

U. S. DEPARTMENT OF COMMERCE

Lewis L. Strauss, Secretary

WEATHER BUREAU

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STORM DATA

MAY 1959

Volume I No. 5



ASHEVILLE: 1959

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 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									
Bibb County	12	12:10 pm	4	100	0	0	3	4	Tornado
	Storm struck 4 miles south of Centerville and moved northward through rural area cutting swath through timberland. Damaged 2 houses and demolished several small outbuildings. One person was reported to have been lifted bodily by the wind and blown about 100 yards. Crop damage was mainly to timber.								
Jefferson County	12	1:30 pm	8	100	0	5	5	1	Tornado
Bessmer and Fairfield	Funnel cloud observed as tornado first hit 1 mile south of Bessmer skipping northward and causing spotty damage as far as Fairfield. Most damage occurred when the storm first hit with the greatest damage along a path 50 yards wide and 2 mile long. Three houses were demolished, at least 20 others damaged, and numerous other buildings damaged. Many trees were blown down, as were telephone lines and power lines.								
Dallas County	20	10:30 am		20	0	0	2	1	Tornado
Seama	Funnel cloud was observed dipping down from clouds and touching ground for about 100 yards. Caused minor damage to barn and service station. Path was from SW to NE.								
Dale County	22	1821							Funnel cloud
Ozark	Funnel cloud aloft observed over Ft. Tucker. Visible for about 5 minutes.								
Entire State	Tropical Storm Ariene caused heavy rains and flash flooding to many localities of the State from May 30 through June 1. The principal damage was to roads, bridges and crops. Unofficial reports of more than 8 inches of rain were received from Mobile County where the damage was greatest. Property damage estimated to be \$50,000 and the damage to crops \$50,000. One person was injured when struck by lightning in Mobile County on June 1. No damage from high winds occurred.								
ARKANSAS									
Midland area, Sebastian County	9	6:00 p.		* 1	0	0			Hail
	Storm moved from south to north. Disc shaped stones up to 1-1/4 inches in diameter reported. Stones averaged 3/4 inch in diameter. Ground was fairly well covered. Only slight damage noted.								
Dirkes, Howard County	10	2:40 p.	1/2	* 1	0	0	5	5	Hail
	Storm moved from southwest to northeast. Stones averaged 1/2 inch in diameter with largest stones up to 1-1/2 inches in diameter. The ground was covered to a depth of 1/2 inch. Extensive damage to automobiles, roofs and gardens.								
Eastern Jefferson and Western Desha Counties	13	5:00 p.			0	0			Wind, hail, rain
	Wind and hail caused considerable damage to roofs, trees and gardens. Hail stones to one inch in diameter reported. Excessive precipitation washed newly planted fields.								
Berryville, Carroll County	18	4:30 a.			0	0	3	0	Wind
	Wind destroyed a large refrigeration cooling tower at a food processing plant.								
Lake Conway, Faulkner County	21	3:00 p.			1	1	0	0	Lightning
	One man killed and one injured when lightning struck a tree under which they had taken shelter.								
Hot Springs, Garland County	22	1:00 p. to 1:30 p.			0	0	4	0	Lightning
	Lightning set fire to a natural gas distribution station on the south edge of the City of Hot Springs.								
Helena, Phillips County	22	3:30 p.	2	* 1	0	0	6	0	Wind, rain, hail
	Wind unroofed a garment factory where water from heavy rain rained 5,000 women's dresses ready for shipment. Local flash flooding stalled motor cars. Some light hail reported but it did not cause any damage.								
Western Randolph County	27	6:20 p.			0	0	0	0	Funnel aloft
	Airplane pilot reported sighting a funnel aloft 25 miles northwest of Walnut Ridge, Arkansas.								
See reference notes at end of table.									
CALIFORNIA									
Coastal area, Santa Barbara to La Jolla	2-3				1	3	4		Wind
	Gale force winds and rough water in coastal areas damaged several boats, sinking three, and driving three others ashore including a 136-ft. oil tanker. Three men from sunken boat rescued after 2 hours in water, required treatment for exposure. A fisherman was drowned when swept from rocks by heavy surf at Point Vicente Lighthouse near San Pedro.								
San Diego	5	11:30	6	20	2	3			Severe whirlwind
	A whirlwind moving from southwest to northeast, first observed over San Diego Bay as a waterspout, swept inland across San Diego Naval Station and adjoining housing area. Bent television antennas, broke windows, scattered trash cans, and ripped clothing from lines along a narrow path. A large corrugated metal boat shed was lifted spinning into air, severing power and telephone wires before crashing upside down in nearby street. Two persons slightly injured by flying debris. Dust column about 200-ft. high did not reach clouds.								
COLORADO									
Larimer County	3	Night			0	0	4	--	Electrical
	Lightning caused considerable damage to electrical equipment in the Fort Collins and adjoining rural areas. In Fort Collins, transformers and switches were burned out, resulting in \$8000 damage.								
Northeastern Colorado	4	Afternoon			0	0	3	3	Rain, hail, wind and lightning
	Thunderstorms accompanied by high winds and hail struck several locations during the afternoon. At Julesburg, a farm house was severely damaged by lightning. At Holyoke, high wind uprooted trees, blew down TV antennas & damaged roofs of houses. Rain accompanied by high wind & hail damaged crops in the Hartun, Paola areas.								
Costilla County	14	Noon			0	0	* 3	C	Hail
	Golf ball size hail in the Blanca, Fort Garland areas, damaged some buildings and crops. Hail piled up to 5 inches in some places.								
Greeley	18	3:30PM			1	1	--	--	Lightning
	A young man was killed by lightning on a farm 7 miles east of Greeley. He was on a plow being pulled by a tractor. The tractor operator suffered minor injuries.								
Extreme Northeast Colorado	18	5:30PM			0	0	--	4	Wind & hail
	Hail accompanied by wind & heavy rain damaged crops in Logan, Phillips and Yuma Counties.								
Northeastern Colorado	20	began			0	0	3	4	Heavy snow, rain & hail
	21 Afternoon 22 of 20th. A 3 day rain caused some flooding in Denver. Showers accompanied by hail in the vicinities of Limon, Hads, Burlington & Brighton damaged winter wheat & truck crops. Heavy snow immediately east of the mountains damaged power & telephone lines.								
Adams County	29	Afternoon			0	0	* 4	C	Tornado
	A tornado cut a swath through a farm community 12 miles north of Strasburg, damaging farm buildings & crops. A roof was taken off a house, & the barn, garage & chicken houses blown away on one farm.								
Logan, Washington & Yuma Counties	30	3:30PM			0	0	3	4	Hail
	Hail in the vicinities of Akron, Sterling & Yuma caused varied crop damage. Window panes were broken, roofs & buildings were damaged by the hail which was driven by a strong wind.								
Lincoln County	31	Afternoon			0	0	--	3	Hail
	North & northeast of Limon, a hailstorm damaged wheat & other crops. The area looked like a heavy snow had fallen.								
CONNECTICUT									
Salisbury, Litchfield County	12	4:45 PM	1/2	100		2	3		Tornado
	Destruction centered in apple orchard in which a dozen trees were twisted off at various heights between 5 and 10 feet above ground. Trees laying at different angles suggested rotary motion. Roof taken off tool shed which was located near orchard and slightly to the side of what appeared to be the tornado path. Property damage estimated at \$300.00, and crops at \$500 to \$1,000. Direction of storm advance was northeast.								
Central	12	1-6 PM			1	3			Electrical
	Principal damage from lightning occurred in the Middletown area of Middlesex County. Lightning-caused fire destroyed barn at Cromwell with loss, including tools and hay, estimated at \$2,500. Power failure up to two hours at several points in this area. Lightning also struck homes, causing minor structural or fire damage, at Southington, Bristol and South Windsor. Woman stunned as lightning bolt ripped wall plaster in her home at New Britain. One inch of rain in 30 minutes (about 5:30 PM EDT) reported at Waterbury.								

