

U. S. DEPARTMENT OF COMMERCE
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WEATHER BUREAU
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STORM DATA

SEPTEMBER 1959

Volume I No. 9



ASHEVILLE: 1959

STORM DATA AND UNUSUAL WEATHER PHENOMENA

SEPTEMBER 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM		
					KILLED	INJURED	PROPERTY	CROPS			
ALABAMA											
Nevette County, Berry	5	2:30 pm	--	--	0	0	4	0	Thunderstorm		
									High winds struck downtown area ripping off metal roofs from several commercial buildings. Plate glass windows broken and power and telephone lines blown down. Torrential rain followed the high winds and caused most of damage.		
ALASKA											
	29-30	1853 AST 1120 AST							Freezing drizzle and freezing rain		
									Light freezing rain or freezing drizzle was reported continuously throughout the period indicated. Temperatures during the period ranged from 30 to 32 degrees. Information based upon airways reports from Barrow Alaska.		
	29	0954 to 1250 AST							Freezing rain		
									Light freezing rain reported for the 3-hour period indicated. Although air temperatures were 36 and 37 degrees during the period surface temperatures were sufficiently below freezing to freeze the rain when it reached the surface of the ground. Information based upon airways reports from Bettles Field.		
ARKANSAS											
Clay County	2	4:00 p.	5	* 2				3	Wind, hail		
									Damage confined to a 10 square mile area to the north and east of Figgott. \$1,000 damage attributed to wind and \$500 to hail.		
Paragould, Greene County	2	6:15 p. to 6:45 p.						4	Lightning		
									Large dairy barn destroyed by fire set by lightning.		
North Little Rock, Pulaski County	9	5:30 a.						5	Lightning		
									Lincoln Elementary School destroyed by fire set by lightning.		
Poinsett-Mississippi Counties	28	6:20 p.	8	150	15	* 5	0	0	Tornado		
									Tornado struck first 2 miles east of Lepanto, Poinsett County, destroying a two-story out-building and injuring 11 farm workers. It moved northeastward from this point for about 8 miles, destroying or heavily damaging about two dozen houses and injuring four persons.		
Pulaski County	28	10:00 p.						4	Lightning		
									Arkansas National Guard Garage destroyed by fire set by lightning.		
CALIFORNIA											
Imperial Valley	12						2	0	Thunderstorms		
									Lightning and wind damaged utility lines.		
Southern mountains and desert areas	13	Evening					3	5	Heavy rain and hail		
									Locally heavy rains damaged utility lines, and highways, while hail and heavy rains damaged young vegetables in the Imperial Valley.		
Southern mountains	16	Afternoon					3	0	Heavy rain and lightning		
									Rains damaged utilities and flooded several houses, while lightning put power lines out of commission.		
Central and northern California	17-18	All day			4	0	5	6	Heavy rain and wind		
									Record breaking rains started evening of 17th and continued through evening of 18th on central California coast and northeastward through Sacramento Valley and northern Sierras. Rain damaged highways and utilities and flooded some homes. Wind associated with storm contributed to damage, sinking two boats and driving 15 boats ashore; several were total losses. One woman was killed by falling branch from tree; two men died in crash of plane lost in storm; one man was drowned when his boat capsized. Some highways in mountains were temporarily closed by snow.		
Delta area and SF Bay region	29	All day					3	0	Wind		
									Strong north wind damaged utility lines and broke plate glass storm windows.		
COLORADO											
Mountains & adjacent eastern plains	28-30						5	few	* 6	0	Snow
											One of the heaviest September snow storms of record began on the 28th, as rain, changing to heavy wet snow and continuing into October. Total September snowfalls of 28 inches at Colorado Springs and 19 inches at Pueblo were the greatest on record; 13 inches at Denver was the second greatest. Similar record breaking amounts fell in other areas. Trees and shrubbery in full leaf were severely damaged or destroyed by heavy snow accumulations throughout the area. Falling trees and limbs disrupted traffic, broke power and communication lines and damaged buildings and cars. Traffic on mountain roads was impeded by snow and slides. Crop damage was not extensive, although harvest operations were halted by wet weather in all areas of the State. Livestock still on high summer range were trapped, but successful rescue operations prevented extensive losses. One man was killed in Denver by a falling tree limb, and four died of heart attacks while shoveling snow or trying to move heavy limbs. Direct costs of the storm for cleaning up debris, repairing lines and in damage to buildings and other property is estimated to be over \$600,000. The value of trees destroyed or mutilated cannot be estimated accurately, but may well exceed \$5 million.
CONNECTICUT											
Washington, Litchfield Co.	1						0	0	4	0	Electrical
											Fire from lightning destroyed barn and contents.
Central and Western portions	3	Afternoon					0	0	4	0	Rain, electrical.
											Thunderstorms were damaging in scattered communities, mostly in the central portion of the western and central sections of the State. Heavy rains flooded many streets and cellars and caused road washouts and pavement cave-ins. New Britain was one of the hardest hit communities. Rains caused a landslide onto Rte. 9 at Haddam. Considerable traffic delays also at Bristol. Lightning knocked out power and phone service in local areas. Many minor lightning losses. Major losses from lightning included a home badly damaged at Avon and a garage and auto destroyed at Bristol.
FLORIDA											
Ft. Lauderdale Broward County	2	Afternoon					1	0			Wind.
											Sign blown down by wind struck and killed one person on street.
Eustis Lake County	4	Afternoon					0	1			Lightning.
Fort Myers Lee County	5	4:35 P.M.					0	0			2 Funnel clouds.
Homestead Dade County	5	11:00 A.M.					0	0			Funnel cloud.
Tampa Hillsborough County	8	4:00 P.M.					0	0			Hail.
											Hail reported 3/4 to 1 inch in diameter near Tampa airport.
Tampa Hillsborough County	9	Afternoon					2	5			Lightning.
											Lightning killed 2 and injured 5 more persons who took refuge in a shelter on a golf course during a thunderstorm.
Homestead Dade County	10	4:20 P.M.					0	0			Funnel cloud.
Dalray Beach Palm Beach County	10	4:40 P.M.					0	0			2 Funnel clouds.
											One cloud touched ground briefly but caused no damage just S.W. of Dalray Beach.
West Palm Beach Palm Beach County	11	4:40 P.M.					0	0			Funnel cloud.
West Palm Beach Palm Beach County	11	3:45 P.M.					0	0			Waterspout.
West Palm Beach Palm Beach County	14	1:50 P.M.					0	0			Funnel cloud.
West Palm Beach Palm Beach County	16	3:50 P.M.					0	0			Funnel cloud.

