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STORM DATA

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1972

STORM DATA AND UNUSUAL WEATHER PHENOMENA

SEPTEMBER 1972

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	
ALABAMA									
Cullman, Cullman County	22	2:00 p			0	1	5	0	Rain, Wind
									More than 4 inches of rain in one hour flooded automobiles and homes. High winds uprooted trees and tore down powerlines. One person injured slightly when small fruit stand blown over. 80% of damage due to rain, 20% by wind.
Florence, Lauderdale County	28	5:00 p			0	0	0	0	Funnel Cloud
									Public reported funnel cloud about 5 miles north of Muscle Shoals Airport near Florence.
Cloverdale, Lauderdale County	29	6:00 p			0	0	4	0	Wind
									High winds destroyed 3 mobile homes, damaged three houses, two severely and uprooted trees in Cloverdale community about 10 miles north northwest of Florence.
ALASKA									
					NONE REPORTED				
ARIZONA									
Cottonwood (5 mis. S)	5	5:55 p.			0	0	0	0	Funnel cloud
									Pilot reported funnel cloud aloft. Funnel did not touch ground.
Willcox (near)	9	2:10 p.			0	0	0	0	Tornado
									A funnel cloud touched the ground in an uninhabited area on the Willcox Playa. The funnel formed under a very dark cloud from which heavy rain appeared to be falling. Frequent lightning was observed in the vicinity of the storm.
Mesa	10	7:05 p.	1.8	700	0	1	6	0	Tornado
									A tornado touched ground near the intersection of South Alma School Road and West Broadway in Mesa, moving in an east-southeasterly direction. It crossed Country Club Drive and turned northeast, dissipating near the intersection of South Mesa Drive and East Broadway. The tornado was attended by locally heavy rain and one-inch hail. Observers reported that frequent cloud-to-cloud lightning occurred near the storm and that some strokes were copper-green in color. One injury occurred when a seventeen-month-old girl was cut by flying glass.
Bullhead City (8 mis. south)	18	4:00 p.			0	1	5	0	Tornado
									A tornado, lasting less than one minute, caused considerable damage to mobile homes in the Mohave Mesa area. A man was hospitalized due to injuries caused when his mobile home was severely damaged by the wind.
Parker (10 mis. NE)	18	5:00 p.			0	0	4	0	Tornado
									A small tornado demolished a number of dwellings at Pierpoint Landing. Heavy rains and lightning accompanied the storm.
Tucson	18	5:08 p.			0	0	4	0	Wind
									Strong winds associated with a thunderstorm unroofed a number of homes and a store. Heavy rains accompanying the storm damaged furniture and merchandise in roofless buildings.
ARKANSAS									
Fayetteville - Washington County	28	7:50 p.			0	2	3		Lightning and rain
									Two persons slightly injured when struck by lightning. Heavy rain collapsed a rock wall which fell on several automobiles.
West Memphis - Crittenden County	29	3:48 p.							Funnel cloud
									Funnel cloud reported by West Memphis police department. Funnel was also observed by Memphis Weather Service Forecast Office personnel. Dissipated without touching ground.
CALIFORNIA									
NONE REPORTED									
COLORADO									
NONE REPORTED									
CONNECTICUT									
NONE REPORTED									
DELAWARE									
Southern areas	1-2	11:00p-11:00p.							Rain
									Tropical Storm Carrie gave some locally heavy one-day rainfall. Totals, in inches, for selected stations included: Dover, 2.93; Bridgeville, 2.32; and Georgetown, 2.59. No damage was reported. There were no reports of unusually high winds or high tides.
DELAWARE (continued)									
Delaware Bay (near Woodland Beach)	14	5:30p.			0	0	0	0	Waterspouts
									Five or six waterspouts, associated with severe thunderstorm activity, were observed moving from the north. There was a boating accident around this time but it could not be confirmed whether it was caused by the waterspouts. An 18-foot boat was overturned and the two occupants were found along the beach, miles apart.
FLORIDA									
12 NW Palm Beach	01	5:20p							Funnel aloft
Key West	02	6:41a							Funnels aloft(2)
Venty Miami	02	10:25a							Funnel aloft
5 SW Miami	02	11:50a							Funnel aloft
15 W Boca Raton	02	4:26p							Funnel aloft
25 SE Vero Beach	03	5:00p							Waterspout
10 WSW Pensacola	05	3:45p							Waterspout
12 NNE Key West	06	7:21a							Waterspout
8 NE Key West	06	1:50p							Funnel aloft
10 E Ft. Lauderdale	08	6:55a							Funnel aloft
Key West	09	3:29p							Funnel aloft
2 NE Key West Stock Island	09	4:23p	1/2	50	0	0	3	0	Tornado
									This tornado moved across open area north of US 1 no damage, then had intermittent path of minor damage south of US 1. Could have started as waterspout.
10 SW Flamingo	10	9:15a							waterspout
12 E Miami	11	1:00p							Funnel aloft
10 NE Miami	12	6:50a							waterspout
15 SW Ft. Myers	13	3:46p							Waterspout
Venty Ft. Lauderdale	15	7:59p							Funnel aloft
4 NW Key West	15	8:19p							Funnel aloft
8 NE Key West	16	2:35p							Funnel aloft
4 NE Key West	16	2:42p							Waterspout
15 W Key West	16	4:10p							Funnel aloft
Biscayne Bay 5 E Miami	20	7:45a							Waterspout
7 NE Key West	20	1:30p							Waterspout
Near Key West	20	4:57p							Funnel aloft
Near Bradenton 30 S Tampa	20	5:17p							Funnel aloft
Venice	20	about 8:00p				0	3	0	Lightning
									Three persons reported having received electrical shocks from lightning bolts. One injured was a nurse at the Venice Nursing Center after a bolt of lightning struck near the nursing center. Also a state trooper and his 4 year old daughter received minor electrical shocks when a lightning bolt struck near the home and surfaced through the floor of their family room. Both were sitting on metal frame stools.
Key West	22	11:38a							Waterspout
7 W Key West	22	1:14p							Waterspouts (6)
13 SSE Palm Beach	22	4:20p							Waterspout
2 E Palm Beach	22	5:08p							Funnel aloft
Jupiter 18 N Palm Beach	23	9:27a							Waterspouts (2)
8 NE Key West	24	8:16a							Funnel aloft
16 S South Bay	24	daytime							Funnels aloft (5)
									five funnels aloft were sighted.
1 SW Pensacola	25	4:15p							Funnel aloft
12 N Key West	27	1:30p							Funnel aloft
6 N Key West	27	2:40p							Funnel aloft
10 SW Key West	28	1:30p							Waterspout