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					KILLED	INJURED	PROPERTY	CROPS	
CONNECTICUT Hartford County	29	3-4 PM					2	4	Hail, electrical
Heavy rain, accompanied by destructive hail and some lightning damage centered in the Manchester - Glastonbury area with little or no damage in nearby areas. Hail destroyed about 25 acres of shade tobacco including tent cloth, although crop loss minimized by the fact that the small plants could be readily replaced by new transplants. Loss, including cloth and labor to replant, estimated at \$5,000, to \$10,000. Lightning struck home in Manchester with fire damage to roof. Several streets temporarily flooded and scattered power and telephone failures occurred.									
Bloomfield, Hart- ford County	30	3:30 PM	**300	Narrow			3	2	Tornado
Small vortex with a diameter of less than 20 feet was observed by a woman as it approached from the north, starting about 100 yards away. Definite whirling mass of air was seen with noise like a shrill whistle. Apple tree in path was snapped off three feet above ground and blown 100 feet, narrowly missing the woman observer. As vortex passed between garage and house, its path curved from south to southeast and passed over greenhouse and cold-frame area. Twenty 4' x 6' glass sash were swept up, broken and scattered up to 400 feet away; glass panes in greenhouse broken at scattered places. Locked door on southeast corner of shed blown out as disturbance passed between shed and greenhouse. Tornado associated with electric storms in vicinity.									
FLORIDA Key West Monroe Co.	6	4:30 P.M.	-	-	0	0	-	-	Funnel cloud.
Cloud seen over ocean west of Key West.									
Lee Madison Co.	7	2:30 P.M.	-	-	0	0	-	4	Hail.
Approximately 75% of ground covered with hail, largest stones 3/4 inch in diameter, average size about 3/8 inch. Hail caused loss of 3 to 5 million pine seedlings in St. Regis Paper Company tree nursery, loss estimated near \$15,000.									
Suwannee County	9	4:00 P.M.	20	1760	0	0	4	5	Hail.
Heavy hail caused real property damage estimated at \$10,000 and crop damage estimated near \$100,000. Storm covered an area of about 20 square miles. 75% of ground was covered with hail and largest stones were about 1 inch diameter.									
Ft. Pierce St. Lucie Co.	11	Afternoon	-	-	0	1	-	-	Lightning.
Dredline operator injured when lightning struck machinery he was operating.									
Sarasota Sarasota Co.	11	6:00 P.M.	-	-	0	0	-	-	Funnel cloud.
Cloud sighted 8 miles S.E. of Sarasota.									
Daytona Beach Volusia Co.	13	3:15 P.M.	-	-	0	0	-	-	Waterspout.
2 waterspouts seen offshore about 5 miles south of Daytona Beach.									
Ft. Drum Okaloosa Co.	15	4:30 P.M.	-	-	0	0	-	-	Funnel cloud.
Cloud seen by cooperative observer about 10 miles east of station, cloud did not touch the ground.									
Key West Monroe County	16	3:30 P.M.	-	-	0	0	-	-	Waterspout.
Pensacola Escambia Co.	19	11:06 A.M.	-	-	0	2	4	-	Tornadoes (2) C.S.T.
Tornadoes moved northwest. Semi parent cloud for both tornadoes but only one in contact with the ground at a time. Property damage estimated near \$35,000.									
Clewiston Henry Co.	21	10:15 A.M.	-	-	0	0	-	-	Funnel cloud.
Tampa Hillsborough Co.	21	6:03 P.M.	2	150	0	0	3	-	Tornado.
Tornado occurred 3 miles N.W. Tampa airport and moved WSW. Total damage estimated near \$3,000.									
Tampa Hillsborough Co.	21	6:15 P.M.	-	-	0	0	-	-	Waterspout.
Waterspout seen in Tampa Bay, moving northward, at about same time tornado was affecting an area several miles north of the bay. No damages reported as result of this waterspout.									
Tallahassee Leon Co.	22	9:50 P.M.	-	-	0	0	-	-	Funnel cloud.
Cloud seen 3 miles S. W. of Tallahassee.									
St. Petersburg Pinellas Co.	25	7:00 P.M.	-	-	0	0	3	-	Wind.
Strong gusty winds caused damage to roofs of residences in a small area in St. Petersburg. Damages estimated near \$5,000.									
See reference notes at end of table.									
GEORGIA									
Fitzgerald, near Ben Hill County	9	2:30 p.	5	*1	0	1	4	3	Wind, hail and rain
Windstorm caused extensive damage to residences, barns and other out houses in Ashton District about 5 miles east of Fitzgerald. Many trees blown down or snapped off, causing additional damage to utility lines and other property. Marble sized hail and heavy rain that accompanied the windstorm caused mostly minor damage to young crops in the area. Storm moved northeast.									
Middle	9	Afternoon			1	1	4	4	Wind, hail, rain and electrical
Severe electrical storms, with hail, high winds and heavy rain hit in widely scattered sections of Georgia during the afternoon. One man was killed by lightning while fishing in Pulaski County, and a Carroll County woman was injured when lightning struck near where she was standing. Varying amounts of damage were reported to young crops and property in Pulaski, Carroll, Peach, Houston, Dodge, Baldwin, Elberton, Monroe, Jefferson and Brantley Counties. Hail caused some damage to peaches in a few orchards.									
Entire State	May 19 June 2						5	5	Heavy rains and windstorms
Almost daily rains from May 19th through June 2nd caused widespread damage to young crops in most areas of the State. Tobacco suffered the greatest damage in southcentral and southeast Georgia from extremely heavy rains from the 19th to the 23rd, with other field crops and truck crops also being damaged from dumping out, especially in low places. Very heavy rains fell in the Athens area from the 25th to the 27th, causing a great deal of erosion damage to fields. Roads were also heavily damaged and a number of bridges were washed away by rapidly rising creeks. The heaviest rains shifted to the westcentral part of the State at the end of the period, with record falls being recorded at some places. Flash floods in the Columbus area required the evacuation of residents from some low areas. Almost 4 inches of rain fell at Griffin in one and one-half hours on June 1st. Damage to crops, fields, roads and bridges has been heavy in most sections of the State, with actual amount of damage yet to be determined. Crops have not only suffered from the heavy rains, but the extended period of wet weather has made cultivation impossible and has made insect control most difficult. Some areas reported measurable rain on 15 consecutive days during the period. Windstorms accompanied some of the heavier rains, adding to the property damage.									
Brunswick, 25 miles north, McIntosh County	28	1:29 p.							Tornado
Pilot reported small tornado touching ground, moving northnortheast.									
IDAHO									
Canyon and Gem Counties	13	Evening					4		Wind
High wind first struck about 6:30 P.M., toppling large chimney on 4-room school at Letha, west of Emmett, smashing roof and doing extensive damage to interior of building. Power outages, disruption of telephone service, toppled and broken trees, plus minor structural damage reported at numerous points. About 9 P.M., a second surge of strong winds scattered a 40 x 150 ft. barn east of Caldwell, picked up and demolished a huge machine shed belonging to the City of Caldwell, smashed a large shed south of Hampa, blew roof off one barn and shifted another on its foundation, felled trees and did further minor structural damage.									
Mountain Home, near	17	4:40 P.M.							Funnel clouds
Small funnel clouds were observed southwest and west of the Mountain Home Air Base. They apparently did not touch the ground. No damage reported.									
Boise, near	27	Noon							Funnel clouds
Several small funnel clouds aloft were sighted from Boise Air Terminal. Location estimated 30 miles south.									
Boise, near	28	11 A.M.							Funnel cloud
Funnel sighted from Air Terminal - estimated 10 miles northwest. Funnel remained well above ground and dissipated rapidly after about 10 minutes.									

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
ILLINOIS										INDIANA (Cont'd.)									
Des Plaines	3	3:30 pm							Funnel cloud aloft	Hamlet, Starke County	30	6:30 p.	—	—	0	0	1	0	Wind
									Funnel cloud sighted west of Des Plaines and northwest of O'Hare International Airport.										Trees damaged and hail reported.
Urbana	5	4:50 pm			1	1			Lightning	Koonts Lake, St. Joseph County	30	6:40 p.	—	—	0	0	1	0	Wind
									Two boys struck while walking on sidewalk of high school grounds. Storm did not appear severe. Very little rain or wind and no hail. Only a few cloud to ground lightning strokes accompanied by a sparse fall of extremely large drops of rain.										Trees damaged and hail reported.
Mt. Vernon	9	evening					4		Tornado	Plymouth, Marshall County	30	6:55 p.	—	6	0	0	3	0	Tornado, rain
									Probable small tornado damaged two farmsteads southeast of town. Storm moved toward the northeast.										Funnel cloud touched ground briefly at the southern city limits of Plymouth. Several trees were felled. The funnel apparently was observed earlier southeast of Walkerton. Streets and basements flooded by rain. Most losses caused by rain.
Columbia	10	12:10 am	3	50			4		Tornado	Dunes State Park, Porter County	31	7:10 p.	—	—	0	0	0	0	Funnel Cloud
									Tornado moved northeastward from a point 1 mile northeast of town. Damage to at least 4 farmsteads in rolling or hilly terrain. The path was intermittent and favored high spots.										Cloud reported by state police.
Monticello	11	3:50 am	short	30			5		Tornado	Ligonier, Noble	31	7:30 p.	—	—	0	0	0	0	Funnel Cloud
									Tornado wrecked electric cable factory south of town. Minor wind damage in town. Tornado moved eastward.	IOWA									
Northeast half	13								Dust aloft	Sioux, Plymouth, O'Brien & Osceola Counties	2	2:30 p.					5		Hailstorm
									A heavy dust layer aloft moved rapidly southeastward and reduced surface visibility to 1 or 2 miles in some places during the afternoon. Dust originated with very strong northwest surface winds over Minnesota, North Dakota, and adjacent areas of Canada.										Windstorm damage associated with hailstorm about 10% of damage. Hailstones to 9 inches circumference reported at Sanborn.
Wellington	26	12:25 pm	short	narrow			2		Tornado	Southeastern Iowa	2	10:00 p.					4		Windstorm
									Two empty steel grain bins wrecked just south of town. One was carried over a house and trees. Storm moved toward northeast.										72 mph gusts at Ottumwa.
Elk Grove	26	7:34 pm	1	40			2		Tornado	Southwest to North Central Iowa	4	9:00 p.					5		Windstorm
									Tornado downed trees and telephone poles some 3 miles west of O'Hare International Airport. Funnel cloud was observed at O'Hare WBAS. Tornado moved toward east-northeast but trees and fruit stands were pushed toward the north or northwest.										Squall line involved 40 counties from 9:00 p. to 2:00 a. May 5th. Associated tornadoes listed below.
North half	28	afternoon & evening			1				Wind, rain, lightning	Elliot, Montgomery County	4	9:20 p.	6	100			4		Tornado
									Numerous heavy thunderstorms caused scattered damage to trees and utility lines in many communities. One man was killed by a falling tree near Dixon at about 4:30 pm.										Audubon, Adair County
Northeast portion	28	5-7 pm							Funnel clouds aloft	Orient, Adair County	4	10:23p.	5	100			3		Tornado
									Funnel cloud sightings were reported in the vicinity of Atlanta, Decatur, Elgin, Marango, and Park Forest.										Nevinville (near), Adair County
Pittsfield	28						5		Lightning	Cooper to Dana, Greene County	4	10:30p.	10	150			4		Tornado
									Lightning fire heavily damaged a large farmstead near Pittsfield.										Johnson County
INDIANA										Western Poweshiek County	9	6:15p.	5	200			3		Tornado
Portland, Jay County	10	5 p.m.	—	—	0	0	4	0	Wind	Richland (near), Jefferson & Keokuk Counties	9	6:15p.	5	200			5		Tornado
									Severe thunderstorm with high winds blew down an outdoor theatre screen, television antennas, and damaged windows and roofs. Some hail of golf ball size reported.										2NE Stockport to near Wayland, Van Buren, Jefferson & Henry Counties
Indianapolis, Marion County	22	3:40 p.	—	—	0	0	0	0	Funnel Clouds	Clutier, Tama County	9	7:10p.	2	200			4		Tornado
									Three funnel clouds sighted. There was thunder but no wind.										SE of Adair to Beaver, Adair to Boone Counties
Evansville, Vanderburg County	22	8:25 p.	—	—	0	0	0	0	Funnel Cloud										Moved northeast. Nearly obliterated Fansler (village) and damaged 17 farms.
									Funnel cloud sighted 6 miles south of Evansville. Dissipated quickly.										Blanchard, Page County - 4NW Villisca, Montgomery County
Richland Township, Grant County	22	evening	1.3	880	0	0	0	3	Hail										Latimer-Coulter area to SW Chapin, Franklin County
									Crops damaged along road number 13 near Wabash County line. Some hail was 1/2 inch in diameter.										Avon Lake, Polk County
Gilead, Miami County	26	4:15 p.	—	—	0	0	3	0	Tornado										East Central Iowa Counties
									Tornado felled trees which caused minor damage in Gilead and a quarter mile to the west. Rain was heavy.										15% of damage due to hailstorm at Delta. 20% of damage due to heavy rains which washed out 2 bridges near Cedar Rapids and eroded farms in the area.
South Bend, St. Joseph County	28	10-12 p.	—	—	0	0	3	0	Wind										Northern Des Moines, Polk County
									Winds with gusts to 54 m.p.h. felled trees which damaged power and telephone lines, automobiles and a roof in north portion of South Bend.										10
Walkerton, St. Joseph County	30	6:30 p.	—	—	0	1	3	0	Wind, lightning, rain										10
									Heavy rains flooded streets and basements. Lightning disrupted power and telephone service, and shocked a girl leaning against a refrigerator. She was hospitalized. Thunderstorm moved southeastward. Damages attributed equally to wind, lightning and rain.										10
																			Strawberry Point to Ekader, Clayton County

See reference notes at end of table.