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	
FLORIDA (Cont'd.) High Springs Alachua County	19	Afternoon	-	-	0	0	-	-	Lightning.
									Lightning killed 53 hogs who took shelter under a tree in pasture during thunderstorm.
Lignumvitae Key Monroe County	21	Early morning	-	-	0	1	-	-	Lightning.
									Lightning struck bridge tender house on Florida Keys, doing considerable damage to the wooden structure and injuring one person.
Miami Dade County	29	Unknown	-	-	0	0	-	-	Funnel cloud.
									Cloud sighted near Miami International Airport.
Miami Dade County	29	Afternoon	-	-	2	0	-	-	Wind.
									2 persons drowned when huge wave knocked them into water at 163rd street beach.
West Palm Beach Palm Beach County	30	4:54 P.M.	-	-	0	0	-	-	Funnel cloud.
GEORGIA									
Scattered sections of State	3	p.							High winds and electrical
									Heavy thunderstorms caused wind damage in widely scattered sections of State. Quitman, in Brooks County, and Eatonton, in Putnam County, were hit by severe storms that caused damage to electrical and telephone lines. Trees were uprooted and roofs damaged. Lightning killed 22 cows near Wrightsville, in Johnson County, as it moved down a fence along which the cows were standing.
Savannah area and eastern counties	29				2	8	6	5	Hurricane Gracie
									Widespread damage to buildings, utility lines, and trees in the Savannah and coastal areas as hurricanes moved inland southwest of Charleston. Winds reached 75 mph in gusts at Savannah and gale winds extended inland as far as east-central Georgia where there was some wind damage to utility lines and buildings and considerable wind and rain damage to unharvested cotton, corn and pecan crops. Live wires blown down by storm caused death of one person in Statesboro and one in Savannah. Injuries occurred in Savannah area and were mostly minor.
IDAHO									
South of Salmon River	12-14				0	13	5	5	Widespread thunderstorms
									Unprecedented September rains, totalling 1 1/2 to 3 inches at several localities, caused extensive local flooding, while wind & lightning also caused some damage. Slides of dirt and rock covered highway between Emmett and Horseshoe Bend evening of 12th and again on 14th, when slides also closed roads in at least 3 places in mountain area north of Fairfield. Flash flood washed out road near Gray's Landing on Salmon Creek Reservoir in Twin Falls County late afternoon of 13th and that evening lightning struck and seriously damaged a residence in Fayette. Meanwhile heavy rains continued in many localities, resulting in extensive flooding of streets and basements in Caldwell,ampa, Hernalde, Fayette and other places. Wind and lightning added to the damage. Power outages and some structural damage were reported from numerous points all the way from the Idaho-Oregon border eastward and northeastward to Halley, Rexburg and Salmon. On the 14th a bus skidded off the highway near Mountain Home, injuring 13 passengers.
Boise	22	Early Evening						4	Thunderstorm with heavy rain
									A thunderstorm of rather limited extent which remained stationary over the Cottonwood Creek drainage, brought the second flash flood in little more than a month to residential areas in the northeastern part of the city. Although damage was far less than in the August flood, mud and water did cover a number of streets, lawns and basements, calling for emergency diking and other protective measures by the city. Profficial measurements indicate rainfall ranging from 3/4 inch to 1 1/2 or 2 inches, mostly in the lower portions of Cottonwood Creek watershed.
Rexburg	26	5 p.m.						4	Tornado
									Two homes were damaged, utility lines knocked out, a truck and an orchard damaged as a small tornado hit north of Rexburg. Damage not extensive and no injuries reported.
Boise	26	Daybreak						5	Heavy rain
									Once again the Cottonwood Creek watershed was the source of flood waters that struck the northeastern part of the city. Water again covered some 60 acres within the city as it had in the August 20th storm, but damage was considerably less as flow was partially diverted from the most vulnerable areas and mud and debris were a much smaller problem.
ILLINOIS									
Wayne City	9							1	Lightning
									Killed a farmer on a hay wagon 6 miles south of town.
Park Ridge	21	4 pm	1		0	1	4		Wind
									A windstorm, possibly a tornado, moved northeastward through the southeast side of town damaging trees and utility lines. A falling tree crushed a truck cab and injured the driver.
East Moline	22	5:30 pm			0		4		Windstorm
									caused considerable damage to trees and utility lines plus some structural damage.
Thomson	26	1:05 pm	4	40	0		4		Tornado
									Moved northeastward from south of Thomson damaging a half dozen farmsteads.
Quincy	26	afternoon			1	2			Windstorm
									Man killed and two persons injured as tree fell on a moving car.
Mt. Sterling	26	3:15 pm	17		0		5		Tornado
									Moved northeastward from near Buckhorn to near Bushville causing moderate to heavy damage to about 10 homes or farmsteads. Funnel cloud sighting reported.
Monmouth	26	3:17 pm	7	300	1		5		Tornado
									Moved toward the east-northeast through the south-central part of the city and on to the northeast. Path width variable and funnel evidently not in full contact with the ground. Very heavy damage to trees and utility lines. Many trees pushed toward north or north-northwest. Funnel cloud obscured by low clouds and rain. Roaring sound reported. Separate tornado may have caused heavy damage at airport. Man killed when tree struck small garage.
Alpha-Woodhull-Cambridge	26	afternoon			0		5		Tornado
									Farm and commercial buildings heavily damaged in Alpha-Woodhull area and 3 or 4 farmsteads damaged east of Cambridge. May have been 2 or 3 separate tornadoes.
Bradford	26	3:45 pm	4	100	0		4		Tornado
									Moved toward northeast through the south side of town. Damage mostly to trees but some structural damage also. Damage to farms southeast of Princeton may have been caused by an extension of this storm.
Dixon	26	4:30 pm			0		4		Tornado
									Photograph showing total destruction of a substantial barn south of town indicates occurrence of a tornado.
La Salle-Peru	26	4:50 pm	4		0		4		Tornado
									Many trees were downed and moderate structural damage occurred as a probable tornado moved northeastward through the south side of Peru and the main business district of La Salle. Funnel sighting and roaring sound reported.
Belvidere	26	5 pm	3		0		4		Tornado
									Wrecked a large barn south of town and caused structural and tree damage on south side of town. Roaring sound reported.
Oswego	26	5:30 pm	4		0		4		Tornado
									Destroyed large barn 2.5 miles south of town. Funnel cloud sighted 2 miles east of Aurora. Some storm may have caused damage at junction of Highways 59 and 65; in fact, extension of path would cover damage areas extending to Wilmette.
Miles, Park Ridge	26	5:45 pm	10		0		5		Tornado
									Tornado and windstorms moved northeastward from Country Highlands to southeast side of Park Ridge to Miles police station. Several tornado effects observed in the latter area. Numerous trees were downed and light to moderate structural damage occurred.
Palatine, Lake Forest	26	evening	10		0		5		Tornado
									A windstorm and intermittent tornado path extended from Palatine northeastward to southeast of Half Day and to Lake Forest area. Tornado damage pattern doubtful at Palatine where damage was heaviest but rather definite near Half Day and near Lake Forest.