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GEORGIA									
Autreyville, Colquitt County	9	5:00 p			0	0	4	0	Windstorm
Winds with reported speeds up to 80 m.p.h., hit the Moultrie-Thomasville Airport near Autreyville. One small plane was destroyed and two others were heavily damaged. Other damage to barns and roofs was reported in the area and trees were uprooted.									
Brunswick, near	10	8:26 a							Waterspout and Funnel Cloud
Reported by a pilot 5 miles east of the Brunswick Airport on Saint Simons Island.									
Bowdon, Carroll County	17	7:30 p			0	0	4	0	Lightning
The roof and wiring of a church were damaged by lightning and rain pouring through the damaged roof caused additional damage inside the church. A meeting was in progress in the church but no one was injured.									
Brunswick, near	25	6:34 a							Waterspout
Sighted east of Jekyll Island and 10 miles southeast of the Brunswick Airport.									
Cobb County	27	4:00 p							Funnel Cloud
Reported by Cobb County Police about 15 miles northwest of the Atlanta Airport.									
Buford, near	27	4:27 p			0	0	3	0	Windstorm
Strong winds hit the Holiday Marina on Lake Lanier. One boat dock was destroyed and others damaged.									
HAWAII									
NONE REPORTED									
IDAHO									
Mountain Home 5S, Elmore County	6	Afternoon	3	750	0	0	2	4	Hail
Several hundred acres of pinto beans were "shelled" by 1 1/2 inch-diameter hail. The hail also ripped leaves from sugar beet plants, broke a number of automotive windshields and damaged roofs to buildings in the area.									
Twin Falls 9 ENE, Jerome County	18	Evening			0	0	3		Wind
Strong gusting winds tipped over a large house trailer on I-80 blocking westbound traffic.									
ILLINOIS									
CST									
Northern Illinois	12-13	Evening Morning			0	0	0	0	Heavy rain
Heavy rains began on the 12th and continued into the morning of the 13th in the northern quarter of the state. There were a number of stations reporting over 4 inches of rain which produced flooding and associated crop and property damage. Mt. Carroll, Rockford, Freeport, Marengo and the suburbs of Chicago were some of the communities which received flood damage.									
Central Illinois	13-14	Evening Morning			0	2	0	0	Heavy rain, wind, lightning
The frontal system associated with the heavy rain on the 12th and 13th pushed southeast as a cold front the evening of the 13th and the morning of the 14th. Heavy thunderstorm activity developed ahead of it and moved from Iowa through the central part of Illinois. Some of the communities that suffered considerable lightning, wind and flood damage included Peoria, Pekin, Morton, Bloomington-Normal, Minier and Onarga. Flash flooding caused some basements to collapse in Pekin. In Morton two girls were injured slightly as a carnival ride they were on was blown over. A large section of roofing was blown off at the Caterpillar Co. near Morton. A number of locations reported more than 4 inches of rain from the storm. Southern Chicago suburbs received heavy rains and flooding on the northern edge of the thunderstorm line.									
Winnabago, Boone, McHenry, Lake, Kane, DuPage, Cook Counties	17	0330p 0830p			5	0	0	0	Heavy rain, wind lightning, hail
Severe thunderstorms moving thru northern Illinois producing heavy rain. Many cities, especially the northwestern suburbs of Chicago reported flooding although not quite as bad as in the August 25, 1972 storm. Wind in excess of 50 mph produced some damage and lightning resulted in property damage and wide scale power outages. A 21 year old girl was killed by lightning in Morton Grove. Four people were killed as they attempted to take off from Meigs Field in Chicago. The storm struck and their plane plunged into Lake Michigan. Large hail was reported at a number of locations, the largest being approximately 1 1/2 inches in diameter near Aurora.									
Oak Park	19	Morning			0	1	3		Wind
Brief, high wind toppled a tree onto two cars and injured a woman.									
Mt. Carroll, Lena, Freeport, Carroll County, Stevenson County	20	0100p 0800p			0	1	4		Wind, lightning
Tree and power line damage. when blown off a hay rack. One man seriously injured in Lena									
ILLINOIS (continued)									
Quincy, 2E	20	0615p			0	3	4		Wind
Winds clocked at 80 mph by TV station. Two mobile homes were blown over resulting in minor injuries to 3 people. Damage to trees and power lines.									
Great Lakes Naval Station, North Chicago Waukegan	28	0555p	5	220 (avg)	0	20	6		Tornado, rain
The tornado touched down 1/8 mile SW of Forrestal Village Trailer Park and moved NE at about 30 mph to its termination point over Lake Michigan just east of downtown Waukegan, a distance of about 5 miles. The width of the path varied from less than 50 ft to 2 1/2 blocks. The damage, as a result, varied greatly in intensity and consisted of partial and total destruction of trees and buildings. Most of the injuries took place at the Naval Training Center where numerous trailers were damaged or destroyed. Apparently a large percent of them were not tied down. In addition to the tornado, there were other reports of wind damage in the Western and Northern Chicago suburbs accompanied by more torrential rains and flooding. Chicago Midway Airport reported 3.65 inches of rain on the 28th which included .87 inches in a 5 minute period.									
Peoria, 5 MW	28	0835p			0	0	3		Wind, Funnel Aloft
Some evidence indicated a funnel approached but did not touch the ground. There was structural damage to houses and a airport. Trees were sheared off 10-15 ft. above ground. It apparently was associated with a large area of thunderstorms which produced spotty damage through central and northern Illinois the afternoon and evening of the 28th, including the previously described tornado north of Chicago.									
INDIANA									
See data at end of table.									
IOWA									
Rensen, Plymouth County	6	5:00 p			50	0	0	0	Tornado
Brief touchdown in town.									
Plymouth County	6	5:30 p							Funnels (2)
Observed near LeMars.									
NW Jasper County	7	3:27 p							Funnel
From Harrison, Crawford & Carroll Counties south & southeastward into Montgomery, Adams, Union, Adair and Madison Counties	10-12				2	2	7	7	Heavy rains & flood
Rainfalls in three days (10-12) totaled 21 inches near Harlan (once in a 100 year occurrence for a 3 day rain approximates 8.2 inches over Shelby County). At 2NNE Harlan 12.49 inches fell on the 11th. Flash flooding was extensive and thousands of families were homeless due to high water. Flooding continued for some time after the 12th. Losses also extended by flood into downstream counties, particularly Fremont and Page. Preliminary estimates placed losses in excess of \$14 million to rural crops plus \$5 million public damage and \$1 million in private non-agricultural destruction. SCS estimated 108,000 acres of crops were flooded. Bucket survey and map published in Climatological Data Iowa, September 1972.									
Council Bluffs, Pottawattamie County	10	6:00 p			0	0	4	0	Windstorm
Shelby and Audubon Counties	10	7:55 p	5	100	0	0	4	4	Tornado
Originated near Jacksonville and moved NE to 4N Kimballton. One farmstead severely damaged.									
SE Clayton County	11	a. m.			0	0	4	4	Heavy rains
5-6 inches rain over Millville area. Turkey River flooded.									
Beebeetown, Harrison County	12	3:30 p	5	100	0	0	4	4	Tornado
Moved NE, six farms sustained damage.									
Logan, Harrison County	12	4:00 p			0	0	3	4	Hailstorm
1 3/4" diameter hail.									
	12	4:00 p			0	0	4	4	Windstorm
Blew down small buildings.									
Westside, Crawford County	12	5:00 p			0	0	4	4	Windstorm
Also 3/4" hail covered ground - damage mostly by wind.									
Sac City, Sac County	12	5:15 p			0	0	4	4	Windstorm
Winds were reported as high as 90 mph.									
Creston, Union County	12	6:00 p	1/2	100	0	0	4	0	Tornado
Boats pulled from mooring at Green Valley State Park. About 15 funnels observed dipping from clouds one of which touched down. Tree and high line damage. Moved NE.									
Macksburg, Madison County	12	6:19 p	21	200	0	0	4	4	Tornado
Moved NE. Sighted northeast of Creston as a funnel. Touched ground near southwest corner of Madison County and lifted near Patterson.									
5 SE Colo, Story County	12	6:30 p			0	0	4	0	Lightning

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IOWA (continued)									
6E Renwick, Wright County	12	6:31 p	2	100	0	0	4	4	Tornado
One farmstead damaged, only slight damage at a neighboring farm. Moved NE.									
Cedar Falls, Black Hawk County	12	9:15 p			0	0	4	0	Lightning
Black Hawk and Buchanan Counties	12-13	Night			0	0	5	5	Heavy rains
Also wind damage totaling about 20% of total. Two to four inches rain in Waterloo area with extensive damage.									
Dubuque County	12-13				0	0	5	4	Heavy rains
Heavy rains in and north of Dubuque.									
Sidney, Fremont County	13	5:23 p			0	0	4	4	Hailstorm
2 3/4" (baseball size) hail.									
2N Clarinda, Page County	13	5:41 p							Funnel
Between Percival & Sidney, Fremont County	13	5:43 p							Funnel
NE Appanoose County	13	7:24 p							Funnel
Cincinnati area, Appanoose County	13	Evening	3	1800	0	0	4	5	Hail and windstorm
Winds estimated at 100 mph. Moved SE. Damage about 50% by wind and 50% by hail.									
Winterset, Madison County	17-18				0	0	4	0	Heavy rains
Three to four inches rain in Winterset, began near 9:30 p. m. About 10% damage by wind.									
Luana, Clayton County	19	9:00 p			0	0	4	0	Windstorm
Windows broken, tree and roof damage.									
Maquoketa, Jackson County	20	1:00 p			0	0	5	0	Windstorm
Tree, line and antenna damage (cross bent on top of Sacred Heart Catholic Church) and several cars crushed under fallen trees.									
Clinton, Clinton County	20	1:51 p			0	0	5	4	Windstorm
Lines and hundreds of trees down - winds gusting to 65 mph.									
Hampton, Franklin County	24	Evening			0	0	4	4	Windstorm
Floyd to Allamakee Counties and adjacent areas	24-25				0	0	5	5	Heavy rains
Heavy rains night of 24-25 caused extensive crop and property losses. Turkey River highest since 1968 in upper reaches.									
Frederika, Bremer County	25	8:45 p	5		0	0	4	4	Windstorm
Some power lines, trees and some sheds and portable buildings damaged. Small hail covered the ground. Hail loss 10%.									
Fayette, Fayette County	25	10:30 p			0	0	4	0	Lightning
About \$25,000 loss; barn contents and machinery.									
Boone, Boone County	28	8:15 a			0	0	4	0	Lightning
6NE Des Moines, Polk County	28	12:42 p			0	0	3	0	Hailstorm
3/4" diameter (also NE section of Des Moines).									
Kellogg, Jasper County	28	1:30 p			0	0	4	4	Hailstorm
1 3/4" diameter upward to 3" diameter.									
Montour, Tama County	28	1:30 p			0	1	3	0	Lightning
Near Center Point, Linn County across NW Jones County, SE Delaware Co. and southern Dubuque County	28	1:50 p	66	2200	0	3	6	5	Tornado
Tornado path began near northeast of Center Point oriented from 240° to near south of Dubuque then oriented from 290° ending in Mississippi River 10S of Dubuque at 3:20 p. m. CST. Path as flown indicated at least 20 individual swaths mostly from NNW and WSW, but some from SE and N. 28 to 30 sets of farm buildings damaged or destroyed. Tornado funnels were partially or totally obscured by heavy rains, apparently preceding them. Fujita estimated wind speeds to 157 mph. At Dubuque airport wind speeds clocked to 61 mph. in gusts.									
Cedar Rapids, Linn County	28	3:02 p			0	0	3	4	Hailstorm
3/4" diameter.									
Mount Vernon, Linn County	28	3:08 p			0	0	4	4	Hailstorm
1 3/4" diameter.									
KANSAS									
McPherson, Reno, Rice Counties	1				0	0	3	4	Rain
Heavy rains in Central Kansas caused flash flooding over portions of McPherson, northern Reno, Saline and southern Rice Counties. Flooding was confined mostly to agricultural land on the Lower Smoky Hill River downstream from Lindsborg and on Little Cow, the Little Arkansas, Cow Creek, Opsum Creek, and on Turkey Creek.									
Sheridan County	5	about 5:10-5:15 p.	2	100	0	0	3	0	Tornado
Tornado, travelling ENE, touched down about 2 mi. south of Leoville and moved to 3 mile south of Dresden where it lifted.									
Decatur, Sheridan Counties	5	late afternoon			0	0	4	5	Wind, hail
Strong winds and hail caused damage in the Dresden-Jennings-Allison area. Largest hail was 2 to 3 inches diameter in the vicinity of Dresden.									
Decatur County	5	5:18 p.			0	0	0	0	Tornado
This was one of two tornadoes which touched ground for 2 minutes about 1 1/2 mi. west of Dresden.									
Decatur County	5	5:18-5:50 p.	3	80	0	0	5	3	Tornado
Tornado, which developed from a nearly stationary thunderstorm cell, touched ground for 2 minutes 1 1/2 mi. west of Dresden, destroying a barn. It moved NE as a funnel aloft to about 7 mi. southwest of Jennings where it touched down again very briefly, destroying seven buildings at a farm.									
Scott County	6	about 8:00 p.	1	1500	0	0	4	3	Wind
Strong winds gusting to an estimated 80 miles per hour downed trees, tore off porches, blew over a mobile home, and caused other miscellaneous damage in and near Scott City.									
North Central portion	6-7	night of 6-7			0	0	4	0	Lightning
Reported damage occurred locally in Clay and Rooks Counties.									
Leavenworth County	6	11:20-11:38 p.			0	0	3	3	Hail
Hail up to 3/4 inch diameter fell at Jarbalo, Leavenworth and Tonganoxie.									
Northeast one-fourth	6-7	night of 6-7			0	0	5	4	Rain
Torrential rains (more than 7 inches in some localities) caused considerable flash flooding. Clay, Pottawatomie, and Riley Counties had the heaviest flooding but Leavenworth and Jefferson Counties also had damage. Fancy Creek at Winkler and Rock Creek near Louisville rose to record or near record levels as a result of the storm.									
Franklin County	7	Before 8:00 a.			0	0	4	0	Lightning
Damage occurred at Ottawa, Pomona, and near Richmond.									
Saline County	13	5:15 p.			0	0	3	0	Hail
Hail 1/2 to 3/4 inch diameter reported just west of Salina.									
Eastern one-third	13-14	night of 13-14			0	0	4	0	Lightning, wind
Lightning damage occurred locally in Allen, Johnson, Leavenworth and Miami Counties. Principal wind damage was to power lines in the Mission area.									
Southeast portion	26	a.m.			0	0	4	4	Rain, lightning
Heavy rains caused flash flooding in Coffeyville and at scattered other locations in southern Montgomery County. Lightning damage occurred about 4 mi. east of Pittsburg.									
KENTUCKY									
Pulaski County	1	5:15 p.			0	1	0	0	Lightning
A Somerset man was struck by lightning during a brief thunder-shower. He lost consciousness for a few minutes, complained of temporary loss of feeling in his limbs, blurry vision, and a headache shortly after the incident. He was treated and released at a local hospital.									
Central	24	Afternoon			0	0	4	0	Lightning
Lightning associated with scattered thundershowers apparently was the cause of a barn burned in the Smora area of Hardin County and of a residence badly damaged by fire in the Hodgenville area, Larue County.									
Johnson County	29	Noon			0	0	4	0	Wind
High winds in the Flatgap area and the Cantrell Creek area in the early afternoon damaged the roof and porches of at least 2 homes and unroofed a barn; several pine trees were snapped and/or uprooted. Heavy rain accompanied the wind.									

