \$180,000.</p>	
										<p>Edith kicked up waves off South Padre Island 8 to 10 feet high, but storm tides on shore were, as expected, highest along the upper coast. Tides up to 5.0 feet m.s.l. were reported along U. S. Highway 87 between Sabine Pass and High Island.</p>	
										<p>Maximum sustained winds were highest at Port Arthur and Freeport - 40 m.p.h. from the north-northeast at Freeport, and 10 m.p.h. from the east, at the National Weather Service Office at Port Arthur. The peak wind gust - 53 m.p.h. from the northeast, occurred at Galveston.</p>	
										<p>The lowest barometric pressure known to have been observed in Texas was 29.53 inches, at Brownsville, at 0600 c.s.t. on the 15th. Freeport, Galveston and Port Arthur each reported a minimum pressure of 29.54 inches.</p>	
										<p>Edith's rainfall in Texas was not heavy, the maximum being 3.50 inches at Sabine Pass.</p>	
										<p>Three funnels aloft in Texas are known to have been associated with Hurricane Edith. These are reported separately elsewhere in the Texas section of STORM DATA.</p>	
										<p>Property damage in Texas resulting from Hurricane Edith was estimated at \$105,000. All but \$5,000 of this total was in the Port Arthur-Sabine Pass area of Jefferson County. In Port Arthur, a number of plate glass windows were blown out, several house fires were started by fallen power lines, and limbs and trees were blown into the streets. Also, there was some minor flooding. Total crop damage was estimated at \$75,000 - chiefly rain damage to fall and winter vegetable crops, and to the second-crop rice.</p>	
3 N Harlingen, Cameron County	14	11:12 a.								Funnel aloft (Hurricane Edith)	
Near San Perita, Willacy County	14	Afternoon								Funnel aloft (Hurricane Edith)	
7 E Houston, Harris County	15	6:53 a.								Funnel aloft	
10 WW Einburg, Hidalgo County	15	4:15 p.								Funnel aloft (Hurricane Edith)	
Swisher and Hall Counties	16	1:00 a. - 4:00 a.	30	*6	0	0	4	7		Hailstorm	
										<p>Small hail, averaging about 1/4 inch in diameter, damaged milo, soybean, cotton, corn and castor bean crops across a 6-by-30 mile strip of southern Swisher and northern Hall Counties. Hardest</p>	