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
ILLINOIS (cont'd)										KANSAS (Cont'd.)									
North half	26	afternoon					6		Wind	Wilson County	1	7:30p				1			Electrical
	During a three hour period beginning about 3 pm, numerous heavy thundersqualls caused much damage to trees and utility lines. Damage was particularly heavy in the Chicago area where utility companies estimated damage at nearly a half million dollars. Besides the eleven tornadoes reported above, there was also indication of possible tornadoes at Delavan, Ponton, Hinckley, Rochelle, Rock Falls, and in the Joliet area.										Lightning struck near a service station in Neodesha. One man was knocked down and remained unconscious for awhile.								
Bardolph	27	8:30 pm	10	200	0	1	5		Tornado	Norton County	1	night							Electrical
	Moved northeastward from southwest of Bardolph to east of Bushnell. Heavy damage to high school and to trees and smaller buildings in Bardolph. Some farmsteads were also damaged.										Lightning caused quite a little damage at a Norton home, especially to the telephone and electrical appliances.								
Grafton	28	morning							Funnel clouds	Finney	3	about 1:00a							Hail
	Sightings reported near Grafton and Roodhouse.										Hail damaged crops locally north and east of Holcomb, about the west central part of the county. Every melon in a large watermelon patch had at least 1 hole in it. Other crops were stripped of leaves or beaten into the ground. Several pigs were killed. A truck was battered and dented and numerous house windows were broken out. Six hours after the storm, stones measuring 7 1/2 inches in circumference and 3/4 inches in diameter were found.								
Maroa area	28	5-7 pm	35	5*			4	4	Hail	Cherokee County	3	1:45p-2p	1	200	1	3			Tornado
	Heavy fall of hail as large as golf balls covered a strip extending from Illiopolis to south of Weldon.										A small tornado travelling from the southeast to northwest struck the village of Riverton at the intersection of highways 26 and 66. Power lines were blown down, a store building unroofed, a large trailer house was moved 7 feet off its foundations. A woman was blown the full length of the store porch and slightly injured. Funnel was plainly visible.								
INDIANA										Butler County									
Odon, Daviess County	1	5 p.	.1	15	0	0	3	0	Tornado		8	6:00p-6:30p	5	1200					Hail
	Small tornado lifted roof from building about 1 1/2 miles southwest of Odon. The tornado was observed to move from west to east at a fast walking pace.										Hail stones, many of golf ball size and some 3 inches in diameter with a jagged surface fell on the village of Ithaca and nearby area in the southeast part of the county. All roofs were badly damaged, many windows broken, and gardens and crops ruined. Little wind accompanied the hail.								
Patoka, Gibson County	8	3:15 p.	-	-	0	0	4	0	Lightning	Hess County	9	3:30a							Electrical
	A large barn 2.5 miles north of Patoka was struck by lightning and destroyed by fire.										Lightning started a grass fire near Laird in the west central part of the county. About 50 acres of grass were burned.								
Winchester, Randolph County	10	10:55 p.	-	-	0	0	0	0	Funnel cloud	Lyon County	9	10:00a							Electrical
	State police sighted funnel cloud 6 miles south of Winchester.										Lightning struck a rural home near Emporia damaging the T. V., radio, and several electrical appliances.								
St. Louis Crossing, Bartholomew County	26	11:30 p.	-	-	0	0	3	0	Tornado	Kiowa and Pratt Counties	16	7:45p-9:00p				5	4		Tornado, hail, and electrical (2)
	A small tornado tore the roof off of a house, broke windows and tore the top out of a tree one mile south of St. Louis Crossing.										A severe thunderstorm progressed eastward across these 2 counties through the evening. Heavy hail fell at Millinville and nearby area. Stones were varied but in most cases frozen very hard. Some were as large as baseballs, many the size of walnuts and some were cubes about 3/8 inch thick, 2 1/2 inches wide and 4 inches long. Hail fell over much of the west part of Kiowa county. Many roofs were damaged and numerous windows broken. A tornado dipped to earth 2 or 3 times southeast of Byers in Pratt County about 8:30p but only a few trees were torn up. Hail damaged several small areas northeast of Pratt. Several lightning strikes shattered poles supporting electric wires and caused line breakages.								
Royal Center, Cass County	28	6 p.	-	-	0	0	3	0	Tornado	Riley County	16	late evening					2		Electrical
	A small tornado badly damaged two barns one mile east of Royal Center. Movement of tornado was southeastward.										Lightning damaged the Kansas State University moon watch station by burning out the power supply.								
Argos, Marshall County	28	11:15 p.	-	-	0	0	3	0	Tornado	Cowley County	16-17	night							Electrical (3)
	Tornado damaged a farmhouse, barn, shed and killed two sheep about 3 miles southwest of Argos.										Electric line transformers were struck in several places over the county by lightning causing breaks in electric service for several hours.								
IOWA										Sumner County									
Maquoketa, Jackson County	8	10:00 p.					4		Lightning		17	1:30a							Electrical
											Lightning set fire to a large barn 3 miles west of Runnewell. Barn and 20 tons of hay burned.								
Woodbury, Ida, Sac, Buena Vista, Palo Alto and Pocahontas Counties	20	10:00 p.					4	3	Windstorm	Rice County	17	early am					2		Electrical
											Living room furniture was damaged in a house in Geneseo when lightning entered the house through the wiring.								
Southeastern Third of Iowa	26	10:00 a.					3	6	6	Windstorms	Butler County	17	9:00am						Electrical
	3 unconfirmed funnels reported near New Sharon, Belle Plaine and Chelsea. Associated with squall line activity preceding a cold frontal passage. Much corn and oats down. Few associated reports, with minor losses, of hail, lightning and heavy rains.										A wooden gun barrel was struck by lightning 3 1/2 miles north of Leon. Gun barrel and contents of crude oil were consumed by fire.								
Northern Des Moines and Southern Louisa Counties	27	7:15 p.					4	4	Hailstorm, Winds & Rain	Hodgeman County	17	9:20pm			1	3			Tornado and hail
	Hailstones the size of baseballs reported near Media-polis and Toolestoro. 10% of damage due to wind & rain.										A tornado struck a farmstead 3 miles west and 4 miles north of Jetmore. Some damage was done to the house, barn, sheds and farm machinery. A woman was cut by glass when a metal grassy was blown against the west side of the house. Path was toward the northeast. Some damage from hail. Many birds killed.								
Scott and Clinton Counties	27	8:00 p.					4	4	Hailstorm	Pawnee County	17	10:34p	2	narrow					Tornado
	Hail on highway disrupted traffic - 7" diameter.										A tornado, perhaps a reformation of the one northwest of Jetmore at 9:20 pm, struck several farms about 7 miles north of Ross. Some evidence that the funnel cloud had progressed from near Hampton about 20 miles southwest. The farms buildings were extensively damaged. The house was found to "bulge" in several rooms after the storm.								
KANSAS										Russell County									
Russell County	1	about dawn							Hail		17	11:05p							Electrical
	Considerable marble sized hail fell near Iray in an early morning thundershower. Several insurance claims were paid.										Lightning split open a metal oil tank on a lease northwest of Russell. Oil and tank burned.								
Saline County	1	11:42a							Electrical	Dickinson County	18	10:45p							Electrical
	Lightning struck the KSAL transmitter tower near New Cambria, damaging the transmitter and related equipment. Station was off the air about an hour.										A house in Enterprise was struck by lightning with damage to the T.V. and nearby furniture.								
Sumner County	1	4:45p							Funnel cloud										
	Funnel cloud sighted 8 miles south and 1 west of Wellington Turnpike interchange. Sighted momentarily.																		