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KENTUCKY (continued)									
Morgan County	29	1:00 p.	1	50	0	3	0 ⁴	C	Tornado
									News reports stated that 3 witnesses said they heard a tremendous roar and then spotted a funnel cloud rolling and turning in the air like a big barrel. The storm came from the direction of Silverhill, moving east-northeastward; hit first in the head of the Lower Sand Licks Section of eastern Morgan County and blew over a barn; then went over a hill onto the head of the Upper Sand Lick where it set down between two steep hills; blew out a side of a 7-room house (which then caught fire and burned), downed part of a tobacco barn, and then moved on up the side of a wooded hillside to cut a path 200 feet wide to the top. Three occupants of the destroyed house suffered minor injuries in the process of escaping from the house. Extensive damage to crops, orchards and trees along the path was reported. Residents stated it looked like the storm pulled the grass from the ground in some places. The storm damage path was reported to have been 50-200 feet wide and about 1 mile long.
LOUISIANA Lake Pontchartrain	2	7:20a.m.							Waterspout
									Near south shore in former.
Cameron Parish	14	1:30p.m.							Funnel clouds (2)
									South of Grand Chenier.
Vernon Parish	17	10:30a.m.			0	4	0	0	Lightning
									Four army reserve personnel injured when lightning struck in training area at Fort Polk. Two hospitalized overnight.
Orleans Parish	20	12:59p.m.							Funnel cloud
									Along Lake Pontchartrain shore 5 miles south-southwest of Lakefront Airport.
Caddo, Bossier and Webster Parishes	2	Afternoon			0	0	4	0	Wind, rain
									Scattered thundershowers brought locally heavy rains--up to 2.92 inches at Minden. Sand and gravel washed across several streets. Wind gusts up to 70 a.p.h. reported in northern portion of Shreveport.
Evangeline Parish	25	11:15a.m.							Funnel cloud
									Near Ville Platte.
St. Martin Parish	28	2:11p.m.							Funnel clouds (2)
									Near Atchafalaya.
MAINE									
State	3-4				2	0	5	0	CARRIE
									Storm Carrie brought strong winds to the coastal area with gusts in the range from 40 to 70 m.p.h. Considerable wind damage to boats and coastal installations. A cottage was blown from its foundation at Rockland. Falling trees and limbs damaged property and caused utility outages in the southern half of the state. Two deaths in the surf. Rainfall mostly 3 to 5 inches in the coastal section and 2 to 4 inches in the east, with totals down to near nothing in the extreme northwest. Much damage from erosion and local flooding with many road washouts. A home in Ft. Kent was undermined and near Eagle Lake a track washout caused a train derailment.
MARYLAND									
Southern areas	1-2	9:00p.-11:00p.			0	0	0	0	Rain
									Tropical Storm Carrie gave some heavy one-day rainfall. Totals, in inches, for selected stations included: Crisfield, 4.50; Salisbury, 2.52; Vienna, 2.43; Preston, 2.33; Royal Oak, 2.14; and Solomons, 1.65.
									The Salisbury FAA weather station reported a maximum sustained wind of 20 m.p.h. with a maximum gust of 31 m.p.h. Tides were not unusually high. No damage was reported; however, it did force a postponement of the National Hard Crab Derby at Crisfield.
Dandak	14	Evening			0	0	3	0	Lightning
									A fire, reported to have been caused by lightning, damaged a house. Damage was estimated at \$2,000.
MASSACHUSETTS									
Eastern	3				2	3	6	0	CARRIE
									Storm Carrie brought sustained winds of 40 to 50 m.p.h. to many coastal sections and islands, with gusts of 60 to 80 m.p.h. Some reported gusts near 100 m.p.h. on Cape Cod. Great loss of boats and coastal installations. Many buildings damaged by wind or falling trees and limbs. Many walls and buildings under construction collapsed, including a large structure in Boston, a shopping mall in Taunton, a garage in New Bedford and walls in Hyannis. Homes were undermined on Plum Island and 15 people were evacuated. Many autos damaged by falling trees and limbs along and near the coast. Many utility outages also. Roads blocked by fallen trees in some communities. Record-breaking rainfall in many coastal and island communities, with a storm total of 12.50 inches at Tashmoo on Martha's Vineyard in about 16 hours. Totals of 4 to 9 inches at most coastal sections but amounts fell off rapidly inland to mostly 1 to 2 inches in eastern Worcester County and to a trace or none in extreme northwestern Worcester County. Heavy flood and erosion damage in the heavy rain area. Plymouth was declared a local disaster area with many homes damaged or undermined. Thousands of cellars flooded. Two deaths and one injury from boats swamped by wind. One injured by a falling tree and one by flying debris.
MASSACHUSETTS (continued)									
East Princeton	7	1 p.	2	20	0	0	0	1	Dust Devil
									Hay picked up from field to height of 1000 feet, remaining in the air for about 15 minutes before falling several miles to the east.
Hampden	14	2:20 p.	1/4	30	0	0	3	1	Tornado
									Trees broken in northerly path. A camping trailer was carried into the air and a home damaged. A tent was blown 1/4th mile away.
New Bedford	14	4:40 p.	5	15-20	0	0	3	0	Tornado-waterspout
									Trees broken and uprooted and several homes damaged along a skipping southeasterly path about one mile long before passing offshore. Reformed as waterspout passing south of Fairhaven and across Long Island near Sconctic Neck. Base of waterspout estimated about 50 feet wide. Seen on land principally as whirling column of leaves, shingles, dirt and other debris near the ground with cloud funnel above. Accompanied by very intense rain, with some raindrops especially huge. Marked drop in temperature with rain, but it became hot again afterwards. Wind gusts to 50 m.p.h. recorded at New Bedford Hurricane barrier, about one mile from path, at 4:41 p.
Western	17	evening			0	0	4	0	Electrical, rain
									Scattered thunderstorms caused utility outages. A large dairy barn was hit by lightning and burned. Heavy rain up to one inch in spots caused temporary flooding. Local wind damage, with gusts to 65 m.p.h. at Pittsfield.
Southeastern	19	p.m.			0	0	4	0	Rain, wind
									Local washing and flooding from heavy rain. Totals locally up to about 4 inches in New Bedford area. Many auto accidents due to loss of brakes after travelling through flooded streets. Wind felled many tree limbs, causing utility outages. Gusts to 50 m.p.h. recorded at the Cape Cod Canal.
MICHIGAN									
Southern Michigan	13	1 am - 7 am			0	1	4	0	Lightning - Heavy Rain
									Thunderstorms spread eastward from Holland to Monroe causing the usual damage. Near Dowagiac, 3 cattle were killed; at Grand Haven, power cables were destroyed closing a plant; at Coldwater, lightning toppled a tree and knocked a night watchman unconscious at the school bus garage, after hospitalization he was released. Some minor flooding occurred in the Monroe area.
Menominee, 16 N Menominee County	16	6:05 pm	55	200	0	0	5	0	Tornado
									Tornado first touched down 4 miles WNW of Waubeno, Wis., moving eastward and lifting 4 miles east-southeast of Ingalls, Michigan, near M-346. Losses in Michigan occurred which include 11 cattle killed, 2 homes, a barn, silo and mobile home destroyed in this rural area. The funnel crossed into Michigan about 6:15 where it was observed as a funnel fully extended to the ground.
Northern Lower Michigan	16	6 pm - 8:30 pm			0	0	4	0	Thunderstorms - Wind
									High gusty winds caused considerable damage to trees, roofs and power lines at Mackinaw City and near Wolverine.
Kalamazoo, 6 NE Kalamazoo County	17	8:25 pm	1/20	20	0	0	2	0	Tornado
									Funnel touched down briefly, toppled trees and power lines and popped the window out of police car. The storm moved NNE.
Grand Rapids, 23 SE, Barry County	17	8:55 pm	1 1/4	25	0	0	4	0	Tornado
									Funnel cut path NNEastward through wooded area, twisting off trees up to 3 feet in diameter. A house 3 miles south of Middleville was moved 18 inches off its foundation.
Southern Michigan	17	8 pm - 18 7 am			0	0	5	0	Thunderstorm - Rain, Wind, Hail
									Series of storms moved across the southern counties causing the usual damage, trees downed and lightning-set fires. At Nashville, 2 barns burned, loss \$30,000; at Hudsonville, wind damaged trailers, loss \$7,000; at Niles, 2 planes snapped from tie-downs were flipped and damaged; near Holland, turkey shed under construction damaged, loss \$60,000; 1/4 inch to golfball-sized hail was reported in several counties in southwest Michigan while heavy rains caused localized flooding in the southeast lower Peninsula.
South Haven, 4 NW Allegan County	18	5:30 am			0	0	0	0	Waterspout
									Waterspout observed, caused no damage.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