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					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
									hit was the Edmonson to Kress area. Crop damage was estimated to vary from 10 to 90 percent. The hail covered the ground to a depth of two to three inches in places. Some minor property damage was reported in Kress. Crop damage was estimated at 7.4 million dollars and property damage at 10 thousand dollars.
Lynn County	16	10:30 p-11:30 p	30	*6	0	0	4	7	Hailstorm
									One of the worst hailstorms in the history of Lynn County destroyed or damaged an estimated 55,000 acres of cotton and 5,000 acres of grain sorghum over a 180 sq. mile area. The storm entered the county from the northwest corner near the Lakeview community and covered an area in the county 6 miles wide and 30 miles long. Some of the hailstones were 3 inches in diameter. Average diameter was 3/4 inch. Crop damage was estimated at 5 million dollars and property damage at 20 thousand dollars.
6 N McCook, Hidalgo County	18	4:35 p							Funnel aloft
3 NE Harlingen, Cameron County	22	11:34 a							Funnel aloft
Crockett County	23	p.m.			1	0	3	0	Flash flooding
									Gustavo Raul Sorola 49, of Ozona, drowned when Floodwaters of Johnson's Draw swept his pickup truck off a low-water crossing. His body was recovered 50 yards downstream.
5 S Robstown, Nueces County	24	12:45 p							Funnel aloft
San Diego, Duval County	24	5:30 p-5:37 p	**200	20	0	0	0	0	Tornado
									A small tornado touched down in vacant city blocks on the north side of San Diego, moved westward into a street, lifted, then touched down again on the west side of San Diego, where it uprooted a large tree. The funnel then lifted again, and dissipated. There were no injuries or damage, other than to the tree.
Garland-Mesquite area, Dallas County	24	6:00 p	?	?	0	2	5	0	Wind, heavy rain
									Severe thunderstorm winds accompanied by heavy rains of 3.75 inches or more ripped through the Garland-Mesquite area of eastern Dallas County and caused an estimated 100 thousand dollars in damage. At least two persons were injured by splintering glass. At the Palacio Del Rio apartment complex, 1701 Edgefield, in Garland, winds ripped off a section of roof, causing damage estimated at over 25 thousand dollars. Heavy rains caused additional damage to the contents of the unroofed apartments. Many businesses reported plate glass windows broken. A building constructed of sheet steel on Katy Street in Garland was flattened. Wind damage was estimated at 50 thousand dollars and water damage was estimated at 50 thousand dollars.
Near North Zulch, Madison County	24	6:20 p							Funnel aloft
10 ENE Bedia, Walker County	24	6:20 p							Funnel aloft
NE Alice, Jim Wells	25	2:30 p							Funnel aloft
UTAH									
West Side Utah Lake	2	Near dark			0	0	0	0	Tornado
									A funnel cloud which was observed to touch the ground in an unpopulated area near the west side of Utah Lake. The direction of travel, path length and width were not determined. No damage reported.
35 miles SSE Salt Lake City	3	1200 m.s.t.							Funnel cloud
									A funnel cloud near the north end of Utah Lake was reported by several observers. It did not appear to touch the ground.
Wasatch Front Counties Northern Utah	30	Aftn and night			0	0	4	3	Heavy Snow
									A heavy snowstorm the earliest ever recorded so early in the season swept across the northern Utah Wasatch Front counties during the afternoon and night of the 30th depositing 2 to 8 inches of snow in the valleys and more in the mountains. The heavy wet snow broke limbs of shade and fruit trees still covered with leaves, broke down power and telephone lines and collapsed a large display tent damaging displays at the Parade of Homes.
VERMONT									
Southern	16-17	Night			0	0	4	0	Wind, lightning
									Thundersqualls caused local damage, mostly by wind. Another series of thunderstorms in the forenoon of the 17th in central and northern portions caused little damage, but hail was reported in Rutland.
VIRGIN ISLANDS									
									None Reported
VIRGINIA									
Southeast	30				0	0	4	0	Rain, Wind, Tide
									Heavy rain from Hurricane Ginger began on the 30th and continued through October 3. Totals exceeded five inches at several locations with minor flooding occurring in low areas. A few trees were blown down and some isolated utility outages occurred. Moderate to heavy beach erosion was reported at Virginia Beach.
WASHINGTON									
									None Reported
WEST VIRGINIA									
Kenova, Wayne County	16	11.05 a			0	1	0	0	Lightning
									Lightning struck and knocked unconscious the custodian of Kenova High School while he was on his lunch break, and walking on Walnut Street. Kenova is a suburb of Huntington. The lightning first struck a nearby power transformer and bounced off to hit the man, giving him second degree burns from his waist to his knees. A policeman's prompt attention put out the fire in his burning clothing and sent him to a nearby hospital. The man is still hospitalized from his burns.
WISCONSIN									
Grant County	4	3:30 p			0	0	4	0	Wind
									Strong winds accompanying thunderstorms did scattered wind damage in Bloomington area.
Dane County	4	5:15 p	1/2	50	0	0	3	0	Tornado
									Small tornado moving northward touched down briefly on Robert Burns farm in Town of Abdon doing minor damage.
Shewano County	4	pm			0	0	4	0	Lightning
									Lightning fire burns large barn on Giese farm near Gresham.
Buffalo County	8	8:30 a			0	0	4	0	Lightning
									Barn burns on Glen Michael farm 1 1/2 S Mondovi.
Buffalo County	8	10 a			0	0	4	0	Lightning
									Barn burns on Howard Kins farm, R.1. Mondovi.
Wood County	8	11 a			0	0	4	0	Lightning
									House trailer and contents burn at Moccasin Mobile Park, Nekeosa. Lightning struck nearby tree and went through wiring into the unoccupied trailer.
Clark County	9	5:45 a			0	0	4	0	Lightning
									Barn on Paul Humke farm 4 NW Greenwood burns in lightning fire.
Marathon County	9	am			0	0	4	0	Lightning
									Barn, milkhouse and some cattle destroyed in lightning fire on Arthur Beahn farm, R. 2, Spencer.
Wood County	9	am			0	0	4	0	Lightning
									Lightning fire destroyed barn on James Wyarski farm east of Rudolph.
Monroe County	9	9 a			0	0	4	0	Lightning
									Lightning destroyed barn on Nottestad farm 2 S Melvina.
Vernon County	9	9:30 a			0	1	3	0	Lightning
									Some damage done to building on Kliskner farm on C.T. U South of Cashton by lightning which also knocked farm owner to the ground.
Grant County	9	1:50 p	1/1	50	0	0	0	0	Tornado
									Small tornado moving Northeastward touched down briefly 3 miles south of Lancaster.
Vernon County	9	4:30 p			0	0	4	0	Lightning
									Lightning fire destroyed barn, milkhouse and silo on Levi Miller farm at 10 southeast Cashton.
Portage County	9	6:30 p			0	0	4	0	Lightning
									Lightning fire destroyed barn, granary and some cattle on Adolph Eiden farm on C.T. 2 in Town of New Hope.
Milwaukee County	18	7:16 a							Funnel aloft
									Funnel aloft reported over Lake Michigan 5 NE General Mitchell fld.
Dunn County	28	1:15 p	5	100	0	1	4	0	Tornado
									Tornado moving ENE-ward touched down in Weston and Irvington area south of Menomonie. One partially built house destroyed. Workman received broken pelvic bone as cement blocks were hurled through air. Some lumber from construction site off C.T. D found 1-1/2 miles downwind.
Chippewa, Clark, Marathon, Lincoln Counties	28	2:15 p	75	300	0	5	6	5	Tornado
									Large tornado moving ENE-ward first sighted in area south of Boyd and Stanley. Maple Grove Brethren Church on a town road between C.T. H and G southwest of Stanley lost doors and windows. Three persons injured as their car was blown 200 feet off C.T. H six mi. south of Stanley. Tornado continued on just south of Owen, north of Curtiss, south of Dorchester, south of Athens, weakening over Hamburg and lifting just north of Merrill. An estimated 60 farms received damage along track, many destroyed. Livestock and crop losses also severe. Damage estimated near \$2 million. A Dorchester farmer pulled from wreckage of barn with broken leg while a town of Holton farmer received severe cuts and bruises.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