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS				
KANSAS (Cont'd.) Bees and Rush Counties	20	7p-11pm					4	4	Hail and heavy rain.	KANSAS (Cont'd.) Crawford County	24	early morning							Electrical			
									A thunderstorm over these two counties produced rather severe hail and some torrential rains that resulted in a disastrous flood along Walnut Creek as far east as Great Bend. Hail damage path extended from south of Bees City northeastward 35 miles into Rush County and was about 5 miles wide in places. Pasture grass was beaten into the ground and crops were stripped of leaves. Stones ranged in size from 3/8 to 1 1/2 inches in diameter. Hail fell at various times and with different intensities over the 4 hour period. Many pheasants and jack rabbits killed.													In and near Galena electric and telephone lines were damaged. Fuse boxes and switches were blown out by lightning.
Pawnee County	20	7:25p							Tornado	Butler County	23	?				1			Electrical			
									A funnel cloud touched ground several times approximately 12 miles northeast of Burdett. Little or no damage was done.		24								Just as a man opened the refrigerator door lightning struck and a large ball of fire appeared to jump out of the refrigerator with a noise like both barrels of a shot gun going off at once. The man was knocked unconscious. Electrical appliances were ruined.			
Russell County	20	7:15p-8:05pm							Hail	Marshall County	26	6:30am							Electrical			
									Several showers all with small hail occurred in the 45 minutes, around Luray. Leaves were stripped from trees. Stones were mostly 1/4 to 3/8 inch in diameter. Approximately 10 square miles were affected to some extent.										Lightning struck near a farm home 2 miles northwest of Arbol burning 100 bales of hay and severed the electric service to the farm.			
Washington County	20	9:15 pm					3		Electrical after lightning struck near Mahaska in the northwest part of the county.	Ree County	26	9:00 am							Electrical			
																			Lightning burned the wires in 3 consecutive business blocks in Hutchinson, with service interruptions for 3 hours. Freezers in grocery stores began to melt and a bakery was put out of operation for awhile.			
Ellis County	20	9:00pm							Electrical	Montgomery, Labette, and Cherokee Counties	27	6:00pm-6:30pm	8	440	1	1	4		2 Tornadoes, funnel clouds(?) hail and wind			
									Lightning struck the transmitter tower of radio station KATS 2 miles west of Hays, with minor damage to electronic equipment. Station was off the air about 30 minutes.										A severe thunderstorm over these southeastern counties produced 2 tornadoes, 3 funnel clouds, hail and severe wind. The tornadoes covered a path of 8 miles from near Bartlett to about 3 miles south east of Oswego. Damage was done at five farms and at 3 of these buildings were utterly destroyed. The funnel clouds moved exceptionally slow with a tremendous warning roar which allowed folks in the path to seek safety. Many escaped by driving out of the path of the approaching storm. One man was struck by flying debris as he sought shelter in a terrace ditch. Another man died from heart failure as he endeavored to drive away from the approaching tornado. Hail was so severe south of Oswego 2 miles that bar windows were broken. One funnel cloud was sighted 10 miles southeast of Independence, one near Baxter Springs and one near Columbus. High winds damaged a large implement shed northeast of Columbus. A bewildered deer collided with a highway patrol car near Chetopa. The deer was killed and the car badly damaged.			
Dickinson County	20	10:45pm							Electrical (2) with damage to a house in Abilene and the other strike damaging the power lines leading to Talmage.	Sumner County	30	1:55 am				4			Electrical			
McPherson County	20	late evening							Electrical										A farm house in southeast Sumner county was destroyed by fire after being struck by lightning.			
									A chicken house and a large flock of chickens were burned after the house was struck by lightning north of Windom.	KENTUCKY												
Marshall County	20	11:00pm					3		Electrical	Hopkins County	2	PM					4		Hail and Wind			
									Lightning struck the steeple of the Christian church in Marysville. A number of stone blocks in the bell tower were cracked. No fire resulted.										Hail and wind caused extensive damage to tobacco crops. Hail stones were reported as falling for about 30 minutes, and the stones were about the size of quail eggs. Damage by hail 70% by wind 30%.			
Marshall County	20	near midnight					5		Electrical	Christian County	2	PM					4		Hail			
									A large dairy barn northeast of Marysville was struck by lightning and was entirely consumed by the resulting fire. Two nearby silos were also badly damaged.										Hail and rain damaged tobacco crops with most of the damage by hail. The northern part of the county was mainly affected.			
Harris County	21	4:45 am					4		Electrical	Christian County	8	PM			1	4	3		Wind and Hail			
									A dairy barn and left full of hay were lost by fire after being struck 5 miles southeast of Wilbey. Seventeen milk cows were rescued from the burning barn.										A heavy windstorm accompanied by rain and hail struck the county with most damage in the northeast edge of the city of Hopkinsville. At least one building was flattened. The wind unroofed other buildings, blew out windows, toppled trees limbs and television antennas, and disrupted electrical service. The wind and hail also damaged dark tobacco fields.			
Coffey County	21	7:00am							Electrical	LOUISIANA												
									A fire caused by lightning burned the barn, granary, and machine shed and machinery at a farm southwest of Bartlett.	Calcasieu Parish	2	10:30 a								Waterspout		
Ipsa County	21	7:05 am					4		Electrical										on Calcasieu Lake 10 miles SSW Lake Charles			
									Lightning started a fire that destroyed a large barn, equipment and tool shed. 80 tons of hay, and some grain at a farm 8 miles east of Olpe. The barn appeared to explode immediately after the bell hit.	Caddo Parish, Shreveport	3	Unk.				3	3			Thundersquall		
Barton County	21	3:50 pm							Funnel cloud										Three persons injured by flying glass when snow trees unrooted, utility poles down			
									A pilot reported sighting a funnel cloud suspended from cloud base 20 miles north of Great Bend.	Assumption Parish, Labadieville	8	Unk.				1			Lightning			
Cowley County	23	2:00 am							Electrical	Jefferson Parish, 5 mi. NW Kenner	8	8:05 am							Funnel cloud			
									A two-story frame house was set afire by lightning 11 miles west-southwest of Arkansas City. House and contents were an entire loss.	Jefferson Parish, 2 mi. NE Kenner	16	5:35 pm								Funnel cloud		
Russell County	23	6:30 am							Electrical	Calcasieu Parish, 15 mi. SE Lake Charles	18	5:00 pm							Funnel cloud			
									A small house about 8 miles southwest of Russell was destroyed by fire started by a bolt of lightning.	Jefferson Parish, 12 mi. SE Grand Isle	28	12:45 pm								Waterspout		
Mitchell County	23	morning							Electrical	Lafayette Parish, 12 SW Lafayette	29	12:21 pm							Funnel cloud			
									Wiring and electrical appliances were damaged by lightning in a home on the west side of Belett.	Calcasieu Parish, 6 mi. S Lake Charles	30								Funnel cloud			
Butler County	23	noon					1		Electrical	MAINE												
									A bolt of lightning struck a house in Leon. Almost every electric outlet from the electric fuse box to the door bell were ruined. Light bulbs were shattered into many pieces. The T.V. and refrigerator were damaged. The mother of the home was shocked.	Augusta to East Dover	24	12:46 p.				0	0					Hail aloft.
Neosho County	23	afternoon							Electrical										Airplane pilot reported one inch diameter hail encountered aloft in line of thunderstorms. No reports of damage.			
									Electric service to the town of Thayer was off for 3 hours after lightning struck and burned out an automatic cut out.													
Piawoy County	23	late evening or night					2		Electrical													
									Lightning struck a house in the north part of Garden City, damaging the wiring, burning out the lights, charring wood near the wires and ruining the T.V. set and an automatic washer.													