SEPTEMBER 1972

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			
MINNESOTA Southern Minnesota	12	Evening			0	0	3	0		Lightning	
			Thunderstorms occurred across southern Minnesota during the evening. Lightning killed a cow four miles west of Mountain Lake and caused power failures in Wadena.								
Central Thru Northeast Minnesota	20	Early Morning to Afternoon			0	0	5	0		Heavy rains, winds and lightning	
			Thunderstorms associated with a warm front and an easterly moving cold front caused strong winds, lightning and very heavy rains. Winds in the Osakis-Long Prairie area at 1:00 am to 3:00 am and the Monticello-Milada area 7:00 am to 8:00 am damaged or destroyed 9 barns, a silo, garage and many small outbuildings, also 4 head of cattle were killed in the barns. Maximum winds at Duluth were 38 m.p.h. Lightning strikes were numerous throughout all of Minnesota, damage was reported in Pillager at 3:00 am, Little Falls at 4:25 am, Hibbing at 5:30 am, Edgerton at 7:00 am and several other locations. Heavy rain of 2 inches or more fell on a line from Mora northeast across all of the North Shore area. Flash flood reported separately.								
Carlton and Southern Parts of St. Louis, Lake and Cook Counties	20	4:00 a to 2:00 p			2	0	6	0		Flash Flood	
			From Moose Lake northeast along the North Shore of Lake Superior, 3 inches to more than 5 inches of rain fell generally in about a 10 hour period from 4:00 am to 2:00 pm. This is the fourth flash flood for Duluth and the North Shore this summer (other flash floods were August 16th and August 20th in Duluth and August 15th for the North Shore). Estimated damages by this flash flood will add about \$1,000,000 to the previous floods which now have been estimated downward from \$13,000,000 to \$5,000,000. This flash flood caused damages of about \$10,000 in Carlton County, \$30,000 in Lake County and near \$1,000,000 damages in the Duluth area. Two people were drowned as their car plunged into a washout 6 miles northeast of Two Harbors. See Minnesota Climatological Data September, 1972.								
Southeast Minnesota	25	24-hour Period			0	0	3	?		Heavy rains	
			Strong overrunning from a weak wave on a cold front in Iowa caused heavy rains in southeast part of the State. More than 4 inches of rain fell on a 10 to 15 mile wide line from near Zumbrota southeast through Caledonia. Several unofficial reports of more than 5 inches were reported near Caledonia. Some minor flooding was reported.								
			FUNNEL CLOUDS REPORTED DURING SEPTEMBER								
			County	Date	Time	Location & Remarks					
			Pope	20	00:55 am	15 SSE Alexandria					
			Data not received by publication deadline.								
MISSISSIPPI											
MISSOURI Miller and Morgan Counties	7	2:00p-4:00p					4			Thunderstorm Winds	
			Severe thunderstorms with strong gusty winds caused widespread minor damage in the northern half of the Lake of the Ozarks' area. Approximately 22 boat docks were damaged. One house was damaged near Etterville and a wall was blown out of a shopping center that was under construction in Eldon.								
California, 4S, Monticau County	7	2:40 p	300**	50			3			Tornado	
			A tornado touched down briefly on a farm 1/4 mile east of County Route T and Highway 87 intersection 1/4 miles south of California. Moving in a northeasterly direction, it damaged a chicken house, a large equipment shed and some trees.								
Ashland, 2 E, Boone County	7	3:15 p	200**	33			4			Tornado	
			A brief touchdown on a farm 2 miles east of Ashland damaged a portion of a house, a garage and two smaller buildings. The parent thunderstorm cell was moving at 270/35. Subsequent damage reported to a barn near Millersburg in Callaway County could have been caused by the same parent cell.								
Joplin, Jasper County	7	5:00 p-8:00 a					4			Floods	
			More than 7 inches of rain caused widespread flooding of low lying areas in Joplin. Minor damage was caused to buildings and streets. Many basements were flooded in the west central portion of the city.								
Memphis, Scotland County	13	Evening					4			Thunderstorms	
			Strong winds associated with thunderstorms which were rumbling through Memphis unroofed and destroyed a mobile home and toppled three grain bins as well as damaging several small buildings.								
Wheaton, Barry County	19	5:00 p								Hail	
			Moderately strong thunderstorms produced strong gusty winds, but little damage in southwest Missouri. Hail 3/4 inch in diameter fell briefly near Wheaton, 36 miles southeast of Joplin.								
MONTANA											
NEBRASKA Garfield and Wheeler Counties	5-6	11p, 5th-4p, 6th					0	0	4	5	Heavy Thunderstorms
			A series of thunderstorms brought local rainfalls of up to 3", damaging hail of unknown size, and several lightning strikes to scattered sections of the two-county area. The strongest storm, in terms of rain and lightning, occurred in Garfield County between 3a and 4a. North of Burwell, hail covered the ground to a depth sufficient to leave drifts for several hours after the storms had left the area. Three separate falls of hail were reported during the stormy period from farms located east of Burwell. Roads north of Burwell were eroded considerably by the heavy rains. Lightning bolts killed several cattle near Bartlett and destroyed a large stack of hay 10 miles north of Burwell.								
East Central Nebraska	10-11	Evening of 10th- Forenoon of 11th					0	0	4	5	Heavy Rain
			Although rainfall in amounts of one inch or more fell over portions of east-central Nebraska on each of the three days running from the 10th through the 12th, the bulk of the heavy rain fell during the evening hours of the 10th and before noon on the 11th in a 20- to 40-mile wide band stretching from the Iowa border at Blair westward to Genoa. The heavy rains resulted from an east-west oriented line of thunderstorms which initially developed about 8:30p on the 10th. This line remained nearly stationary during the hours that followed while individual thunderstorm cells moved eastward along the line at 15 MPH. Since several of these rain-producing cells moved over locations within the 20- to 40-mile wide band described earlier, these locations received abnormally large amounts of rain. 8.15" of rain was measured at Columbus on the 10th and 11th. In the zone of heavy rains, 24-hour totals of 2 to 6" were common while 3 to 8" amounts were tallied during the three-day period ending the 12th. As a result of the rains, flooding occurred on small streams and in bottomlands. A state highway located north of Schuyler was closed temporarily due to high water while a small mudslide covered a portion of US Highway 30 east of Blair.								
Elm Creek, Buffalo Co.	10	Late Evening					0	0	4	0	Lightning
			Lightning bolt struck roof of cafe, rupturing water pipe. Water from pipe flooded cafe, causing much damage. Window air conditioner in apartment above the cafe dislodged from window and hurled against opposite wall by the force of the bolt. TV set and radio in apartment exploded when struck by bolt. Five street lights knocked out, also.								
Omaha, Douglas Co.	12	3:15-3:30p					0	0	4	0	Thunderstorm
			Most of damage done by wind in Saddle Creek area. Thirteen large trees felled by winds gusting near 50 MPH. Three power outages reported in Omaha metropolitan area because of storm.								
East Central Nebraska	13	5:30p-8:30p					0	0	5	6	Heavy Thunderstorms
			Thunderstorms, moving east-southeastward at 35 to 50 MPH, brought about crop and some property damage in an area along and 10 miles either side of a line extending from Central City to Nebraska City. Damage was heaviest in the western and eastern ends of the aforementioned area. From 5:30p to 6:30p, 1/2 to 2-inch diameter hailstones caused locally heavy crop losses in a strip 25 miles long and approximately 1/2 mile in width reaching from just west of Marquette, in northwest Hamilton County, to fork. Hail accumulated to a depth of 8" in spots of the hail zone. Winds as high as 80 MPH and torrential rains were associated with this hailstorm. As Bradshaw, in western York County, 1.10" of rain fell in the space of 10 minutes while winds snapped off tree limbs 4" in diameter. Another hailstorm, lasting from 5:30p to 5:45p, produced about \$600,000 in crop damage in the southwest corner of Butler Co. The thunderstorms caused little damage as they passed through Seward and Lancaster Counties; but upon entering Otoe Co. the storms apparently regained strength. Winds up to 70 mph, pea-size to 1" diameter hail, and brief but hard rains caused damage in a 12-mile long and 6-mile wide area stretching from Avoca to Nebraska City. A machine shed was destroyed and large trees uprooted as strong winds struck a farm located to the northwest of Nebraska City. Two miles north of Nebraska City, on US 73-75, corn fields were destroyed, trees blown down in different directions, and "an awful roar" was reported, indicating the possible, but doubtful, presence of a tornado. In Nebraska City, felled tree limbs caused scattered power outages and isolated property damage when strong winds struck the city between 8:10p and 8:20p.								
NEVADA Reno	9	p.m.					1	0	0	0	Windstorm
			A gust of wind picked up a 4 by 8 sheet of quarter inch plywood and struck a 7-month old boy in the head during an afternoon football game at the Mackay Stadium, University of Nevada Reno. The child died in a hospital. Peak gust of 35 mph from the southwest was recorded at the Reno Airport.								
NEW HAMPSHIRE Southeastern	3						0	0	4	0	CARRIE
			Storm Carrie brought high winds to the immediate coastal area with damage to boats and coastal installations. Falling trees and limbs caused mostly minor damage to some distance inland. Rainfall totals of mostly 3 to 4.5 inches along the immediate coast caused washing and flooding. Amounts decreased inland to none in less than 70 miles.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