SEPTEMBER 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
WISCONSIN (continued)										
										Otherwise only minor injuries. Times of passage at Thorp 2:45, Curtiss 3:10, and Athens 3:45.
Marathon, Langlade, Menominee, Oconto, Marinette Counties	28	4:00 p	75	300	0	5	6	0	Tornado	Large tornado developed over town of Hewitt northeast of Wausau and after destroying the Town Hall and 4 barns continued ENE-ward into Langlade County. The funnel passed about 6 miles south of Antigo across extreme NW corner of Menominee County, just south of White Lake, across northern edge of Mountain to Middle Inlet located north of Crivitz. Most severe damage occurred at Mountain
WISCONSIN (continued)										
										where damage to buildings and trailers were estimated at \$200,000. Also extensive damage to property and trees in Boulder Lake area where lake level of large lake was reported to have dropped 5 inches. One person injured at White Lake and 1 at Mountain, none seriously. Time of passage at Boulder Lake 5:00 and at Mountain 5:10.
WYOMING										None Reported

- ^o Includes crop damage.
- C Crop damage.
- * Miles instead of yards.
- ** Yards instead of miles.
- † Storm damages are placed in categories varying from 1 to 9 as follows:
 - 1 Less than \$50
 - 2 \$50 to \$500
 - 3 \$500 to \$5,000
 - 4 \$5,000 to \$50,000
 - 5 \$50,000 to \$500,000
 - 6 \$500,000 to \$5 Million
 - 7 \$5 Million to \$50 Million
 - 8 \$50 Million to \$500 Million
 - 9 \$500 Million to \$5 Billion.

Note: This publication contains our best information on storms but, due to the difficulties inherent in collection of this type of data, it is not all-inclusive. Late Reports and corrections will be carried in the June and December issues of this publication.

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