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

SEPTEMBER 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM			
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS				
MARYLAND										MISSOURI (Cont'd)												
District Heights, Prince Georges Co.	1	afternoon			0	0	3		Lightning	Springfield, Greene County	26	1:50 p.							Thunderstorm			
									A vacant farmhouse used as a storehouse burned to the ground after it was struck by lightning. Baskets and furniture were stored in the building.	Grove Spring, Wright County	26	2:45 p.-2:50 p.	8	100			5		Tornado			
North Inglewood Prince Georges Co.	1	afternoon			0	0	4		Lightning										Town of 100 population badly damaged. No one injured. Cars picked up and tossed 1/2 mile. Weather Bureau cooperative observer, Roy McWiley, saw the tornado before it hit, and warned residents of its approach.			
									The attic of a house at 5319 Beaver Dam Drive, North Inglewood was wrecked by fire after lightning struck a chimney. The saw bolt damaged a house next door.	Mexico, Audrain County	26	mid-afternoon			2	1	5			Thunderstorms		
MASSACHUSETTS										MISSOURI (Cont'd)												
Springfield and vicinity, Hampden Co.	1	A.M.			0	0	4	0	Heavy rains	Gray Summit, Franklin County	26	late afternoon							Thunderstorm			
									Street and road washouts. Traffic hampered and a few homes isolated.										Heavy damage to power and phone lines. Many trees down. Numerous reports of damage to roofs and windows. A truck terminal building was blown down. Described as the heaviest storm damage since 1948.			
Hampden and Hampshire Cos., and Marlboro, Middlesex Co.	3	Afternoon			0	0	5	0	Rain, electrical	Lebanon, LaCade County	26	3:50 p.							Funnel Aloft			
									Heavy rains caused many washouts in roads and some cellar flooding. Harvest hit were Wilbraham, Hampden, Palmer, Springfield, and Marlboro. A small 1/2-ft. dam was washed out at Hampden. A small barn and contents were lost by fire from lightning at Holyoke. Other minor lightning damages. Pebble sized hail caused no damage. Report of three inches of rain in two hours at Hampden.	Rolla (Sw), Phelps County	26	4:25 p.									Funnel Aloft	
MICHIGAN										MISSOURI (Cont'd)												
Wayne County	1	Evening					4		Heavy rain	Marion-Ralls-Pike-Lincoln Counties	26	late afternoon					5		Thunderstorms			
									Heavy rains mostly in the Detroit area, caused local flooding of expressways and depressed highways. Damage mostly from inundated automobiles.										Damage to homes, business houses, farm buildings, trees, power and phone lines as the line of thunderstorms moved through the area.			
Lower Michigan (all)	9	Afternoon			1	1	4		Thunderstorms	Roseta, Franklin County	26	4:40 p.					4		Thunderstorms			
									Series of thunderstorms produced scattered damage to buildings, plate glass and fires from lightning strikes. Fatal injury from lightning strike near Bay City and one injury from lightning near Midland. 70 miles per hour winds reported from Battle Creek area.	St. Louis	26	5:55 p.-7:30 p.			1		5			Funnel Aloft		
Lower Michigan (all)	26 thru 28				1		5	C	Thunderstorms	Maxville, Jefferson County	26	6:02 p.					1	5	Funnel Aloft			
									Series of thunderstorms over the three day period caused scattered damage mostly from local high winds and lightning. Airplane hangar near Channing destroyed including aircraft parked inside. \$75,000 damage. Lightning strike caused structural damage to school building in Kalamazoo. Damage, \$25,000. 3/4 inch hail reported near Detroit. Power failure from trees blown down on to power lines in Kent County resulted in power failure to 12,000 customers. One injury from lightning strike near Lansing. Winds gusting to 62 miles per hour reported at Willow Run Airport near Ypsilanti.	Cape Girardeau County	26	8:00 p.										Funnel Aloft
MINNESOTA										MISSOURI (Cont'd)												
Wadena, Wadena County	6	3:00 p.					3	0	Hail	Charleston (10 S), Mississippi County	26	8:50 p.							Funnel Aloft			
									Hail 3 inches in diameter reported.	Camden (10 N), Camden County	26	9:50 p.							Funnel Aloft			
Side Lake to Lake Vermillion, St. Louis County	6	3:00 p.	30	1			4	3	Tornado	Irwin, Barton County	26	12:05 p.							Tornado			
									Although funnel not observed resultant damage and description of noise of storm indicates a tornado. Near Idington two farmers lost all their buildings but their homes. A dozen other farmers reported some damage to buildings. Hundreds of trees uprooted, snapped off or twisted. Many power and phone lines downed by falling trees. Numerous county roads and farm approaches were closed by the fallen trees.	Springfield, Greene County	27	6:22 p.									Funnel Aloft	
MISSISSIPPI										MISSOURI (Cont'd)												
Warren County, SW part Vicksburg	2	6:55 pm							Funnel cloud	Howard-Boone-Monroe County	27	7:23 p.-8:15 p.			1	5	4		Tornado			
MISSOURI										MISSOURI (Cont'd)												
St. Joseph, Buchanan County	22	evening				1		5	Thunderstorms										First report of tornado activity came at 7:23 from 7 South of Salisbury. This storm moved toward the NE for about 3 miles, and apparently dissipated. Next report came from near Boonville. This storm moved toward the NE also, causing heavy damage to farm buildings near Woodlandville and Harrisburg. The path of the storm passed just NW of Centralia. One man died of a heart attack when he sought shelter from the storm in Centralia. The last report of this storm came from near Paris, in Monroe County, where a funnel aloft was sighted.			
									Flooding from heavy rain over much of southern St. Joseph, Quaker Oak plant heavily damaged. Up to 4.5 inches of rain reported.	Folk-Greene County	27	8:00 p.					3			Tornado		
Andrew-Dekalb-Century-Harrison-Mercer Counties	26	8:00 a.-9:30 a.			5	5	4		Tornado	Jackson-Cape Girardeau Counties	27	8:00 p.							Funnel Aloft			
									Several house roofs blown off, boards driven into livestock. Trailer house blown over. One occupant suffered broken arm. Storm then moved toward the ENE, causing damage at Albany, Lone Star, Stasberry, Bethany and Priceston. Power and phone lines in these counties were down along the path of the storm. Many trees, barns and homes were damaged. At some places the path of damage was 1/2 mile wide.	Versailles, Morgan County	27	8:20 p.										Funnel Aloft
MISSOURI (Cont'd)										MISSOURI (Cont'd)												
										Camden (10 N), Camden County	27	9:00 p.							Funnel Aloft			
										Moberly, Randolph County	27	9:00 p.							Funnel Aloft			
										Waynesville, Pulaski County	27	9:30 p.							Funnel Aloft			
										Clinton, Henry County	28	1:05 p.							Funnel Aloft			
										Warrensburg, Johnson County	28	1:08 p.							Funnel Aloft			