SEPTEMBER 1972

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 JERSEY										
NEW MEXICO										
Las Cruces	1	7:10 p.-11:55 p.		NONE REPORTED	0	0	0	0	Flash flood and heavy rain	
Intense rain in vicinity resulted in flash flooding of Dona Ana Road and El Paseo Road areas with total damage over \$700 thousand. Moderate damage to 7 trailer homes and buildings and water damage in 55 others. Damage to streets and utilities. Some crop damage.										
Hillsboro	2	11:30 p.			4	2	5	0	Flash flood	
Heavy rain in Sierra County north of Hillsboro sent 5-foot wall of water along Percha Creek and through the center of town. One death in collapsed building and three persons washed away in vehicles and drowned. Two injuries in a second collapsed building. Some damage to other buildings, and campers and cars swept away. Bridge washed out. Total damage estimated \$1.6 million.										
Taiban	8	Night			1	0	0	0	Flash flood	
Flash flood on Alamosa Creek, just south of Taiban, washed away pickup for 1-1/2 miles and driver drowned.										
Colfax County	11	12:45 p.			0	0	0	0	Hail	
Hail to 1-3/4 inches in diameter, 3 miles southeast of Cimarron.										
Sandoval County	14	7:30 p.			0	0	0	0	Flash flood	
Flash flooding hit Santo Domingo Pueblo, 15 miles northeast of Bernalillo, after irrigation ditch above village broke because of heavy rain. Several homes and some crops damaged.										
Sandoval County	15	3:50 a.			0	0	5	0	Flash flood	
A wall of water from heavy rain weakened railway bridge over Elota Arroyo, 13 miles north of Bernalillo, resulting in derailment of 52 freight cars and 4 locomotives.										
Dona Ana County	19	4:20 p.	Short Narrow		0	0	0	0	Tornado	
Brief tornado touched down on flat ridge in open about 20 miles west-northwest of El Paso, Texas.										
NEW YORK										
Chautauqua County										
	14	a.m.					4		Rain	
Communities in northwestern Chautauqua County, near Lake Erie, struck by heavy rains in excess of 3.0 inches during morning thunderstorms. Flooding of streets and of store and home basements extensive in cities of Dunkirk, Fredonia and Westfield. Damage to merchandise in basement of one store alone in Dunkirk was estimated near \$10,000. Storm rainfall totals decreased to 1.0 to 2.0 inches in central and southeast portions of county.										
Broome and Tioga Counties	17	late p.m.					4		Electrical	
Late evening thunderstorms were accompanied by considerable lightning and brief, intense rain downpours of 0.75 to 1.0 inch. Much heavier showers on Pennsylvania side of border. Lightning fire destroyed large dairy barn with 25,000 bales of hay at Deposit, Broome County. Two homes in Binghamton sustained structural damage from lightning. Power failures widespread in both counties. Pea-size hail reported at Vestal and Harpursville, Broome County but no damage.										
Rensselaer County	17	late p.m.					4		Wind	
Localized property damage caused by winds along shores of Nassau Lake in southern part of County. Several large trees were toppled and house had portion of metal roof torn off. Wind gusts estimated at 50 to 55 mph. in storm-affected area. Power failures scattered throughout County also extended to Burnt Hills and Clifton Park areas of southern Saratoga County.										
Lake George area	18-19	Night					4		Electrical, wind	
Lightning-caused fire destroyed summer home at Cedar Point on Lake George. High winds accompanied thunderstorms and overturned many small boats in marinas, particularly on east shore of lake. Scattered power failures in southern and eastern Warren County as tree limbs and wires knocked down by winds.										
NORTH CAROLINA										
Robeson and Wayne Counties	4	8:30-9:30 p.					4	0	Electrical, wind, rain	
Lightning caused power outages and rain flooded some streets in Fairmont. Wind overturned mobile home in rural area of Wayne County.										
Brunswick, Craven, Forsyth, Lenoir, and New Hanover Counties	5	9 a.-5 p.					4	0	Electrical, rain	
Lightning burned a warehouse near Kinston and a cottage at Ocean Isle Beach; caused power and telephone outages several areas. Heavy rains flooded streets in New Bern, Wilmington and Winston-Salem.										
Stanly County	12	4 p.					4	4	Hail, rain	
Hail damaged crops and roofs Norwood area. Rain caused soil erosion.										
NORTH CAROLINA (continued)										
Moore and New Hanover Counties	16	3-6 p.			0	1	4	0	Electrical, wind	
Lightning struck and damaged a newly built home near Wilmington, older homes in Aberdeen and Southern Pines, and a church in Pinebluff; disrupted power in several Moore County communities. Youth injured by lightning in Southern Pines home. Wind upset a small storage building and ripped metal siding off a frame house.										
Alamance, Anson, Cabarrus, Chatham, Cumberland, Davidson, Durham, Gaston, Iredell, Martin, Mecklenburg, Moore, New Hanover, Pitt, Robeson, Rowan and Stanly Counties	17	Afternoon & evening					5	4	Electrical, rain, hail, wind	
Widespread thunderstorms south and central North Carolina caused many occurrences of light to moderate damage. Lightning burned a store building, broke a chimney at a school, damaged several homes, disrupted power and telephone service. Wind blew down trees, damaged outbuildings. Hail damaged crops and roofs. Rain flooded streets and basements.										
Wayne County	17	7:45 p.						0	Funnel cloud	
Reported seen 2 miles northwest of Goldsboro.										
Forsyth County	29	4:10 a.	1/2	80	0	0	4	0	Wind	
Small area of Walkertown, near Winston-Salem, damaged by severe local storm; described by NWS official as straight line wind. Trees blown down, outbuilding demolished, roof of home damaged. Two autos damaged.										
Surry County	29	4 p.						4	0	Electrical
Fire caused by lightning damaged home and apartment house near Elkin.										
Alamance and Durham Counties	30	Early morning						4	0	Electrical, wind, rain
Limbs blown off trees; power disrupted by lightning and wind. Rain caused flash flooding of streets and basements several areas, mostly in Burlington and Durham.										
Carteret County	30	5 p.						0	0	Tornado
Reported seen by Coast Guard over marshes 2 miles north of Morehead City. No damage. No information on size or movement.										
NORTH DAKOTA										
Wells County	19	Afternoon			0	0	2	4	Hail	
A late season hail storm ripped through the northern part of the county damaging late crops of wheat and flax. The storm was centered in the Heimdahl, Hamberg and Bremen areas where losses from 10 to 100 percent were reported. Heaviest losses were in some flax fields where the brittle, ripe flax stands were completely destroyed. Some losses were reported 4 miles north of Fessenden and farther north hail damaged buildings and a car windshield.										
West and North	25	Day			0	0	2	3	Snow	
An unusually early snowstorm caused minor damage to crops some of which were ready for harvest or in the process of being harvested. Some power lines were downed in the Minot area and a few trees broken. Heaviest snowfall was in the west-central area where Grassy Butte had 9 inches, Dunn Center 8 inches and Riverdale 5 inches. Accumulations of snow were mostly 2 to 4 inches across the north one-third of the state and about 3 inches in the extreme southwest. All the snow melted in one to two days.										
OHIO										
Toledo, Lucas County	1	Evening			0	0	4	?	Winds	
Strong winds hit Toledo area. Most serious damage reported in north Toledo where a barn roof was blown into an electric pole. In west Toledo many trees were uprooted.										
Zanesville, Muskingum County	2	2:05p			0	?	?	?	Winds	
Winds with gusts to 58 m.p.h. were reported.										
Northern Ohio	13-14	Evening-morning			0	?	5	4	Lightning, heavy rain	
Thunderstorms brought heavy rain to northern Ohio. The northwestern part of the State (especially Paulding, Defiance, and Williams Counties) was hardest hit. At Hicksville (Defiance County) official sources stated that in a 12-hour period 5.45 inches of rain fell and that some areas had nearly 7 inches during the evening of the 13th and morning of the 14th. The heavy rains brought flash floods and ruined some crops. Lightning was responsible for setting numerous fires and causing power outages.										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