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IOWA (Cont'd.)									
Fremont County	18	12:10p.	5	inches	4		accumulation	caused	Heavy rains heavy
Shenandoah, Fremont and Page Counties	18	1:00p.			5				Windstorm
Corning, Adams County	18	1:45p.	1	200					Tornado
Red Oak, Montgomery County	18	2:30p.			4				Hailstorms
Clark, Warren & Jasper Counties	18	3:30p.			4				Windstorms
Southwestern Tama County	18	6:30p.			5				Heavy rains
Cherokee County	19	3:00a.							3 inch rain caused flash flooding of 30 homes in Montour.
Eastern Palo Alto & Western Kossuth Counties	19	4:00a.							Among the communities struck were Larrabee, Cleghorn, Meriden and Washita. Hailstones to the size of golf balls were drifted to depths of 18 inches in some locations.
Floyd County	19	3:00p.							10% of damage due to associated windstorms. Hailstones up to 2 inches diameter.
Western & Central Iowa	20	5:00p.							10% of damage due to heavy rains up to 8 inches in Emmet, Clay and Palo Alto Counties. 10% of damage due to scattered hailstorms.
Indianola, Warren County	20	5:00p.			2				Heavy rains
Promise City, Wayne County	20	7:00p.	15	450					2 drowned in flood waters of Otter Creek.
Near Hamburg to vicinity Thurman, Fremont County	26	8:00a.	15	490					Tornado
Lee County	26	3:30p.							Moved north northwest. Funnel cloud reported.
Rossie, Clay County	28	6:15a.	1	150					Tornado
Ruthven, Clay County	28	6:30a.	3	200					Tornado
Lost Island Lake, Clay County	28	6:30a.	1	150					Tornado
Fairfield, Jefferson County	28	3:30p.							Funnel aloft
Vinton to Urbana, Benton County	28	4:00p.							Funnel aloft
Waukon, Allamakee County	28	4:00p.							Funnel aloft
Gruver, Emmet County	30	9:40p.	2	200					Tornado
Nevada, Story County	31	1:15a.	15	450					Tornado
Moved northeast to Zearing and St. Anthony area. Two funnels reported.									
KANSAS									
Marshall County	2	About noon	18						Tornado and severe winds.
Ford County	3	5p-6:30p	10	4					Hail
A small but intense tornado struck the northeast part of Marysville destroying 5 metal hangers and airplanes at the air port. Tornado path was about 1 mile in length toward the southeast. Adjacent buildings nearby and some farm properties as far southeast as Frankfort were damaged by severe winds. Trees and power lines were blown down.									
Hail caused light damage over northeastern part of county. Some storms as large as 1 inch in diameter.									
KANSAS (Cont'd.)									
Salina County	3	11:00p-11:15p							High wind.
Mitchell County	4	3 am						3	A number of trees, power and telephone poles were blown over in Saliba.
Most of Central and northeastern Kansas	4	10:30a-9:30p							A sudden gust of wind blew a house trailer over blocking US highway # 24, 5 1/2 miles southeast of Beloit. Blinding rain prevented the driver of a second car a few minutes later from seeing the wrecked trailer. Car and trailer were both badly damaged, no one was injured.
Osborne County		1:25p-1:28p	1/2	30yds					Occasional hail, severe winds, heavy rain, tornadoes, funnel clouds
Jewell County		2 to 3pm	31						Severe and wide spread thunder storm conditions prevailed over much of the Central third of the state and several northeastern counties. Damages were varied and greater in some areas than others. The first effects of the storm were reported at 10:30 am in northwestern Trego county with a local hail storm of 35 miles in length north to south through Collyer and into southern Graham county. A 12 foot stone memorial marker was blown over and broken in the Hill City cemetery. The next outbreak was in southeast Morton County where hail and high winds caused considerable damage from 12:00p to 12:30p. By 5:30 pm stormy conditions were reported in Barber and Harper County along the Oklahoma line and as far east as Dickinson and Republic Counties. By 8pm the worst of the storm was over except in Wabunsee County. At 9:30pm a house in western Atchison County was struck by lightning and burned. Trees, power and transmission lines, signs, T. V. Aerials, windmills, windows, roofs, siding, automobiles, and crops suffered from the wind and hail. Severe winds estimated at 60-80 mph were the most prevalent. Source of damage especially in Barton, Rice, Jewell, Reno, Harvey, Washington, Clay, Ottawa, Dickinson, Morris, and Wabunsee counties. Most reports indicate quite strong winds from the south at first which increased and became more damaging as they turned to the northwest. Hail of golf ball size damaged crops severely over 5 townships in Barton County between 2 and 3 pm. In Reno County winds reached 75 mph and a loud roar was heard north of Hutchinson. Much minor damage resulted from severe southwest to northeast winds over Clay, and Dickinson County about 7:30p. The last of the severe winds were reported over Wabunsee and parts of Shawnee Counties from 8pm to 9 pm. Lightning struck twice in Dickinson County. Near Upland a hay shed and 8,000 bales of hay burned. In Hartington lightning struck a house causing a T. V. set and other electrical appliances.
Barton and Rice Counties		3:17p-4:00p							Damaging tornadoes were reported as follows over this area:
Pratt County		3:30p	1	1,200					Tornado
Reno County		4:30p	10	50					A small funnel cloud dipped to earth 3 miles west of Osborne and appeared to explode when it hit the ground. It travelled over an open field for 1/2 mile then lift going north for some distance then to the northeast and disappeared.
Barber County		5:35p-5:45p	1	500					Occasional small damage resulted from a tornado that first dipped to earth about 4 miles southwest of Ionia in southwestern Jewell County and traversed a broken path northeastward across Lovell Dam and passed into Nebraska ending near Hardy, Nebr. This may have been a continuation of the tornado in Osborne County.
		5:35p-5:45p	10	4					Two tornadoes following intermittent but more or less parallel paths from northern Stafford County northeast and then north through southeastern Barton and western Rice County destroyed or damaged buildings on 14 farms. Greatest damage was 6 or 8 miles southeast of Great Bend, near Sillica, and north and west of Chase near Bushton.
		5:35p-5:45p	10	4					A tornado struck a 45,000 kilowatt power line breaking two 55 foot poles and the wires southwest of Pratt. The funnel cloud was later seen 7 miles east and 1 north of Pratt where it dipped toward the ground 3 times as it progressed northeastward.
		5:35p-5:45p	10	4					A tornado damaged buildings along a northeastward path from about 5 miles south of Turon to 5 miles northeast of town.
		5:35p-5:45p	10	4					A small tornado developed southwest of Medicine Lodge, moved northeast across the northwest portion of the town doing some damage to a number of buildings.
		5:35p-5:45p	10	4					Tornado
		5:35p-5:45p	10	4					At about the same time a second and larger tornado struck ground 1 mile east and 5 south of Medicine Lodge traveling northeast for 11 miles. A number of farm plants, telephone and power lines, trees, and much farm machinery were damaged. Damage estimate includes both tornadoes.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
KANSAS (Cont'd.)									
Harper County	4	5:45p	20	50			3		Tornado
Spot damage resulted from a small tornado that skipped over a path from near Waldron in the southwestern part of the county north-eastward to near Harper, just missing Anthony on the west.									
Beno County	4	6 pm	10	50					Tornado
A second tornado at 6 pm paralleled the course of the one that occurred near Turon at 4:30 pm. The second tornado was 2 to 4 miles south of the first. A home roof was removed and a number of sheds damaged. Estimates of losses were included in the other account.									
Sedgwick County	4	6:35p-6:37p							Tornado
A tornado was sighted west of Clonnet, about 16 miles southwest of Wichita, but little or no damage was done.									
	4	7:05 pm							Tornado
Two tornadoes were reported sighted by sheriff's patrolmen, one at the north edge of Wichita and the other north of Valley Center. Both were short lived and caused little if any damage.									
Ottawa and Clay Counties	4	5:49p-6:30p	4	100			3		Tornado
A greenish white cloud with 2 or more funnels approached the village of Oak Hill from the west moving east very rapidly, numerous incipient funnels were observed. A number of farms, sheds, out-buildings etc were damaged. Several head of livestock were killed.									
Washington County	4	6:30p-6:40p	3	100			3		Tornado
Metal barns were crumpled, power and telephones blown down, house or two moved on foundations, loud roar heard but heavy rain obscured sight of funnel over path from 6 miles east and 1 mile south to 9 miles east and 1/2 mile north of Clifton.									
Morris County	4	7:30p	2						Tornado
A short lived but fully developed tornado struck first at the northwest edge of Wilsey, progressing almost eastward. Cloud had the appearance of a large "mush". Numerous explosive effects were noted, window panes were sucked out and broken pieces of glass were then driven into the sides of the house. Power lines were cut as the cloud crossed the highway near Wilsey.									
Dickinson County	4	7:30p-8:00p							Tornado
A tornado hit a double circuit power line a mile south and a mile west of Herington breaking 7 large poles and wires and disrupting service for almost 18 hours over a large Flint Hill area. Little other damage was reported.									
Wabunsee County	4	8:00p-8:30p	12	880			4		Tornado
Path of tornado damage extended from northwest part of Alma north-eastward through McFarland and to 3/4 miles southeast of Paxico. No distinct funnel cloud was observed due to the heavy rain but shape of debris and loud roar attending passage of the storm indicated tornadoic action. Windows were sucked out, buildings wrecked, trees pulled out of ground, power and transmission lines broken, and many T. V. antennas down.									
Jackson County	4	8:30p-8:45p	16	1 1/2			5		Tornado
A violent tornado swept a path from 4 miles west and 2 1/2 miles south of Holton northeastward missing Holton on the northwest side, for about 2 miles to a mile west of Whiting. Numerous large barns, corn cribs, sheds, silos, power and telephone lines, some roofs of houses, window lights, signs, were damaged or destroyed. A cement building near Whiting was broken in two. Many farm implements and some automobiles were wrecked.									
Sherman County	4	evening							Hail
A hail storm across the northwest part of Sherman county damaged many acres of crops, broke windows and punctured roofs, and dented automobiles. The path of the storm entered Kansas about 7 miles south of Kanorado and ended about 12 miles north northwest of Goodland.									
Shawnee	5	Shortly after midnight							Electrical
Lightning struck a house on the west side of Topeka but only minor damage resulted.									
Cowley County	5	4:30 pm							Electrical
Two houses in Arkansas City were damaged by a bolt of lightning.									
Craigford County	8	after midnight					1		Electrical
Lightning set a farm house afire near Pittsburg with considerable resulting damage. One person was injured in trying to escape the burning building.									
Beary County	10	afternoon							Electrical
Lightning burned a telephone line in two and tore a limb from a tree in Junction City.									
Sedgwick County	10	2p-3p					4		Severe Wind
High winds of 60 mph with gusts of greater velocity hit the Wichita area between 2 and 3 pm. Specially severe damage to roofs and trailer homes was reported at Maine, and in Park City. Minor damages were reported in other areas.									