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

SEPTEMBER 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MISSOURI (Cont'd) Gasconade, Osage County	28	3:45 p.-4:10 p.	10	100	1	4	4		Tornado
									Path began near Freeburg, River. Several farm buildings badly damaged. Corn flattened by wind. Crossed Highway 89 near Gasconade River. Buildings badly damaged. Corn flattened by wind.
Ashland (E), Boone County	28	4:00 p.					3		Tornado
									Farm buildings damaged.
Springfield, Greene County	28	9:30 p.							Funnel Aloft
Waynesville, Pulaski County	28	9:30 p.							Funnels Aloft (2)
Sikeston, Scott County	28	11:05 p.	5 SW, the other 10-15 SE.						Funnel Aloft
MONTANA									
Harlowton, Wheatland County	8	Afternoon	-	-			4		Strong Wind
Billings, Yellowstone County	8	Afternoon	-	-			4		Strong Wind
									Strong winds were reported over most of the area east of the Continental Divide, but damage reported only in Harlowton-Billings area. At Billings, gusts reached 84 M.P.H. at the control tower, and 70 M.P.H. at the WBAS. 50-60 M.P.H. winds continued for several hours.
NEBRASKA									
Cherry and Sheridan Counties	4	night	Several Spots	0	0	0	3		Lightning
									Several large range fires resulted
Near Arnold	9	2 a.m.	A few Spots	0	0	0	3		Lightning
									About 500 acres cured range burned
Near Crab Orchard	16	early am.	Spot	0	0	3	0		Lightning
									Two thousand bales alfalfa hay burned
Near Adams	17	night	Spot	0	0	3	0		Lightning
									Two cows struck and killed
O'Neill, Page, and Iman area	20	unknown	Spotted, over several sq. miles.	0	0	3	2		Hail
									Stones up to size of golf balls. Considerable roof and window damage
Anbura-Nebraska City area	20	10-11 pm.	20 A few miles	0	0	3	2		Wind squall
									Possibly a small tornado in this storm. A second wind squall struck Anbura around 2 a.m. on the 21st. Considerable damage to trees, television antennae, and windows.
2 mi. east of Humboldt	21	early am.	Spot	0	0	3	0		Lightning
									Home struck, considerable damage
NEVADA									
Elko, Elko County	14	2:27-37 PM	12 500-1000	0	1	6	0		Wind, rain
									High winds (68 MPH with gusts to 94 MPH) in connection with a frontal thunderstorm, damaged numerous buildings in and near Elko. House trailers were blown over and many trees and utility lines blown down. Most damage caused by wind.
NEW JERSEY									
Fort Dix	3	9:15 p.m.			1	8			Electrical
									One soldier killed instantly when struck by lightning; eight other soldiers injured when felled by lightning bolts in separate flashes. None of the injured were seriously hurt.
NEW YORK									
Bankers-Mt. Vernon area, Westchester County	1	afternoon					5		Severe electrical storm, heavy rain, strong winds
									Heavy short period rainfall flooded cellars, washed out roads and caused other severe damage to industrial and home areas; some power failures.
Hillsdale area, Columbia County	3	5-6 a.m.					3		Severe thunderstorm, heavy rain
									4 1/2 inches of rain in about one hour as a result of a severe thunderstorm. Telephones knocked out but damage not severe. Some local surface flooding.
White Plains-Tarrytown area, Westchester County	3	afternoon					5		Severe thunderstorm, heavy rain
									2 1/2 inches or more of rain in one-half hour at high tide time. Severe flooding in low areas with up to 18 inches of water in some sections; disruption of traffic, damage to streets and roads, power failures, washouts, etc.
NEW YORK (Cont'd)									
Western Sullivan County	10	early morning					5		Severe thunderstorms, heavy rain
									Several severe thunderstorms occurred between midnight and 6 a.m.; torrential rainfall with amounts estimated up to 8 inches. Extensive low level and small stream flooding, washouts, communication and power failures, road damage, loss of small bridges, etc.; over 30 families marooned by flood waters.
NORTH CAROLINA									
Moore County	2	7 p.m.					3		Electrical
									Lightning struck and burned barn, with livestock and supplies.
Johnston County	5	aftn				1	2		Electrical
									Woman in home struck by lightning, shocked and burned.
Forsyth County	5	3 p.m.					3		Electrical
									Barn burned by lightning.
Cleveland, Davidson, Forsyth, Guilford, Wake Counties	6	during day					4	4	Rain
									Local washouts and flash floods scattered over Piedmont North Carolina damaged fields, roads and buildings.
Guilford County	29	aftn					4		Probable Tornado
									Large, well constructed barn "blown apart by cloud that rolled along the ground".
Granville County	29	2:20 pm					3		Tornado
									Small funnel seen to strike in town of Butler, destroying one small building and damaging roofs, trees and utility lines.
Entire State	29-30						5	5	Tropical Storm
									Remains of Hurricane Gracie crossed State with center moving northward near 81° longitude, causing scattered damage from wind and rain. See tornado damage listed separately above.
NORTH DAKOTA									
Central North Dakota	8	Evening			1	12	4	-	Strong winds
Garrison	8	Evening					2		Tornado
OKLAHOMA									
May and Noble Counties	1	4:00 to 5:50 p.	30 *12				5	4	Funnel aloft, hail
									Funnel aloft was observed over Tonkawa in May County. Hail up to the size of baseballs and some shaped like discs up to 8 and 9 inches in diameter and 1 to 2 inches thick fell in the vicinity of Tonkawa in May County and over most of eastern Noble County. The ground was covered 6 inches deep in some places. Extensive damage resulted to property and crops. On one farm 1000 turkeys were killed and 600 injured. Windows, roofs, and autos received heaviest losses. Storm moved south-southeastward.
Logan County	1	5:00 p.	20 *5				3	4	Hail
									Hail the size of golf balls and some larger damaged buildings and crops 3/4 miles southeast of Guthrie. Storm moved southward.
Midwest City, Oklahoma County	1	8:15 p.					3		Funnel aloft, wind, rain, hail
									Public reported funnel aloft just east of the city. Strong winds in the area toppled 2 oil derricks, broke trees and suked out a window. Some hail up to 1 1/2 inches in diameter was reported.
Wanette, Pottawatomie County	1	9:15 p.					4		Hail
									Hail up to 2 1/2 inches in diameter fell over a large area of the southwestern corner of the county. Extensive roof damage resulted in Wanette.
Stratford, Garvin County	1	p.m.							Hail
									A small amount of hail up to the size of hen eggs fell at Stratford. No damage was reported.
Sapulpa, Creek County	1	p.m.				1	4		Electrical
									Lightning struck a home resulting in loss due to fire. Occupant was killed.
Al Reno, Canadian County	5	a.m.				1			Wind, rain
									Person was injured by flying glass when a plate glass window was blown out during a severe thunderstorm. Storm moved southeastward.
Purcell, McClain County	5	7:45 a.	Short Narrow						Tornado
									Weather Bureau employe observed tornado form, touch ground momentarily, and dissipate. No damage resulted as it hit in open country. Storm moved southeastward.
Duncan, Stephens County	4	5:00 a.					4		Electrical
									Lightning caused fire which burned a lumberyard.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