SEPTEMBER 1972

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	
OHIO (continued)									
Northern Ohio	17	Afternoon-evening			0	?	5	4	Lightning, heavy rain
Northern Ohio was again hit by heavy rains which caused many local flash floods. Unofficial rainfall amounts of 5.60 inches (at Fort Clinton in Ottawa County) and 10 inches (at Columbia Station in Lorain County) were reported. Lightning caused many power outages and set numerous small fires.									
Marblehead, Ottawa County	18	8:36a							Waterspout
Waterspout was reported by Marblehead Coast Guard to be 10 miles northwest of SKY (Sandusky Airport).									
Vinton County	23	6:20p							Funnel aloft
Funnel aloft reported by public.									
OKLAHOMA									
Grady, Jefferson County	14	Night	?	?	0	0	0	0	Hail
Hailstones of 3/4 inch in diameter occurred, but no damage was reported.									
Durant, Bryan County	18	Afternoon			0	1	0	0	Lightning
One person was injured by a bolt of lightning while he worked at a golf course.									
Jackson County	28	4:15 p.-8:00 p.	15	*5	0	0	4	7	Hail, wind
Wind and hail caused scattered damage in the county. Winds were estimated at 55 to 70 m.p.h. within the county and measured at 52 m.p.h. at Altus AFB. Several barns were destroyed and three house trailers turned over by the wind. Hailstones averaged marble-size, but some reports indicated hail up to 1 1/2 inches and others up to 2 1/4 inches in diameter. Roofs were damaged and windows broken by the hail.									
Hobart area, Kiowa County	28	4:30 p.-4:35 p.	?	?	0	0	4	?	Hail, wind
Hailstones up to 1 1/2 inches in diameter and strong wind struck the area inflicting damage at the municipal airport. A hangar was damaged and a plane parked in the hangar was also damaged. Automobiles in the area were also dented by the large hail.									
Bison area, Garfield County	28	5:00 p.-5:20 p.	5	*2 1/2	0	0	4	0	Hail
Hailstones up to 1 1/2 inches in diameter struck the area. Windows were broken and roofs damaged as well as automobiles. The ground was covered by the hailstones.									
Near Perry and Morrison, Noble County	28	5:30 p.			0	0	4	0	Wind
Strong thunderstorms caused scattered damage east and northeast of Perry principally to a large barn and to a shed on a farm southwest of Red Rock. Utility lines were blown down in the area by straight winds. Near Morrison a roof was torn from a trailer house.									
Near Ponca City, Kay County	28	5:30 p.-6:00 p.	7	880	0	0	4	0	Wind
Winds estimated at 80 m.p.h. struck the area east of Ponca City. Glass was broken out of a glassed-in porch, several sheds and out-buildings either damaged or destroyed, and utility lines and poles were damaged.									
Tipton area, Tillman County	28	7:00 p.-7:30 p.	10	*3	0	0	7	6	Hail
Hailstones up to 1 1/2 inches in diameter pounded the area in two separate storms. There was extensive damage to the cotton crop which was ready for harvest. Some estimates ran as high as 50% damage to the crop. Roofs and windows were also damaged by the hail. Many lawns were reported covered by the hail.									
OREGON									
Grants Pass	4	6:30 p.-Midnight			0	0	4	0	Lightning
Thunderstorms moving northward across the Williams-Grants Pass area provided heaviest recorded amount of 0.84 inch at Williams. Lightning was heavy in the Grants Pass area where power and telephone crews worked all night restoring service. Twelve power transformers were damaged and 150 line fuses blown. Two Arabian mares with foal were killed by lightning.									
Astoria	7	10:45 a.							Funnel Cloud
The public reported a funnel cloud over the Lewis and Clark bridge near Astoria which swooped half way to the ground before drawing back into a heavy dark cloud.									
Baker, Wallowa and Union Counties	11-12	8:00 p.-11th-2:00 p., 12th			0	0	0	0	Snow
Early snowfall over the Wallowa Mountains furnished 9-12 inches of snowpack above the 8,000-foot level. Rainfall at lower levels varied from 1.00-1.50 inches with up to 1.55 inches recorded at Enterprise 20 NNE.									
OREGON (continue)									
Western Oregon	21-24	All days			0	0	0	0	Rain, Snow
Wet conditions persisted across western Oregon during this storm period with heavy rains of 1.00-2.40 inches occurring on the 21st. High winds accompanied this frontal passage of the 21st with southerly gusts up to 40 m.p.h. reported along the Oregon coast. Early snow fell in the Cascades generally above the 4,500-foot level with 4-inch depths reported on most of the passes with up to 20 inches reported at Mount Hood Lodge.									
Lincoln County	23	During day			1	2	?	0	Electrical
Lightning was reported to have struck a 15-year-old boy while he was carrying a box filled with 35 pieces of dynamite. The youth was killed by the explosion and his two companions injured at a logging operation in the Five Rivers area of the southeastern corner of the county.									
Most of the State	25-28	All days			0	0	?	?	Cold Spell
This early spell of extremely cold morning lows set many new station record lows for September with freezing temperatures observed along the coast as far south as Bandon. New September records were: 33° at The Dalles; 32° at Newport; 28° at Scotts Mills 9 SE; 27° at Astor Experiment Station and Fillamook 1 W; 23° at Silver Creek Falls and Government Camp; and 17° at Burns WSO. September record lows equaled were: 32° at Astoria WSO, Bandon and Eugene WSO; 26° at Salem WSO; and 18° at Crater Lake National Park Headquarters. Coldest station in the State was Sumtux with its 12° low nearly equalling its 11° record set on September 14, 1970.									
PACIFIC									
Johnston Island	27	Day			0	0	0	0	Tropical Storm JUNE
Tropical Storm JUNE formed in very active Intertropical Convergence Zone about 600 miles SSW of Hawaii Island and moved WNW, passing within about 50 miles south of Johnston Island at 9 a.m., before turning west and ending its short career. Johnston Island, which seldom experiences tropical storms, reported no damage or injury, lowest sea-level pressure 29.67 inches, peak gust 48 m.p.h. from northeast, total rainfall 0.34 inches on 27th.									
PENNSYLVANIA									
Monroe County	13	5:45 p. EDT	1/10	100	0	0	3	0	Tornado
A tornado whipped across a wooded section of Rt. 81-E, uprooting several large trees, snapping a hundred more at their bases. The wind caused a tractor trailer to jackknife, turning it around and sending it into a ditch. The driver saw a dark funnel approaching his rig a split second before it hit. A second driver also sighted the funnel. The tornado traveled on the ground for a comparatively short distance and was confined to a small area between Tobyhanna Borough and Mount Pocono.									
Western Pennsylvania	13-14				1	0	0	0	Rain, lightning, wind
In Marion Center, Indiana County, a 15-year-old youth was drowned when he tried to wade across Pine Run Creek to assist neighbors whose homes were threatened by high water. Throughout the region roads and highways were closed, sometimes for several hours; utilities disrupted, and some schools closed. Families were evacuated in Cherry Tree, Dixonville, Glymer and Cookport. Some 14 homes were damaged severely in Cherry Tree and the town water supply was cut off. A small restaurant in Burnside which was ruined during tropical storm Agnes last June, again was flooded. More than 18 inches of water reportedly covered the inside of the newly remodelled building. At Plumville, damage to a furniture store was estimated at \$50,000. In Beaver County lightning caused extensive damage at two industrial sites and several homes. High winds ripped one fourth of the roof of the maintenance garage in Beaver Falls and some wind and rain damage was reported at the Beaver County Hospital.									
Monroe County	18	Evening			0	0	0	0	Rain, lightning
Widespread flooding and water erosion caused heavy property damage in the Stroudsburg area. Some people had 8 to 10 inches of water and mud in their basements. Lightning caused a series of fires throughout Monroe County including a manufacturing building which was a total loss. One fireman suffered a slight arm burn.									
PUERTO RICO									
Mayaguez	15	Afternoon			1	0	4	0	Rain
Heavy convective showers caused some flash flooding in the area south of Mayaguez. The bridge on Route 380 was destroyed and one man was drowned while attempting to cross the river.									

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		
RHODE ISLAND										
Southern sections	2-3	4:00 p.-6:00 p.			0	2	5	4		Tropical Storm
<p>Moving northeasterly about 100 miles southeast of the Rhode Island mainland, Tropical Storm Carrie produced rainfalls of 2-3 inches and high winds throughout Rhode Island. Electrical service was interrupted during mid-afternoon of the 1st, especially in Providence, Warwick, Cranston, Johnston, Greenville, Coventry, North Kingstown and East Greenwich. Many trees were downed and some truck crops and corn were damaged by high winds and heavy rain. Minor flooding occurred in some sections. Greatest damage was due to high winds and rough seas round and about lower Narragansett Bay as well as at Block Island. Many piers and over 100 boats were damaged at Block Island when winds reached 70 mph during the early afternoon of September 3. Elsewhere many boats were damaged or driven ashore at almost every marina in the lower Bay and two valuable houseboats were sunk. Many vacationers were stranded on Block Island when ferry service had to be called off. Two persons were injured on the mainland; one when the wind shattered a plate glass window, the other when a falling tree shattered an automobile windshield.</p>										
Jamestown-Port Adams, Newport Co.	14	about 4:15 p.	2	narrow	0	0	3	0		Tornado
<p>Twister moved rapidly southeastward from south of the center of Jamestown into Narragansett Bay. It proceeded across the Bay as a waterspout before finally disappearing over land again at Port Adams. Two small boats were lifted up and capsized.</p>										
SOUTH CAROLINA										
Lexington County	4	7:00 p.			0	0	4	0		Thunderstorm, high winds
<p>Winds destroyed two 9000 capacity broiler buildings on a farm near Betsburg. A small percentage of the chickens were killed. A nearby barn was deroofed and the hay in the barn was damaged by rain.</p>										
Darlington County	16	Late-Afternoon			0	0	0	4		Thunderstorm, hail
<p>Hail damaged or destroyed several hundred acres of cotton in the Byrdtown community. A nearby soybean farm suffered destruction of many acres of soybeans.</p>										
Union County	18	4:00 p.			0	0	4	0		Thunderstorm, lightning
<p>A house was struck by lightning in Carlisle and burned to the ground before any of the contents could be removed. A house next door struck also but had only minor damage done.</p>										
SOUTH DAKOTA										
Utica and Vicinity	20	About 4:30 p			0	0	5	5		Tornado and wind
<p>Storm caused an estimated \$95,000 damage to property and \$50,000 damage to crops in Utica and nearby rural area. Buildings were damaged, trees and power lines were downed. The wind damage covered an area one mile wide and three miles long but the width and length of the tornado path is not known and is believed to be of mini-size.</p>										
TENNESSEE										
Johnson County	3	5:30p.			0	0	4	0		Wind
<p>Several farms sustained mostly minor damage in the Mountain City area during the passage of severe thunderstorms. Most damage on the Maynead Stock Farm near Crackers Neck.</p>										
20 NE Mallington, Shelby County	15	4:40p.								Funnel Cloud
<p>A funnel cloud aloft was reported near Covington.</p>										
Middle Tennessee	15	5:00p.-6:00p.			0	1	5	0		Wind, lightning
<p>Scattered wind and lightning damage with severe thunderstorms in the area. Several trees blown down. One person was hospitalized in Columbia with minor injuries.</p>										
Jackson, Madison County	23	5:28p.			0	0	0	0		Wind
<p>61 m.p.h. wind gust was recorded at McKellar Airport. No damage was reported.</p>										
TEXAS										
Near Corpus Christi, Nueces County	2	7:15 a								Waterspout
7 N Corpus Christi Naval Air Station, Nueces County	4	9:18 a								Funnel aloft
Near Odessa, Ector County	4	4:30 p-5:30 p								2 Funnels aloft
<p>Funnel clouds observed five miles southeast and two miles south of Odessa.</p>										
6 W Kirbyville, Jasper County	4	8:05 p	1/4	10	0	0	2	0		Tornado
<p>A small tornado blew down several trees near the T. S. Walker home on FM 1013, about six miles west of Kirbyville.</p>										
TEXAS (continued)										
6 S Nederland, Jefferson County	5	5:10 p								Funnel aloft
5 SW Port Arthur, Jefferson County	5	5:20 p	4	23	0	0	0	0		Tornado, funnel aloft
<p>A tornado moved through marshland along the Intercoastal Canal, about five miles southwest of Port Arthur, but did not cause any damage. The tornado moved from northeast toward the southwest. Earlier about 5:10 p.m., a funnel cloud was observed aloft just southwest of the Port Arthur city limits. The tornado and funnel aloft appeared to be from the same parent cloud.</p>										
Near Alvin, Brazoria County	6	12:00 p								Funnel aloft
Between Levelland and Whitarral, Hockley County	6	10:00 p-11:00 p								Funnel aloft
W Plainview, Hale County	6	10:00 p-11:30 p								Funnel aloft
<p>Funnel cloud first observed about nine miles northwest of Cotton Center and last observed about five miles west of Plainview.</p>										
Sundown, Hockley County	6	10:40 p	?	?	0	0	4	0		Windstorm
<p>Thunderstorm winds completely destroyed a 13 thousand dollar mobile home on Gould Street in Sundown. The four residents, Mr. and Mrs. Gerald Horton and their two children narrowly escaped injury. The fence behind the Horton home was blown down as were two outbuildings. The Eddih and Walcher American Oil Company building, located west of the Horton home, was moved about four inches from its foundation. The roof and south side of the building received heavy damage.</p>										
Near Pap, Bailey County	6	11:00 p								Funnel aloft
13 E Lubbock, Lubbock County	6	11:48 p								Funnel aloft
12 SW Lubbock, Lubbock County	7	12:10 a								Funnel aloft
10 SW Lubbock, Lubbock County	7	1:00 a								Funnel aloft
Near FM 1585, Gaines County	7	8:00 p			0	0	4	0		Lightning
<p>Lightning set fire to two 500 barrel oil storage tanks on the Union Oil Company tank farm.</p>										
Odessa, Ector County	7	8:30 p	?	?	0	0	4	0		Windstorm, 4 funnels aloft
<p>Strong thunderstorm winds demolished a mobile home and lifted a house from its foundation on the outskirts of Odessa. The house was located at 2211 W. 81st Street. Many roof tops in the area sustained wind damage during the storm. Four funnel clouds were observed aloft in the Odessa area.</p>										
W. Seminole, Gaines County	7	9:00 p								Funnel aloft
E Andrews, Andrews County	7	Night			0	0	3	0		Lightning
<p>Lightning struck and set fire to a 500 barrel oil storage tank east of Andrews on S.W. 176.</p>										
10 S Lamesa, Dawson County	7	Night								Funnel aloft
Corpus Christi, Nueces County	9	6:00 a								Funnel aloft
Near Sabine Pass, Jefferson County	9	10:30 a-10:45 a								Waterspout, 2 funnels aloft
32 E El Paso, Hudspeth County	9	2:24 p								Funnel aloft
Near Helotes, Bexar County	9	4:02 p	?	?	0	0	3	0		Hailstorm
<p>Small hail with a few hailstones up to 1 1/4 inches in diameter fell in the Helotes area. There was no report of any significant damage.</p>										
Groves, Jefferson County	9	8:40 p								Funnel aloft
1 S Orangefield, Orange County	9	8:54 p			0	0	4	0		Lightning
<p>Lightning struck and set fire to three oil storage tanks and a "gun barrel", a water-oil separator, about one mile south of Orangefield. The tanks and well are owned by Paul Cormier. The loss was estimated at six thousand dollars.</p>										
W Portland, San Patricio Co.	14	1:45 p								Funnel aloft
10 E Floydada, Floyd County	14	2:20 p								Funnel aloft