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
KANSAS (Cont'd.)									
Sedgwick County	10	2:20p	2 1/2				3		Tornado
A funnel cloud came down to ground at Hesston and skipped north-east where it lifted after wrecking a large barn and windsill.									
Lyon County	10	afternoon							Highwinds
Walls of a bowling alley under construction were blown over by high winds. A number of trees were blown down and some other buildings were somewhat damaged.									
Jefferson County	10	3:15p-4p							Severe Winds
High west wind damaged buildings and trees south of Oskaloosa and eastward for some distance.									
Atchison County	10	3:30p	3						Electrical and Severe winds
An auction barn and livestock sheds were wrecked just west of Effingham by severe winds. Additional damage was done about 2 miles east of town. Lightning put several transformers out of commission which interrupted service over a large area. Storm was moving northeast.									
Leavenworth County	10	4 pm					4		Severe winds
A 3200 square foot steel supported awrie screen, many trees, power and telephone poles and wires, roofs were blown down or damaged by high winds from the west.									
Wyandotte County	10	4:30p							Severe winds
High winds caused material damage to trees, T. V. antennas, roofs, porches, windows, lawn swings over the northern portion of Kansas City, Kansas especially from 64th Terrace and Georgia Sts. to 62nd and Lathrop Road and again at 53rd and Leavenworth Road. Storm had a northeast direction.									
Doniphan County	10	even	6	5					Severe winds
Most damage to orchards southwest of Mathena.									
Woodson County	17	6:50p							Electrical
Lightning struck an oil tank near Yates Center with loss of oil and the power house.									
Butler County	17	4:35p-4:37p	short						Tornado
A funnel cloud dipped from fiercely swirling clouds about 9 miles north and 4 east of Eldorado. Damage was confined to a patch of timber.									
Butler County	17	3:45p-4p							Hail and severe winds, Electrical
Hail or jagged chunks of ice, a few 6 inches in diameter and driven by high winds damaged alfalfa and young corn and wheat over a considerable area north and east of Eldorado. Lightning killed a pony.									
Harper and Sumner Counties	17	6:45p-6:50p	2	400			4	3	Tornado
A tornado destroyed a barn and outbuildings 5 miles south of Anthony, and ripped to earth 2 other places between Anthony and Caldwell. Two funnels were observed. Main funnel appeared as a gray white tube. Storm moved south southeast rapidly.									
Sumner County	17	Afternoon							Hail and wind
North of Milan in the west central part of the county, hail as large as baseballs, but soft were reported. Due to their infrequency little damage resulted. Near Wellington a large un-occupied barn was leveled by high winds.									
Butler County	17	5 pm	short narrow						Hail
Hailstones, some an inch in diameter caused damage to neon signs and to roofs.									
Harper County	17	6:45p-7:45p	5	3			4	5	Hail
A severe hail storm occurred in the southeast part of the county over and immediately around Eluff City, most stones were about 1 1/2 inches in diameter with some 4 inches in diameter. Crops were damaged from 25% to complete loss.									
Chautauqua County	17	at night							Electrical
A barn and contents of hay 6 miles east of Sedan were burned after being struck by lightning.									
Labette County	18	5:30a					4		Electrical
Lightning struck a large barn early in the morning. Barn and contents of hay and feed were burned.									
Brown County	18	6:50p-7:20p	1/2	100			4	3	Tornado
A small but very intense tornado struck from the northwest at a farm home 5 miles west and 2 south of Hiawatha. Observers said the cloud dropped down and rebounded like a basketball, hung over the farm for about 20 minutes then moved slowly southeast, recurring towards the northeast passing over Hiawatha and then disappearing to the southeast. Nearby observers could see nothing but a large mass of swirling clouds but those at a greater distance reported a large funnel shaped cloud. The family sought safety in a cave. All buildings except the house were demolished. Pieces of 2x4 were found driven 2 feet into the ground. No other farms									

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Brown County	18	6:50p-8:00pm	20	4		4			Hail, wind and rain
Brown County	18	7:15p-7:20p	1	880		3			Tornado
Doniphan County	18	7:35p-7:50p	7	400		5			Tornado
Doniphan County	18	7:35p-8:25p	11	47		5			Hail
Sherman and Cheyenne counties	18	7 pm				5			Hail
Cheyenne County	19	early am				5			Hail
Seward County	20	3:00p-3:15p				3			Hail
Ellis County	20	4:15p-4:30p	3	2		3			Hail and wind
Jewell and Mitchell Counties	20	5:30p-5:45p				3			Wind, hail, funnel cloud, electrical
Central and South-eastern Counties	20	8:00pm				4			Funnel clouds, (3) Wind and electrical
<p>nearby were damaged. Water from 2 ponds was sucked up into the sky. A tooth from a barrow some distance from a truck prior to the storm was found inside the cab of the truck. Also the inside of the truck cab was plastered with mud. The cab door was found closed tight after the storm.</p> <p>Hail accompanied by heavy rain and driven by high winds, damaged much property in and near Hiawatha. Many window lights were broken. Most stones were 1/2 inch or less in diameter but a few were 2 1/2 inches in diameter. The storm approached from the southwest.</p> <p>A tornado struck at 2 farm plants about 4 miles north of Everest, moving from the northwest to southeast. The major damage was a large barn which was demolished.</p> <p>This tornado was probably a reformation of the one striking southwest of Hiawatha and north of Everest a short time earlier. It came to earth 4 miles west of Denton, passed about 1/2 mile south of Denton and continued its east southeast path until south of Bendona 2 miles where it began a slight curve northeastward ending 4 miles south and 1 east of Troy. Most damage was in the Denton area where there was a concentration of buildings. Some showed plainly the explosive effect of the storm. Barns and large feeding sheds which are numerous in this area were damaged or destroyed. Some houses suffered damage. Fifteen farm plants suffered some damage along the path. Power and transmission lines were down and service over a wide area was interrupted for some time. A number of pigs and some chickens were the only animals found dead. A boy driving a truck was picked up and carried over into a field where the truck upset and turned over but the boy escaped injury and walked home.</p> <p>Hail stones averaging from 1/2 inch to 3/4 inch in diameter fell over the area from Troy to Watena damaging much fruit and berries. Roofs and windows escaped serious damage. Hail fell for about 30 minutes and after a hill, fell for 15 minutes longer.</p> <p>Hail damage extended from across northern Sherman county into southern Cheyenne county causing extensive damage, especially to wheat. Most stones were near 1/2 inch in diameter.</p> <p>The north part of Cheyenne county suffered from hail. Approximately 20 square miles of wheat were damaged to some extent. Some places the ground was covered to a depth of 1 1/2 inches and a few stones were 1 inch in diameter.</p> <p>An area of 4 square miles of wheat in western part of the county was damaged slightly by hailstones from 1/2 to 1 inch in diameter.</p> <p>A combination of hail and wind struck a small area 15 miles northwest of Hays. Wind overturned a garage and leveled several other buildings. Wheat and barley was damaged 75%. Some stones were 1 1/2 inches in diameter.</p> <p>High winds from the south broke trees, power lines, unroofed a number of buildings and blew out buildings down over the 2 counties. Several airplanes at the Beloit airport received slight damage. A number of T. V. sets were bent or broken. A funnel cloud was observed south of Beloit moving northeast. Lightning struck a pole in a stockyard and killed 2 hogs as it followed down the pole.</p> <p>Wide spread but not severe damage was reported as a result of thunderstorm conditions. Trees, and power and transmission lines were broken in a number of places. Several transformers were burned out by lightning. Three funnel clouds were sighted south of Burdette. Most severe damage was in southern McPherson and Marion counties and in Harvey county north of Newton. In Wichita 60 mile per hour winds picked up gravel from used car lots and streets and sand blasted 135 cars with some glass breakage.</p>									
KANSAS (Cont'd.)									
Marion County	20	7:51p	short						Tornado
Marion County	20	7:58p							Tornado
Northeastern Counties	20	8:00pm-11:30pm			1	15	4		Wind, hail, funnel clouds, Electrical
Ellis County	25	7:30p					4		Electrical
Lyon County	26	about 4am							Electrical
Rice County	26	7:00p							Tornado(2)
Rice County	26	7:00							Tornado
Rice County	26	7:25p							Tornado
Leavenworth County	27	8:37p-8:55p							Funnel cloud
Brown County	27	9:15p							Funnel cloud
Neosho County	28	7:50p-8:30pm	3	100			4		Tornado
Ellis County	28	9:30p							Tornado
Smith County	28	evening							Funnel Cloud