SEPTEMBER 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (FATHOMS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
OKLAHOMA (Cont'd.)										
Anadarko, Caddo County	9	4:00 p.							Hail	
			Some hail as large as golf balls fell during a severe thunderstorm. No damage was reported.							
Harper and Woods Counties	22	p.m.							Rain, wind	
			Heavy rains of 4 to 11 inches fell across most of the two counties but the heaviest fell over the southeast quarter of Harper County. Top soil and terraces were washed badly. Newly planted wheat was damaged. Some flooding resulted in bridges and approaches being washed out. Strong winds caused minor damage in the area.							
Northern and Central Sections of State	23-25				1				Rain, electrical, funnel aloft, hail	
			Heavy rains fell over large portions of northern and central areas of the State with amounts of 4 to 8 inches generally reported. Lesser amounts fell over the rest of the State. Unofficial amounts of up to 11 inches were reported in the Hydro area in Caddo, Blaine and Custer Counties and extended northeastward into Canadian, Kingfisher and Logan Counties. Standing cotton and sorghums were damaged and newly planted wheat was washed out. Valuable topsoil was washed away and considerable flooding developed along streams and rivers. Large hail of up to 2 1/2 inches in diameter fell in Harper and Woods Counties and damaging hail up to the size of golf balls fell as far east as Enid in Garfield County and Taloga in Dewey County. A truck driver sighted 3 funnels aloft 16 miles north of Perry in Noble County at 4:50 p. on the 23rd. Lightning killed a man near Hydro in northern Caddo County. Many other lightning strikes were noted over the entire State.							
Hollow, Craig County	27	6:00 p.	12				4		Tornado, hail, electrical	
			Tornado moved on the ground through open country from just south of Hollow to across the State line into Kansas southwest of Cheyopa. No damage was reported in Oklahoma. Hail up to 1 1/2 inches in diameter fell over an area 7 miles long and 3 miles wide north of Welch to the Kansas border. Considerable damage resulted to property and unharvested soybean and maize crops. Lightning was continuous. Storm moved north-northeastward.							
Vinita, Craig County	27	9:55 p.			1		4		Wind, rain	
			Man was slightly injured when strong winds with a severe thunderstorm damaged a tourist court in the city and outbuildings in the area. Storm moved northeastward.							
Ardmore, 30 miles northeast	28	4:57 p.							Funnel aloft	
			Pilot reported funnel aloft.							
OREGON										
Northwest Oregon and the Columbia River Valley	4-5	Most of both days	200	#20-150	2	2	5	4	Wind	
			Strong gusty winds caused widespread power outages, particularly in downtown Portland; scattered fishing boats along the north coast, demolishing or sinking a few small boats and forcing many to rely on the Coast Guard facilities to get them back to safe moorage.							
Jackson County	10	Afternoon	1 1/2	1,200	0	0	2	4	Hail	
			Fairly severe hail in small areas 12-15 miles north of Medford. Occurred outside orchard area so damage not of major significance.							
Western and Central portions of State	10	Afternoon			0	0	5	4	Lightning	
			Lightning storms were well distributed over much of western and central Oregon. Numerous strikes were sustained in practically every forest in the area. Practically all of these were extinguished before reaching more than a fraction of an acre in size. In the Lakeview area, however, lightning started fire burned over 1,200 acres, destroyed an estimated 4 million board feet of pine timber. One home was set afire by lightning, and completely destroyed near Lowell.							
Umatilla County	11	Afternoon			0	0	4	3	Lightning	
			Fairly severe lightning storm in scattered areas. A grain elevator struck 10 miles north of Pendleton. Resulting fire destroyed it, some farm machinery, about 50 sacks of seed grain.							
Klamath County	14	Afternoon	1-2	1,000	0	0	3	4	Hail	
			Very severe hail extended over several hundred acres of ripened oats 8 miles south southwest of Klamath Falls. Oats were in process of being harvested. Damage was quite heavy in unharvested portions of affected fields.							
Medford area	17	Afternoon			0	0	3	4	Wind	
			Strong gusty winds in the immediate area of Medford blew large quantities of pears, some other fruit off trees.							
Scattered areas in northern half of State	19-20	Most of both days			0	0	3	4	Rain	
			Substantial rains in most of northern half of Oregon reached near cloudburst proportions in small areas. Some roads, small bridges damaged by flash flooding. In Willamette Valley large number of prunes were split with considerable tonnage total loss. Quality of much additional fruit reduced. In central Oregon sizable quantity alfalfa, clover seed either shattered by rain or spoiled by prolonged wetting.							
OREGON (Cont'd.)										
Northwest	26-27	Most of both days			0	0	4	4	Rain	
			Heavy rains, particularly in northwest Oregon, served to further interfere with some harvest activities, caused serious erosion on some steeper slopes. On Mount Hood loop resulting flash flooding in White River washed out a bridge and sizable section of highway roadbed.							
PENNSYLVANIA										
Allentown	29	Afternoon					5		Thunderstorm	
			Heavy rain accompanying storm caused a basement wall to collapse. Several barns, a furniture warehouse and a farm implement shed were struck by lightning and destroyed by fire that followed.							
East Stroudsburg	29	Afternoon					2		Thunderstorm	
			A barn containing 5 ton of hay and a tractor were destroyed by fire caused by lightning. Lightning also struck another building in town damaging an electric range and television set in an apartment and caused a small blaze.							
PUERTO RICO										
Vega Baja	24	3:30 p.			1	0	0	0	Thunderstorm	
			During a thunderstorm in Barrio Almirante Sur of Vega Baja a woman was struck by lightning and killed.							
SOUTH CAROLINA										
Aiken, Aiken County	6	1:00 p.	-	-	0	0	3	0	Windstorm	
			Some evidence of tornadic action.							
Fort Shoals, Greenville County	6	2:45 p.	-	-	0	0	0	0	Tornado	
			Funnel cloud touched ground briefly about 13 miles south of the city of Greenville.							
Garden City, Horry County	30	early morning	-	-	0	0	3	0	Tornado	
			Tornado a short distance north of Georgetown was on the northern periphery of Hurricane Gracie.							
South Carolina	29-30	about 9 a.m. 29th to about 5 a.m. 30th	-	-	7	2	7	6	Hurricane Gracie	
			The center of the hurricane passed over St. Helena Sound about 11:30 a.m. 29th, moved northward to Bamberg, then northward to Columbia and passed out of South Carolina about 3:30 a.m. 30th. Hurricane to gale winds encompassed practically the entire state. There were serious damages, interruptions to public services, and flooding followed the passage of Hurricane Gracie.							
SOUTH DAKOTA										
Central counties from Walworth to Mallette	8	Evening					6	4	Wind, electrical	
			Wind with gusts of 40 to 50 miles per hour affected counties either side of Missouri River. Low visibility blamed for four-car crash near Pierre, injured five persons; another accident near Mobridge injured one person. Farm buildings blown over or unroofed near DeSmet, Douglas county. Lightning started grass fires and burned several thousand acres of winter range in Mallette and Iyann counties.							
TENNESSEE										
Portland (near), Sumner County	8						1		Lightning	
			A farmer, standing in the hallway of an abandoned house was struck by lightning and killed.							
Alexandria, DeKalb County	8	4:42 p.					2		Lightning	
			Two farmers, standing under a tree during a thundershower were struck by lightning and killed.							
Gold Dust, Ashport and Halls, Lauderdale County	26	7:05 p.-8:00 p.	13	2000-3000			7	5	5	Tornado
			Apparently continuation of Arkansas storm which passed near Lepanto, Keister and Ocoola. In Tennessee the storm moved from Gold Dust to Ashport and then skipped to the Halls area. Path of destruction was 8 miles in the Gold Dust - Ashport section and 5 miles near Halls. Funnel cloud was observed at Ashport. At Gold Dust 2 persons were hospitalized and another injured to a lesser extent as one house was unroofed and another toppled. Near Halls 2 houses were destroyed and 25 houses, 6 barns and 4 tractor sheds damaged. Two men were hospitalized when a tree was blown down on their car and 2 persons were hospitalized after their house collapsed upon them. Farm crops, mainly cotton and soybeans were badly damaged.							