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					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
5 SW Houston, Harris County	15	10:20 a							2 Funnels aloft
20 SE Galveston, Galveston County	15	11:45 a							5 Waterspouts
10 W Nederland, Jefferson County	15	12:00 p							2 Funnels aloft
20 SW San Angelo, Irion County	15	3:00 p							2 Funnels aloft
9 N Ellington AFB, Harris County	15	3:42 p							Funnel aloft
25 E El Paso, El Paso County	15	5:35 p							Funnel aloft
8 SW Jefferson County Airport, Jefferson County	16	12:21 p							Funnel aloft
10 NW Jefferson County Airport, Jefferson County	16	1:30 p							2 Funnels aloft
35 ENE El Paso, Hudspeth County	17	5:40 p							Funnel aloft
22 NE Houston, Harris County	17	6:22 p							Funnel aloft
5 Port Arthur, Jefferson County	19	12:40 p							Funnel aloft
8 NW Sierra Blanca, Hudspeth County	19	9:35 p							Funnel aloft
12 S Corpus Christi Naval Air Station, Nueces County	20	7:30 a							Waterspout
8 WSW Wichita Falls, Wichita County	20	2:00 p							Funnel aloft
Near Woodward, La Salle County	21	10:45 a							Funnel aloft
Near Matagorda Island AFB, Calhoun County	22	9:56 a-9:59 a	1/4	10	0	0	0	0	Waterspout-tornado
									Waterspout moved ashore near Matagorda Island AFB and was on the island for about three minutes before lifting back into the cloud. There was no damage.
Near Six Mile community, Calhoun County	22	10:50 a	1/4	10	0	0	0	0	2 Tornadoes
			1/4	10					Two small tornadoes were observed near the Six Mile community, just west of the upper portion of Lavaca Bay. Neither caused any damage.
Aransas Pass, Aransas County	24	5:15 p							Funnel aloft
									Funnel cloud moved toward the north-northwest.
Copano Bay, Aransas County	24	6:35 p							Waterspout
Near Boscoe, Nolan County	25	7:00 p-8:00 p	4	*1/2	0	0	0	4	Hailstorm
									Small hail caused some damage to cotton and milo.
Near Vidor, Jefferson County	26	10:30 a							Funnel aloft
SE San Antonio, Bexar County	26	4:00 p	**67	8	0	0	3	0	Tornado
									A small tornado touched down on the Stewart-Stevenson Farm on U. S. 181 S., 200 feet south of Loop 410. A fence and metal building were damaged and three horses were injured so badly they had to be killed. A number of telephone lines were blown down.
7 N Saginaw, Tarrant County	26	8:14 p-8:25 p	1/2	440	0	1	5	0	Tornado
									A tornado skipped through a large mobile home community at Avondale Heights seven miles north of Saginaw and demolished nine mobile homes. Only one person was injured. Robert Smith, 55, received cuts and bruises when the tornado ripped his home from its foundation and slashed it to pieces. Several other residents escaped injuries but found themselves sitting under piles of rubble. Six mobile homes suffered lesser damage.
									All storm victims told similar stories. There was so much noise from rain and hail they scarcely noticed the roar of the tornado. All 15 mobile homes were overturned easily, but the nine structures were destroyed. Property damage was estimated at 120 thousand dollars.
15 SSE Jefferson County Airport, Jefferson County	27	11:25 a							2 Funnels aloft
TEXAS (continued)									
Arlington, Tarrant County	29	2:45 p-3:00 p	1/16	13	0	0	4	0	Tornado
									A small tornado struck the Cummings Sales and Services, Inc., warehouse, located in Great Southwest Industrial Center and destroyed a 60-by-20-foot section of the roof. Only two employees were working in the building at the time and both were uninjured. Damage was estimated at 30 thousand dollars. At least two other warehouses, both empty, received lesser damage. A small section of roof was ripped from one of the structures, while a third building suffered slight damage. The tornado moved from north-west to southeast.
NE Longview, Gregg County	29	5:00 p							Funnel aloft
UTAH									
Wasatch Front, Salt Lake, Davis and Weber Counties	5	08:10 am			0	0	4	3	Wind and heavy rains
									Strong winds in excess of 70 mph accompanied by heavy rain, uprooted trees, damaged roofs, broke plate glass windows, tore steel siding from loading platform at air national guard terminal and flooded basements along the Wasatch Front.
Richfield	5	5:00 pm							
									As storm moved south to Richfield wind broke off a large limb which fell on a woman causing rather serious injuries.
Smithfield and North Logan in Cache County	10	05:05 pm			0	0	4	0	Strong wind
									A gust of wind estimated at 60 to 70 mph tore the roof from a home in East Smithfield causing damage in excess of 5,000 dollars; a few minutes later at 05:05 the wind tore a patio roof off a North Logan home cutting power lines and destroying the roof. Damage over 1,500 dollars. The wind also blew a tree across the power lines cutting off the power to North Logan for 50 minutes.
Southern Utah	18-19				0	0	4	0	Flooding
									Locally very heavy rains in scattered areas of southern Utah caused local flash floods that damaged highways in the Arches National Park, and from Cove Fort and Kanab, southward to Orderville, Zion National Park and Washington. An 8 foot crest on the Virgin River flooded basements and fields in the Dixie Area and caused serious damage to roads.
Vicinity Ogden in Weber County	19	01:33 pm							Funnel clouds
									A series of funnel clouds were observed over and near Ogden. The first cloud was observed at 01:38 pm over Ogden, then a series of three was reported near the mouth of Weber Canyon, at 01:38 pm. A fifth funnel was reported at 01:50 pm near Hill Field. None of the clouds touched the ground but hail up to 1/8th inch in diameter was reported.
VERMONT									
Burlington	17	a.m.			0	0	4	0	Wind
									Wind broke tree limbs causing scattered damage. One dented a sedan. Another poked holes in the roof of a home.
VIRGIN ISLANDS									
St. Thomas	28	6:00 p.							Waterspout
									Reported off the north shore of St. Thomas.
VIRGINIA									
Coast	2								Hurricane
									Hurricane Carrie passed by about 300 miles east of the Virginia coast. Rain from the 1st to the 3rd totaled from 1 to 2 inches. Highest winds were 30 to 40 mph. High tides in the Norfolk area were about 2 1/2 feet above normal with minor flooding. Some of the beach sand at Virginia Beach was lost due to the high tide and rough seas.
Central Virginia	5				0	0	2	0	Earthquake
									A slight earthquake measuring 3.5 to 4.0 on the Richter scale was centered west of Richmond in Goodland County. Damage consisted mainly of cracked plaster in a few buildings.