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
KANSAS (Cont'd.)									
Sheridan County	29	4:15p-4:40p	8	*3			5	4	Wind, Hail and small tornado
									Hail ranging in size from marbles to base balls driven by considerable wind shattered windows, damaged roofs, dented cars and ruined crops. A few stones were 11 inches in circumference and weighed 5 ounces. Path of hail storm was northeast and near and around Hoxie. Hail fell for 30 minutes.
Graham County	29	5:00p-6:00p	6	*2			3	4	Hail
									A tornado destroyed several farm buildings 10 miles southwest of Hoxie, at 4:30 pm. Path was from southwest to northeast.
	29	5:00p	3/4	75			4	3	Tornado
									Hail ranging in size from 1 to 3 inches in diameter covered about 75% of the ground causing such crop and property damage over this 12 square mile area.
									Three funnel clouds were observed progressing northeastward over southwest Graham County. Only one struck ground doing considerable damage.
Ellis County	29	6:30p-10:00p	20	*8	1		6		Severe winds, heavy rain, hail and 6 funnel clouds
									Severe winds of 110 to 125 mph struck Hays at 6:30pm with continued storm effects until near 10:00pm. Hail was variable over the county ranging in size from marbles to 2 inches in diameter. Most damage was in an area 12 miles by 12 miles around Hays. Six funnel clouds were sighted. Direction of the storm was from north northwest to south southeast. The 450ft T.V. Tower of KATZ station was left a tangled wreck. Many trees were broken or torn down, several houses were moved on their foundations, power and telephone lines were badly damaged. Northeast of Hays, 15 miles, three head of live stock were killed by flying debris. Pieces of 2x4's had pierced the bodies of a cow and hog. A father and son were rescued from their car which had been swept off the highway by the high wind north of Hays and into a rain filled ditch. A jet fighter pilot was caught in a funnel at 15,000 feet and had to leave his plane when it "flamed out". 40% of damage due to winds, 50% to hail and 10% to heavy rain.
Osborne County	29	7:00p	short				4		2 tornadoes and 1 funnel cloud
									Two tornadoes struck about 12 south and 1/2 mile east of Osborne. The first one damaged buildings on one part of a farm and was observed traveling a northeast path. When the warning was being given over the telephone, the second tornado hit with a terrible sound and the movement of the house felt like a bucking horse as the 3 occupants lay on the floor. Windows and doors were blown in and much of the furniture was piled in the middle of the living room on top of a 24 inch mirror which was not broken. The house suffered extensive damage, sheds, machinery, automobiles, etc. were scattered northeastward over 80 acres. Slivers of wood were stuck in the sides of the house. Several head of livestock were killed and 16 were badly cut and were treated for stiffness.
Russell County	29	7:30p							Tornado
									A small tornado hit a farmstead east of Lucas with an indescribable noise. Trees were uprooted, an end was taken out of a work shop, and glass broken out of the upstairs windows. The storm progressed southeast toward Sylvan Grove.
Pottawatomie County	29	7:00p-7:20p	2	200					Tornado
									A weak waisted tornado with a wide contact with the ground was observed in a large pasture area near Emmett traveling northeast.
Washington County	29	7:30p	1/2	150			3		Tornado
									A small funnel came to the ground and appeared to split when it touched, only slight damage resulted. Tornado progressed from southwest to northeast about 8 miles east of Washington.
Washington and Nemaha Counties	29-30	7m-lan					6		Heavy rain
									Excessive rains estimated at 4-5 inches fell during the night and by 3 am Frankfort and surrounding area was experiencing its worst flood of history. Many homes and business houses were badly damaged and there was a tremendous loss of goods. Estimates of losses of crops, terraces and top soil ran into millions of dollars.
Osborne County	30	9 pm							Electrical
									Lightning struck a tool house on a farm south of Alton. The house and all contents were burned.
KENTUCKY									
Fulton County	11	PM			1				Electrical
									One person was killed when struck by lightning in the town of Fulton.
Jefferson County	13	PM					4		Wind
									Winds accompanied by heavy rain and some hail struck the Louisville area causing traffic accidents, demolishing a new concrete-block building and causing other property damage.
LOUISIANA									
Terrebonne; 3 SE Houma	11	5:14 pm	Short	Narrow	0	0	0	0	Tornado
									Touched ground for 3 minutes but no damage or casualty.
Orleans; New Orleans eastern part	20	10 am					4		Thunderstorm
									Thunderstorm attended by excessive rain centered over eastern part of city flooded sections of the city when pumping system unable cope with rate of accumulation; power out several sections; basement Charity Hospital flooded; lightning struck Municipal Auditorium knocking section coping off. Most of damage due to rain.
Jefferson; Lake Pontchartrain	23	2:06 pm							Waterspout
St. Bernard; Grand Lake	25	11 am							Waterspout
Morehouse; 5 S Bastrop	28	3:39 pm							Funnel aloft
SE Louisiana	30/31						5	5	Tropical Storm Arlene
									For details of this storm see Louisiana Climatological Data and Climatological Data National Summary May 1959.
MARYLAND									
Dickerson, Montgomery County	2	late pm			0	0	4		Lightning
									Severe electrical storm late in the evening caused considerable amount of scattered power line trouble. Lightning apparently destroyed a three-room elementary school in Dickerson.
Washington County	19	afternoon			0	0	4	2	Hail, rainstorms
									Heavy rains which reached cloudburst proportions caused considerable erosion damage to secondary roads. Some fields of corn and some gardens were also seriously eroded. Scattered hailstones caused some damage to peach orchards. At Indian Springs hailstones were reported as big as walnuts. In the Hancock area hail sizes were reported ranging from shelled peas to moth balls.
Wheaton-Kensington district, Montgomery County	23	afternoon			0	0	3		Lightning
									A lightning-packed storm struck the Washington, D. C. area in the late afternoon causing minor flash flooding, wind, and water damage. Lightning bolts struck a home in Wheaton and caused damages estimated at \$500 and a home in Kensington with losses reported at \$250.
Mount Airy, Carroll County	22	afternoon			0	0	4		Lightning
									Lightning destroyed a barn in the Mount Airy area. Loss estimated at \$7,000.
MASSACHUSETTS									
West Brookfield	5	1:30 p.	1	20	0	3	1	0	Dust devil
									Lifted 300 pound antique sledge 50 ft. into air and demolished it. Noise like train or jet plane. Injuries minor, bruises and scratches from flying debris and pebbles.
East Springfield	6	About noon			0	0	1	0	Dust devil
									Playpen, unoccupied, was lifted and dashed to the ground.
Springfield	6	2:15 p.			1	0	0	1	Dust devil
									Lifted objects to a height of near 100 ft.
Most of State	12	p.			0	0	5		Electrical, hail, wind, rain
									Thunderstorms with much lightning to ground with most damage in Central Mass. Barns destroyed at Hadley, Erving, and Belchertown by lightning. Utilities and trees also hit. Two hundred phones out in Greenfield. Many localities had hail up to 1/2 inch diameter, with stones ranging up to 1 3/4 inch diameter reported near Ashurst. Hail damage to apple crop undetermined. A wind-topped tree at East Boston smashed an auto. Heavy local rains caused a few washouts.
Holbrook	17	3 p.	2 1/2	Narrow	0	0	3	0	Possible tornado, hail, wind, electrical
									Hearsay and press reports of a funnel seen. Heavy humming sound heard, growing to a steady howl. Witness 200 ft. from storm path estimated wind velocity over 90 m.p.h. at tree top level but light at ground. Hail fell in a 1 by 2 mile area on south side of storm path. Stone size 3/4 to 1 inch diameter. A row of trees was uprooted, shingles ripped from homes, TV aerials downed and lawn furniture blown away. Lightning damaged one home, blew fuses in many electrical circuits in the town. Utility wires fell by falling heavy limbs and trees. A press quoted witness' description "big low black cloud whirling around and around," was neither confirmed nor positively denied by investigation.
Boston and South Shore communities	28	Early p.			0	1	4	0	Electrical, rain
									Lightning damage to homes and utilities, injury attributed to heavy rain causing skidding accidents. Also local minor flooding reported.
Eastern portion	30	p.			0	0	4	0	Electrical
									Lightning damaged homes, utilities, and trees. A Marblehead and a Wakefield home each was seriously damaged.