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

SEPTEMBER 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
WISCONSIN (Cont)	d.)								
Green County	22	Late 22					4		Lightning
	23	early 23							
			Power failures. Barn struck and burned.						
Stanley, 10 miles SE, Clark County	22	6:30 P.	1/4	30				3	Tornado
			Lifted after crossing corn field.						
Milwaukee, Milwaukee County	26	6:28-6:36P	4	narrow	3		5		Tornado
			Moved from SW to NE. Made 3 brief touchdowns.						
Racine, Kenosha Counties	26	6:30-7:00P	15	50			5	4	Tornado
			Touched down south of Kansasville and lifted in suburb of southwest Racine.						
Southwest Counties	26	afternoon					5	5	Wind, rain
Walworth County	26	7:00 p.m.					4		Wind
Milwaukee, 25 miles SW, Racine County	28	2:23 P.							Funnel
WYOMING									
Green River to Superior	15	Early afternoon	35	1760	0	0	4	0	Hail

* Miles instead of yards.

** Yards instead of miles.

• Includes crop damage.

C Crop damage.

† 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 \$5,000,000
- 7 \$5,000,000 to \$50,000,000
- 8 \$50,000,000 to \$500,000,000
- 9 \$500,000,000 to \$5,000,000,000.

States and territories not listed in these tables reported no storms or unusual weather phenomena during the month.

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. Delayed data and corrections will be carried in the June and December issues of this publication.

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