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					KILLED	INJURED	PROPERTY	CROPS	
VIRGINIA (continued)									
Southeast	21				1	0	6	0	Flooding
	Heavy rain along with tides 2.6 feet above normal caused widespread flooding mostly on the lower end of the middle peninsula including the arms of Newport News, Hampton, Langley Field, and the southeast part of York County. Rain totals exceeded 6 inches in 6 hours and were greater than 9 inches for 24 hours. One 15 year old boy was drowned when swept into a culvert by the water. Transportation was disrupted with stalled cars and in some cases several feet of water blocking and damaging highways, bridges, and underpasses. Utilities received considerable damage with service interrupted for several hours partly due to the maintenance people being unable to get to work. Buckroe Beach was under water at one time with an appreciable loss of sand. Numerous buildings, hospitals, schools, and homes were flooded with several residential sections having to be evacuated. The Chesapeake Bay Bridge-Tunnel system was put out of service for several weeks when a barge crashed into it knocking out a 60 foot section of roadway. In the Norfolk area one residential area was evacuated and also one in Virginia Beach. Tidal erosion affected both Virginia Beach and Buckroe Beach with considerable loss of beach sand.								
Pittsylvania County	29	5:14 P.	5	50	0	0	4	0	Tornado
	The tornado occurred about 5.6 miles south of Altavista. A tobacco barn, a tool shed, and a small barn were destroyed on one farm and a tool shed and a small barn on a second farm.								
Southeast	30								Waterspout or funnel cloud
	A waterspout or funnel cloud was sighted 6 miles northeast of Patrick Henry Airport.								
WASHINGTON									
NONE REPORTED									
WEST VIRGINIA									
Lincoln, Logan and Boone Counties	29	1:15-1:45 P.M.	21	100	0	0	3	?	Tornado
	A small tornado which appeared to be 15 to 20 feet above the ground over much of its observed path hit areas along Route 10 near Harbs, Lincoln County and Champsville, Logan County. What was possibly the same storm hit in the rural Rock Creek area of Boone County and along Route 117, two miles north of Madison and nearly hit the state highway maintenance garage there. Damage to homes was light. Some shingles were blown off and a house trailer canopy was twisted. A truck copper top and a trailer boat were damaged. Many trees were twisted off. Considerable tree damage was reported by a sheriff in the "Big Ugly" public hunting area.								
WISCONSIN									
Forest and Marinette Counties	16	1605	55	200	0	0	5	0	Tornado
	Strong tornado formed 4 WNW Waubesa and traveled eastward south of Atheistane north of Waupesa and into upper Michigan. Track reentered Wisconsin about 2N McAllister and crossed over the Wis. Public Service Corp. Grand Rapids Power Dam 3 SW Ingalls and back into Michigan about 1715 moving across US 41 about 2N Wallace. Funnel moved on toward Bay of Green Bay. Washington Island observer reported very unusually colored sky and strong westerly winds with thunder and rain. Several barns were flattened in Waubesa area. Otherwise damage was mainly to woods and overhead wires.								
Southern Counties	17-18				0	0	5	0	Wind, rain, lightning, hail
	Winds up to 60 mph, lightning and rains of up to 5 inches swept through southern Wisconsin between noon Sunday and 0600 Monday. Flooding occurred along streams in southeastern Wisconsin. Lightning fires were very frequent. Two persons escaped injury when struck by lightning one at LaCrosse while telephoning during the storm while the other, a rural Madison man, was hit while standing in front of his home. Utilities in southern Wisconsin reported some of the worst wire damage due to winds and lightning in several years. Large hail occurred near Lake Mills while hail covered ground near Monroe.								
State	19	AM			0	0	5	0	Wind, lightning
	Scattered wind damage as line of thunderstorms move through state. Many boats and piers damaged at Lake Geneva. Trees down in Marshfield, Beaver Dam, and Sheboygan. Gusts at 67 mph at Oshkosh. Large wall at High School construction at Waupaca blown over. Lightning fires occurred at Eau Claire, Wisconsin Rapids and Montello.								
State	20	PM			0	0	6	0	Wind, rain lightning
	Severe thunderstorms brought strong winds and heavy rains to many sections. Some flooding locally south and east. Several lightning fires occurred across the state.								
Price County	20	1340	15	100	0	0	4	0	Tornado
	Tornado travelling northeastward touched down on Highway 111 5SW Phillips demolishing a barn and a milkhouse. There was considerable tree damage and damage to cabins along path particularly in Musser Flowage area 10 E Phillips.								
Lafayette County	20	1358	1	100	0	0	4	0	Tornado
	Tornado moving northeastward touched down briefly 1/4 E Shullsburg destroying several farm buildings and twisted off trees.								
Juneau County	20	1430	2	50	0	0	4	0	Tornado
	Tornado moving northeastward touched down east of Mauston. Vacant hangar at old Mauston Airport was blown down. Extensive tree damage occurred in the area.								
WISCONSIN (continued)									
Dane County	20	1510	1/2	50	0	0	4	0	Tornado
	Tornado moving northeastward touched down on Mack farm on CT Y about midway between Roxbury and Lodi. Machine shed lost roof and cattle shed was knocked down.								
Dane County	20	1525			0	0	0	0	Funnel aloft
	Funnel aloft reported near Sun Prairie.								
Green Lake County	20	1530	5	50	0	0	4	0	Tornado
	Tornado moving northeastward touched down in rural areas between Princeton and Green Lake. Hopp farm on Huckleberry Road and Gongorek farm on CT J sustained damage.								
Winnebago County	20	1545			0	0	0	0	Funnel aloft
	Funnel aloft reported in northern areas of Winnebago County.								
Waupaca - Outagamie Counties	20	1600							Funnel aloft
	Funnel aloft reported by public 5N New London.								
Calumet County	25	0215							Wind
	Rural Darboy residence suffers about \$3,000. damage as camper-trailer is slammed into side of garage.								
State	25-	Night			0	0	5	6	Rain, wind
	26 Heavy thunderstorms caused minor flooding along Trempealeau, Black, Pine, Eau Claire, and Big Rib Rivers. Some damage to roads and bridges and to private property. Potato growers in central and northeastern Wisconsin hard hit. Strong winds in thunderstorms caused scattered damage on Janesville's south side at 0150. Also some wind damage from Dodgeville area toward Madison between midnight and 0100. Strong winds over Bay of Green Bay brought flooding along shores.								
State	28	PM			0	0	5	5	Wind, rain, hail
	Severe thunderstorms caused widespread damage around state. Local flooding in areas of heavy rain such as Marshfield.								
Grant and Lafayette Counties	28	1530	3	50	0	0	3	0	Tornado
	Tornado leveled trees in Hazel Green near intersection of Highways 80 and 11.								
Green County	28	1630	3/4	75	0	0	5	0	Tornado
	Tornado moving south to north through east side of Monroe did minor damage to several dwellings and major damage to the grandstand at the Green County Fair Grounds. Funnel moved at right angle to upper flow.								
Rock County	28	1715							Funnel aloft
	Funnel aloft sighted at 6 S Janesville.								
Walworth County	28	1740	1 1/2	50	0	0	5	0	Tornado
	Tornado traveling ENE touched down 1 1/2 WSW of East Troy on Highway 15 destroying a machine shed and granary as well as a porch and garage after crossing the highway the roof was lifted off a nightclub. Several other buildings and cars were damaged or destroyed as the funnel moved across northwest corner of East Troy.								
Racine County	28	1755	1	50	0	0	4	0	Tornado
	Tornado traveling ENE touched down on John Greil farm 5 NE Waterford. Several farm buildings destroyed.								
Racine County	28	PM			0	0	0	0	Funnel aloft
	Funnel aloft over southeast Racine.								
Kenosha County	28	PM			0	0	0	0	Funnel aloft
	Funnel aloft near highways 83 and 50 at New Munster.								
State	1-30				0	0	6	7	Rain
	Frequent heavy rains, particularly on the 17th, 20th and 25th-26th, caused widespread crop damage to hay, oats, sweetcorn, cabbage, beans, carrots, lima beans and potatoes. Also widespread flooding of basements.								
WYOMING									
Gillette	3	4:00 p.			0	0	3	0	Hail.
	Hail up to 1 1/2 inch caused damage to gardens, trees, houses and cars.								
INDIANA									
LaPorte (LaPorte County)	13-14	E.S.T.	?	?	0	0	4	4	Rain, lightning
	An overnight rain of 4 inches flooded streets, washed out a portion of railroad track causing derailment of a freight train, and flooded basements - resulting in collapsing walls and power outages. At about 9:30 p.m. on the 13th, lightning-caused fire burned a haybarn at Summit prison farm. Estimated loss was \$10,000.								
DeKalb County	13-14		?	?	0	0	4	4	Rain
	Rainfall reports throughout the county ranged from 3.5 inches to nearly 7 inches. Damage was extensive to crops and county roads and bridges. Some bean fields were described as looking like rice paddies.								
Northwest Indiana	15	12:23a - 12:30 a			0	0	0	0	Earthquake
	Slight tremors felt for brief period at South Bend, Ogden Dunes, Lowell and Wanatah. No damage reported.								
Portage (Porter County)	17	7:00p							Funnel cloud
	Sighted by state police.								

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					KILLED	INJURED	PROPERTY	CROPS	
INDIANA (continued)									
Valparaiso, north (Porter County)	17	7:10p							Funnel cloud
		Reported by state police.							
LaPorte County	17	7:30p							Funnel cloud
		Funnel cloud observed between LaPorte and Michigan City.							
Clarks Hill (Tippecanoe County)	18	About Noon	?	?	0	0	4	3	Hail
		Tennis ball size hail did considerable damage to windows, awnings and cars.							
Boone County	18	Early p.m.	?	?	0	0	5	4	Hail
		Hardest hit, during a 15 minute hailstorm, were areas of Advance, Dover, and Thorntown where baseball size stones battered roofs, aluminum siding and cars. In many fields bean crops were declared a total loss. Window breakage occurred to homes, churches, and businesses. Dover and Wells schools had extensive window breakage.							
Ridgeville (Randolph County)	18	12:30p							Funnel cloud
		Funnel reported by state police.							
Gary, 33 mi. SE	28	10:17p							Funnel cloud
Atwood, near (Kosciusko County)	29	12:15a	?	?	0	0	4	3	Hail
		Golf ball size hail reported.							

- ° 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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