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MAY 1959

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					KILLED	INJURED	PROPERTY	CROPS	
MICHIGAN									
Hiles (20 mi W)	3	8 pm							2 funnels aloft
Muskegon	6	4-6 p.m.			3				Wind Squall
Sudden squall in Muskegon Bay, 3 fishermen drowned when their small boat was swamped.									
Lower Michigan (all)	6	Evening			1	5	3		Thunderstorms
Severe thunderstorms caused wide-spread damage mostly in buildings destroyed in local high winds or burned from lightning strikes. Heaviest damage near Monroe in destruction of building valued at \$40,000. 500 telephones out of service in Emmet and Charlevoix counties. One man injured near Edmund when a small farm building collapsed.									
Southeastern Lower Michigan	11	8-10 a.m.			1		5	0	Squall Line of Thunderstorms
Squall line first appeared about 8 am extending from Saginaw Bay to Kalamazoo and moved eastward through the rest of Lower Michigan by 11 am. Heaviest damage occurred when the squall line extended from the northern tip of the "Thumb" southwestward through Ann Arbor. One death occurred in Ann Arbor as result of falling high-tension wire. Damage in the Ann Arbor area was approximately \$250,000 in falling trees, wrecked buildings, fires, due to high winds. Funnels aloft sighted in Eron and Clinton counties.									
Arenac, Itron counties.	13	Afternoon					4		Thunderstorm
4 barns destroyed in high winds and lightning.									
Southeastern Half of Lower Michigan	19	Forenoon					5		Thunderstorms
Scattered damage due to lightning and high winds. 6 barns reported destroyed by winds or lightning-set fires.									
Oakland, St. Clair counties.	29	Afternoon					4		Thunderstorms
Lightning and high winds caused scattered damage to trees, buildings.									
Southern and Eastern counties	31	Late afternoon evening					4	4	Squall Line of Thunderstorms
Squall line formed in late afternoon extending from just north of Saginaw Bay to the southwestern corner of the State. Line moved eastward across rest of State most of damage occurring in a strip about 100 miles wide from Saginaw Bay southwestward. Damage was from local high winds, lightning and heavy rains. Funnels aloft were sighted near Bay City, Lupton and Davison. Crop damage was from hail near Kalamazoo.									
MINNESOTA									
West Central, Chippewa, Lac Qui Parle and Swift Counties	3	p.					0	3	Hail
Hail ranging up to 11 inches in circumference broke windows and damaged cars in Dawson and Murdock. Some damage also to early flat, wheat and oats. Some light hail also reported Brainerd area.									
St. Paul, Ramsey County	4	8:45 a.					2		Electrical
Lightning struck and set fire to attic of home.									
Minneapolis and Vicinity, Hennepin County	4	6:00 p.					2		Hail
Hailstones the size of golf balls. Hailstones plugged storm sewers and caused some flooding. Several power lines knocked out of service temporarily.									
Wabasso 35W, Redwood County	4	6:00 p.					2		Tornado
Several outbuildings damaged on one farm. Tornado moved north-eastward toward Redwood Falls.									
Redwood Falls 35W, Redwood County	4	6:10 p.					4		Wind
Several buildings damaged; trees downed by winds with gusts to 80 mph. Sky light cover of Redwood Falls hospital carried away. Storm moved in from southwest.									
Lake Lillian, Kandiyohi County	4	7:15 p.	**175	20			4		Tornado
Funnel cloud first observed 2 miles west of Lake Lillian as it struck one farm ripping the roof off the barn and destroying a hog barn. As the tornado moved into Lake Lillian it moved north-eastward. Residents report seeing 4 funnel clouds and hearing roaring sounds. Creamery warehouse destroyed, buildings damaged and unroofed, main power lines and television antennas downed. Several barns in area damaged. Appears to be same storm that struck near Wabasso, approximately 15 miles southwest, one hour earlier.									
New Ulm 6S, Brown County	4	7:20 p.							Funnel aloft
Sighted by public. Moved northeastward.									
MINNESOTA (Cont'd)									
Wells 15E, Faribault County	5	1:00 a.	1/4	30				4	Tornado
Observer reported storm sounded like a freight train. Several buildings destroyed on one farm; 2 x 4 boards driven into farm home. Tornado path from south to north.									
Walworth 1S, Mower County	5	5:30 p.						3	Funnel aloft
Funnel sighted by several people. Although it dipped it did not touch ground. One farmstead damaged by straight line winds, several old buildings blown over. Funnel cloud continued north-eastward.									
Minneapolis 3E, Hennepin County	10	4:00 p.							Funnel aloft
Funnel cloud observed by Air Force personnel at Fort Snelling.									
Dodge, Mower and Olmsted Counties	10	p.						3	Hail
Hail reported in Chatfield, Dodge Center and Rochester area. Crop damage was negligible.									
Minneapolis-St. Paul, Hennepin and Ramsey Counties	10	Afternoon						4	Wind, electrical, hail
Winds with gusts up to 46 mph downed trees and blew in store windows. Lightning struck power line disrupting service for 2 hours. Hailstones as large as 3/4 inch diameter fell over metropolitan area.									
Northern Half	11-12							0	Wind
Deep low pressure area near Hudson Bay caused 60-75 mph winds over northern half of state. Utility lines downed, windows broken, roofs damaged and sign boards toppled. Visibility in rural area near zero at times due to blowing dust. Considerable soil erosion causing some receding along Red River Valley. Estimated damage unknown. All time record winds for May broken at International Falls and tied at Duluth Weather Bureau Airport Stations.									
Fosston near, Polk County	18	4:00 p.							Funnel aloft
Funnel cloud sighted, appeared to touch ground in distance but no damage reported. Funnel travelled from SW to NE. Some hail also observed.									
MINNESOTA									
Aitkin, Cass, Crow Wing, Polk, Mille Lacs and Mahanomen Counties	18	4:00 p.						3	Hail
Hail stones up to 3 inches in diameter piled up to a depth of 2 to 5 inches in a few areas. Windows broken, roofs damaged and cars dented by impact.									
Grant, Ottertail, Traverse and Wilkin Counties	25	5:00 p.						4	Hail, Rain
Hail damaged roofs and broke thousands of windows. Heaviest damage reported at Foxhove and Campbell. Accompanying heavy rain generally 3 to 3 1/2 inches, caused temporary flooding. Unofficial rainfall of near 6 inches reported at Nashua. Any damage caused by the rain and hail more than offset by needed precipitation.									
Staples 10N, Wadena County	26	3:00 p.							Funnels aloft
Pilot reported 5 small funnel clouds formed then dissipated.									
Deer River, Itasca County	26	6:30 p.						3	Wind
Old hangar at airport destroyed by wind. Thunderstorm approached from SW.									
Ottertail, Otter Tail County	26	11:00 p.						3	Hail, electrical
Hail stones generally pea size covered ground for 30 minutes even in the pouring rain (1.90 inches). Damage was minimized due to lack of wind. Lightning strikes did minor damage to local residences.									
Minneapolis-St. Paul, Hennepin and Ramsey Counties	28	9:00 a.					1	2	Electrical
Man knocked out of his shoes by lightning bolt. Apartment building chimney damaged slightly and utility poles struck disrupting electric service. Accompanying rain caused slippery streets which brought on a rush of traffic accidents.									
Afton to St. Marys Point, Washington County	28	10:00 a.						3	Wind
Trees uprooted, wires blown down and buildings damaged.									

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 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				
MINNESOTA (Cont'd.)										MISSOURI (Cont'd.)												
Austin, Mower County	28	10:30 a.	35	10		2			Tornado	Barry-Lawrence Counties	9	eve					5		Thunderstorms			
									Witnesses saw funnel cloud and heard a whining noise. One garage twisted off its foundation. Several trees uprooted.									Heavy hail damage to strawberries, small grains, gardens. High winds and heavy rains accompanied the storm. Many roofs punctured by large hail.				
Kenyon, Goodhue County	28	Noon				4			Wind	Walnut Grove, Greene County	9	5:50 p.			1				Thunderstorms			
									Concrete block wall, 150 by 20 feet, under construction blown down by wind.									Man killed by lightning.				
Jackson and Martin Counties	30	7:45 p.				0			Rain and wind	Gainesville, Ozark County	9	5:00-5:15 p.	3	200			minor		Tornado			
									Heavy rains fell over West Des Moines River. Lakefield reported heaviest official rainfall of 5.60 inches. Approximately 3 1/2 inches of this fell in the first hour. The Des Moines River at Jackson overflowed its banks. Many county roads washed out. Basement walls caved in at Jackson and Fairmont. Heavy thunderstorms moved east and northeastward. Property damage greatest at Jackson. Crop damage very small.										Hit in timber area, tearing tops off trees.			
Wazata near, Hennepin County	30	10:00 p.				1	4		Electrical	Smithville (2N), Clay County	10	10:15 p.							Funnel aloft			
									Man injured when lightning struck home and started fire. Home completely destroyed.	Anderson-Goodman, McDonald County	10	eve	6	200			5		Tornado			
Mapleton to St. Clair, Blue Earth County	30-31	p. - a.	10	1000		0			Wind and rain									Several homes and farm buildings badly damaged. Highway 71 south of Goodman was covered with hail the size of hens eggs.				
									Straight line winds struck near midnight moved empty farm buildings on their foundations, blew down trees, utility lines and T-W antennas. Many automobiles damaged by fallen trees and limbs. Empty grain bins rolled and crumbled up. Hardest hit was St. Clair and immediate vicinity. Rainfall generally 2 to 3 inches caused little damage to crops, however, several roads under repair washed out. Light hail also fell. At Mankato several streets were washed and many basements flooded due to back up of storm sewers. Several thunderstorms moved from the SW to the NE.	Tarkio, Atchison County	10	Afternoon										Hailstones 2 1/2 inches in diameter fell in Tarkio.
Minneapolis, Hennepin County	31	1:00 a.					4		Electrical	Elmo, Nodaway County	10	4:45-4:50 p.					4		Tornado			
									Lightning set fire to two homes and damaged a chimney.									House and barn on a farm destroyed.				
Albert Lea, Freeborn County	31	Early a.					4		Wind	St. Joseph, Buchanan County	10	4:00-4:30 p.					5		Thunderstorms			
									Strong gusty winds moved through Freeborn County from SW to NE with heaviest damage occurring at Albert Lea and Myrtle shortly after midnight of the 30th. Many trees were uprooted and utility lines downed. At Albert Lea Airport one airplane damaged as it was blown over by the wind; two empty house trailers blown over on their sides. At Myrtle three empty 10,000 bushel grain bins blown off their foundations into another structure. There was no crop damage as rainfall was moderate and hail very spotty.												Winds hit 70 mph. Many reports of damage to roofs, trees, power and phone lines.	
MISSISSIPPI										Fleasant Hill, Cass County	17	7:50-11:00 p.	6	20			4		Thunderstorm			
Wayne; Buckatunna	11	10:30 pm	Short	Narrow		3			Tornado	Macon, Macon County	18	7:55-10:14 p.			1		6		Thunderstorm-Flash flood			
									Small tornado cut short path thru wooded area destroying timber									Blacksnake Creek overflowed, causing heavy property damage in the northern sections of St. Joseph. One man was drowned trying to wade to safety from his car, which had stalled.				
Bolivar, Cleveland	22	3:45 p				4			Thundersquall	Smithville, Clay County	18	10:10 p.							Funnel aloft			
									Severe thunderstorm caused considerable damage including radio tower toppled by high winds	Versailles, Morgan County	18	11:30 p.							Funnel aloft			
Coahoma; Clarksdale	22	3-4 pm				4			Thundersquall	Plattsburg, Clinton County	18	10:10 p.							Funnel aloft			
									Severe thunderstorm caused considerable damage in and around Clarksdale	Cameron, Clinton County	18	10:30 p.					4	4	Tornado			
Hinds; Jackson	22	7-8 pm				4			Thundersquall									Hail up to golf-ball size, with heavy rain and high winds. Many roofs, windows, cars damaged. Trees and phone and power lines down. 50% of the homes in the area damaged. Heavy damage to small grains.				
									Heavy rain and high winds accompanying thunderstorm caused some damage	St. Joseph, Buchanan County	20	10:30 p.							Funnel aloft			
Harrison; 125 Biloxi	25	9:56 am							Funnel cloud	Rochester, Andrew County	20	late eve					4		Tornado			
									Pilbt reported funnel cloud not touching water									Several homes and farm buildings damaged. Several witnesses saw funnel cloud.				
Yazoo; 12NE Holly Bluff	27	noon				4			Thundersquall	Pattonburg, Davies County	20	11:25 p.							Funnel aloft			
									Power lines severed by falling trees; 2 homes badly damaged	Albany, Gentry County	20	10:50 p.							Funnel aloft			
MISSOURI										Princeton, Mercer County	20	eve					4	4	Tornado			
Holt, Nodaway County	4	8:30-9:45 p.	40	100-200		5			Tornado									Several farm buildings badly damaged on farms north of Princeton. Heavy rain (1.50) and heavy hail also reported.				
									Buildings on about 35 farms along the path were damaged. Many places near the storm path got 2.50-3.00 of rain and winds estimated 70-80 mph. Storm path ran from near Oregon to near Mound City, Maryville to near Hopkins, then into Iowa.	Gilman City, Harrison County	21	12:05 a.								Funnel aloft		
St. Thomas, Cole County	9	9:35 p.							Funnel aloft	Monroe City, Monroe County	21	8:00 p.					minor		Thunderstorm			
									Lightning hit a large shed.									Heavy rain, hail 3/4 inch. Route 36 flooded.				
St. James, Phelps County	9								Thunderstorms	Vichy-Belle, Maries County	21	5:50 p.							Funnel aloft			
									Heavy damage to gardens, small grains and buildings. Large hail and high winds. Hail 8 inches deep in places after storm was over.	St. Louis County	21	4:45 p.								Funnel aloft		
Millville, Bay County	9	3:00-3:30 p.				4			Thunderstorms	Whiteman Air Force Base	21	7:55 p.							Thunderstorm			
																		Hail 1 1/2 inches in diameter at Whiteman AFB.				
										St. Louis County	21	1:45-2:05 p.				2	4		Thunderstorm			
																		Two railroad employees hurt when hit by lightning. Heavy rain caused flash flooding in Lelay area.				
										Sedalia, Pettis County	21	2:15 p.							Funnel aloft			
										Sedalia, Pettis County	22	5:30 p.							Funnel aloft			

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 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		
MISSOURI (Cont'd.)										NEBRASKA (Cont'd.)										
Farmington, (30NE), St. Francois County	27	6:23 p.							Funnel aloft	5 Miles west of Fremont, Dodge County	4	5:00 p.							Lightning	
St. Genevieve, St. Genevieve County	27	7:35 p.							Funnel aloft	House struck, badly damaged.										
Clinton, Henry County	27	1:45 p.							Funnel aloft	4 Miles north of Pilley, Gage County	4	evening			1				Lightning	
Kansas City, (30E), Jackson County	27	5:17 p.							Funnel aloft	Girl using telephone suffered injury to ear and limb was struck.	4	evening	short narrow						Tornado	
Franklin County	27	2:30 a.							Thunderstorm	Near East of Genoa, Nemac County	4	evening	short narrow			3			Tornado	
			Hail 1 inch in diameter	2 miles SW of Beaufort.					Thunderstorm	Near Burr, Otoe County	4	evening				3			Wind, possibly tornado	
St. Louis (7S), St. Louis County	29	6:00 p.							Thunderstorm	Cattle barn destroyed, grain bins moved. Damage over a few square miles.										
			Hail 3/4 inch in diameter.						Funnel aloft	Near Polk, Polk County	4	evening	few narrow miles			3			Tornado	
St. Joseph, Buchanan County	29	12:29 a.							Thunderstorm	Three sets of farm buildings damaged. Storm moved east-northeast.										
Hannibal, Marion County	29	2:32 a.							Funnel aloft	South of Wynore to near Rockford, Gage County	4	7:30 p.	10 narrow			4			Tornado	
			Hail up to 1 inch in diameter.						Thunderstorm	Extensive damage to many farm buildings. Storm moved toward the north over a winding path.										
Kansas City, Jackson County	31	3:12 p.							Funnel aloft	Amburn, Nemaha County	4	11:15 p.				3			Lightning	
Gardenton, Camden County	31	7:30-8:30 p.							Thunderstorm	Near Kansas, Adams County	5	evening				3			Lightning	
			Over 2 inches of rain in 45 minutes.						Wind	Large barn and contents destroyed.										
MONTANA*										NEBRASKA										
East and Central portions of State										East and Central portions of State										
	1	afternoon						4	Wind	Grain elevator bin destroyed at Doniphan. Several small buildings destroyed or damaged. Trunk shed unroofed at Oncha.										
Southeast of Hildreth, Franklin County										Southeast of Hildreth, Franklin County										
	1	evening						3	Wind squall	Buildings on several farms damaged, area too widespread to be tornado.										
Bellevue and area to south, Sarpy County										Bellevue and area to south, Sarpy County										
	2	shortly afternoon						1	4	Wind	Several roofs and trees damaged, resort cabin destroyed, wall collapsed on 10-year old boy. Storm covered small area.									
Ashland, Cass County										Ashland, Cass County										
	2	1:15 p.	short narrow					3	Tornado	Barn roof and 2 sheds destroyed.										
Northwest and north-central Jefferson County and scattered areas in Saline County										Northwest and north-central Jefferson County and scattered areas in Saline County										
	2	7:30 p.						3	Wind and some small hail	Several small farm buildings damaged. Storm moved northeastward.										
Between Lincoln and Waverly, Lancaster County										Between Lincoln and Waverly, Lancaster County										
	2	night						2	Wind	Garage roof blown into power line.										
North of Eryon, McPherson County										North of Eryon, McPherson County										
	3	5:00 a.						3	Lightning	Five grass fires started.										
Imperial and Vicinity, Chase County										Imperial and Vicinity, Chase County										
	3	6:00 p.						3	Hail	Damaged many roofs over area of a few square miles.										
Near to Northeast of Harty, McDowell County										Near to Northeast of Harty, McDowell County										
	4	early afternoon	15-20 narrow					4	Tornado	Storm originated near Webster, Kansas, moved north-northeast to Lovell Lake Northeast of Superior, Nebraska.										
Near Doniphan, Hall County										Near Doniphan, Hall County										
	4	3:00 p.	8 narrow					3	Tornado	Storm moved north-northeastward. Two sets of farm buildings damaged.										
North of Central City, Merrick County										North of Central City, Merrick County										
	4	3:30 p.	short narrow					3	Tornado	New 30x60' tool shed destroyed, old buildings one foot away undamaged.										
North of Osceola, Polk County										North of Osceola, Polk County										
	4	4:00 p.						4	Lightning	House struck, burned to ground.										
Northeast of Genoa, Nemac County										Northeast of Genoa, Nemac County										
	4	4:15 p.	10 narrow					3	Tornado	Windmill and barn roof destroyed. Storm moved east-northeast.										
West-southwest of Wahoo, Saunders County										West-southwest of Wahoo, Saunders County										
	4	4:30 p.	short narrow					1	3	Tornado	Chicken house lifted, moved 50 feet and smashed. Storm occurred about 15 miles west-southwest of Wahoo. One person suffered minor injury.									
										5 Miles west of Fremont, Dodge County	4	5:00 p.							Lightning	
										4 Miles north of Pilley, Gage County	4	evening			1				Lightning	
										Near East of Genoa, Nemac County	4	evening	short narrow			3			Tornado	
										Near Burr, Otoe County	4	evening				3			Wind, possibly tornado	
										Near Polk, Polk County	4	evening	few narrow miles			3			Tornado	
										South of Wynore to near Rockford, Gage County	4	7:30 p.	10 narrow			4			Tornado	
										Amburn, Nemaha County	4	11:15 p.				3			Lightning	
										Near Kansas, Adams County	5	evening				3			Lightning	
										Northwest of Osg, Clay County	11	unknown				3			Wind	
										Hinden, Kearney County	12	1:00 a.				3			Hail	
										Near Lexington, Dawson County	12	1:30 a.	Few narrow miles			4	0		Tornado and hail	
										Denton, Lancaster County	12	afternoon				1			Lightning	
										Northeastern Dundy County	17	evening				4			Hail	
										Sutherland, Lincoln County	17	evening				2			Wind	
										Near Clay Center to Saronville and Sutton, Clay County	18	9:00 a.				3	3		Wind, hail, heavy rain	
										Lincoln, Lancaster County	18	12:15 p.				3			Lightning	
										Chase County	18-19	evening					5		Hail and wind	
										Brook, Nemaha County	19	afternoon							Wind	
										Dundy, Hitchcock, Red Willow, Frontier, Gosper, Furnas, Phelps and Kearney Counties	19	9:30 p.	120			6	6		Hail	
										Miglia, Antelope County	20	3:00 a.				2			Lightning	
										Welig, Antelope County	20	3:00 a.				3			Lightning	

*MONTANA: See end of table for Montana data.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NEBRASKA (Cont'd.)									
Saline, Seward, Lancaster, and Saunders Counties	20	6:00 p.					4		Funnels, wind, tornado
									Funnel clouds aloft reported at Dorchester, Lincoln Air Force Base, and between Perisco and Wahoo, touched ground north of Wahoo and at Fremont with no damage. Tornado near Friend destroyed some buildings on two farms. Six sheep and two hogs killed.
Near North Bend and Morse Bluff, Dodge County	20	7:00 p.	5	narrow			4		Hail, tornado, rain
									Tornado moved southward from vicinity of North Bend to Morse Bluff touching ground only occasionally. Some damage to farm buildings. Heavy rain and hail began 6:00 p. and lasted more than an hour. Rainfall at North Bend measured 3-3/4 inches. Considerable hail damage to buildings and autos in North Bend. Heavy rain caused road washouts.
Southeast Jefferson County to east-central Gage County	20	7:00 p.	40	narrow			4		Tornado
									Funnel touched ground only occasionally from Steel City to Crab Orchard-Vesta area. Scattered damage to trees and buildings. Some fire damage in Beatrice resulted from wind coming a wire short and blowing a transformer.
Fremont, Dodge County	20	9:00 p.	1/4	100			4		Tornado
									Homes damaged, windows blown outward. 100' light tower wrecked.
Omaha, Douglas County	20	10:00 p.				3	5		Wind
									Scattered damage to homes, trees, power and telephone lines. Trailer house overturned. Damage to windows and roofs. Heavy damage to a bowling center and restaurant.
Near Scottia, Greeley County	20	evening					2		Lightning
									Two milk cows killed.
Decatur, Burt County	20	evening					4		Wind
									Fallen limbs, uprooted trees, power lines down. Farm buildings near Decatur damaged.
Near Richland, Colfax County	25	afternoon					2		Funnel aloft and wind
									Although funnel did not reach ground, there was some wind damage north of Richland.
Wmetsa, Chase County	25	afternoon					3		Wind
									Damage to grain elevator
7 miles south of Hustis, Frontier County	25	evening					3		Lightning
									Barn filled with hay was burned.
McCook-Red Willow area, Red Willow County	25	evening					3		Wind
									Damage to farm buildings.
Near Elm Creek, Buffalo County	25	9:10 p.	spot	spot			3		Tornado
									Damage to small buildings and windmill
Northwest Gosper County	25	10:00 p.					3	4	Hail
									Damage to small grain crops, and farm buildings.
Near Clearwater, Antelope County	25	night					3		Lightning
									6 cattle killed.
Swanton to Wilber, Saline County	26	after midnight	8	1-1/4			4		Hail
									Damage to small grain
Near Wynot, Cedar County	26	3:15 p.	3	narrow			2		Tornado
									Little property loss as storm did not pass over farmsteads or villages. One barn damaged. Over part of the path, there were two funnel clouds about 1-1/2 miles apart. One remained aloft.
3 miles north of Columbus, Platte County	26	4:20 p.							Funnel aloft
7 miles south of Wimer, Gering County	26	late afternoon		short narrow			2		Tornado
Hartington area, Cedar County	26	late afternoon					4		Hail
									Heavy damage to crops over a small area.
NEBRASKA (Cont'd.)									
Pence, Dixon County	26	late afternoon							Funnel aloft.
Sheridan County	26	night					4		Hail
									Heavy damage to alfalfa in scattered areas of south and central portions of the County.
Southwestern Keith County	28	afternoon					3	5	Hail
									Severe wheat damage. Hail ranged up to size of baseballs. Cars and tractors damaged.
Garden, Morrill, and Scottsbluff Counties	28	afternoon						5	Hail
									Extensive damage to crops
10 miles north of Scottsbluff, Scotts Bluff County	28	afternoon						2	Lightning
									Two horses killed.
3 1/2 miles west of Greeley, Greeley County	28	4:15 p.	spot	spot				3	Tornado
									Barn and small shed destroyed.
Near Cairo, Hall County	28	4:15 p.	short	narrow					Tornado
									Touched ground for a few minutes without damage.
6 miles east of Ravenna, Buffalo County	28	late afternoon	10	100				4	Tornado
									Two barns destroyed. Some damage to cemetery.
1/2 mile north of Wood River, Hall County	28	5:00 p.	short	narrow			3	3	Tornado
									Haystacks destroyed, fences and tractors damaged. Field of beets severely damaged.
5 miles northwest of Bennington, Douglas County	28	6:40 p.							Funnel aloft
									Funnel dipped to level of tree tops, moved southeastward.
Near Henderson to near York, York County	28	6:45 p.	15	narrow			3	3	Tornado and hail
									Tornado funnel touched ground only occasionally, moved north-eastward. Garage and trees damaged. Hail did some damage to crops.
Hamilton County	28	evening						5	Hail
									Damage to crops in many localities in the County with losses varying from 10% to as much as 50% in a few areas.
Near Newcastle, Dixon County	28	evening						4	Lightning
									Farm home destroyed by fire
Near Milford, Seward County	28	8:15 p.							Funnel aloft
Saline County	28	8:30 p.						3	Hail
									Damage to crops in parts of Wilber and Big Blue townships.
Wakarusa, Dixon County	29	5:00 a.						2	Lightning
									High school struck, minor damage.
Shenandoah and Deuel Counties	30	2:00 p.	20	" 3			3	5	Hail
									Storm started near Dalton and moved southeastward into Deuel County. Wheat and barley loss heavy.
Along Phelps-Harlan County line	30	afternoon						4	Hail
									Wheat damage up to 100% in some areas south of Holdrege. Storm covered a small area.
Gosper County	30	4:00 p.	15	" 2 1/2			4	5	Hail and wind
									Crop and property damage over about 30 square miles in east-central portion of county.
North of Grant to north of Elsie, Perkins County	30	late afternoon	16	" 2				5	Hail
									Almost complete loss of crops.
Near Arcadia, Valley County	30	5:45 p.	7	250			2	5	Tornado
									Storm moved from extreme southwest corner of County to two miles northeast of Arcadia, passed over northern part of town. Damage to school, town pump house, many small buildings, power and communication lines. Considerable damage to farm buildings. Two injured when trailer home was demolished.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 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			
NEBRASKA (Cont'd)											
Near Crofton, Knox County	30	5:00 p.	11	narrow	1	2	5		Tornado		
Twelve farms in area hit. One man killed when debris from nearby structures ripped through his trailer hose. Two injured when farm hose was destroyed. Many farm buildings demolished. Twenty-five small pigs killed, several hogs injured. Path extended from 5 miles west to 7 miles north-northeast of Crofton.											
5 miles northwest of Winnetoon, Knox County	30	6:00 p.	2	narrow			4		Tornado		
Heavy damage to buildings on two farms. Three cars wrecked. A few pigs and chickens killed.											
Near Deemer, Omaha County	30	7:30 p.			1				Lightning		
Man killed by lightning.											
Wakefield, Dixon County	30	8:00 p.		short narrow			3		Windstorm, possibly tornado		
Damage to farm buildings on southwest corner of town. Considerable damage to trees in town.											
NEW HAMPSHIRE											
Cheshire Co.	12	p.				0	0	4	0	Electrical	
Lightning damage to utility lines and equipment.											
NEW MEXICO											
Carlsbad area, Eddy County	7	Evening			2		4	3		Tornado, rain, and hail.	
A small tornado struck a farm about 5 miles south of Carlsbad doing considerable damage to outbuildings and uprooting trees. Scattered hail damage to cotton and alfalfa through out County. Two persons drowned when car was driven into flooding arroyo. Heavy rains eroded fields, covered cotton and damaged highways. Damage by hail 25% of total, tornado 10%, heavy rains 65%.											
Arch area, Roosevelt County	8	2:15 p.	4	400			4	1		Tornado	
Small tornado destroyed outbuildings and wind mill on farm and did minor damage in Arch. Many large trees uprooted.											
Santa Rosa area, Guadalupe County	8	11:00 a.					2			Tornado	
A small tornado demolished gate house at power dam and uprooted several large trees. Mostly over open country and no other damage noted.											
Santa Fe County, southern	9	Afternoon								Tornado	
Two small funnels were sighted touching ground over open country.											
Mayhill area, Otero County	14	P.M.					2	4		Hail	
Hail stones reported up to 1 inch in diameter. Windows broken and roofs damaged. Major damage to field crops and fruit.											
Santa Fe County, northeast	15	12:45 p.								Tornado	
A small tornado on ground about 10 minutes. Over open country and no damage reported.											
Bernalillo area, Sandoval County	23	4:58 p.	1	100			1			Tornado	
Over open country and only damage was destruction of large highway sign.											
NEW JERSEY											
Long Beach Township, Ocean County	1	Morning				1				Fog	
One person was killed in an auto accident in dense fog.											
Northern Half of State	7	Early Evening				1		4		Lightning	
One person was killed when struck by lightning while seeking shelter in a grove, at a golf club in Boonton. Numerous small fires started by lightning in Mercer, Morris, Union and Essex Counties.											
Eastern Atlantic County	29	Afternoon						2		Hail	
Heavy thunderstorms and hail in vicinity of Pomona.											
NEW YORK											
Central and Eastern New York	11-12	Afternoon to 11th to A.M. of 12th					0	0	5	Thunderstorms, wind and rain	
Severe thunderstorms, strong winds, heavy excessive rainfall. Numerous lightning-caused fires to dwellings and barns, blown-in store windows, downed power and communication lines.											
North-central area, Rochester to Watertown	19						0	0	5	Thunderstorms, rain and hail	
Severe thunderstorms, heavy rains, golf ball-size hailstones in Rochester area; greenhouses damaged, fruit trees stripped, flash flooding, barn burned after being struck by lightning.											
Central and South-eastern New York	21						0	0	4	Thunderstorms, wind and rain	
Severe thunderstorms with strong gusty and damaging winds, heavy localized rains. Damage to structures, roads blocked by downed trees and power and communication lines; some local flooding.											
Yonkers-Mt. Vernon, Westchester County	22						0	1	4	Thunderstorms, rain and wind	
Severe thunderstorms, heavy local rains, damaging winds. Falling trees knocked out power and communication lines.											
Moravia, Cayuga County	27						0	0	5	Rain, wind	
Heavy rain, high winds; power and communication lines knocked out by falling trees; two large silos downed.											
NORTH CAROLINA											
Bertie, Bladen, Martin, Pitt, Craven, Cartaret, Guilford, Surry, Wake & Yadkin Counties	3	2-9 p.m.						5	5	Wind, Hail, Rain	
A widespread outbreak of thunderstorms in the afternoon and evening caused a great deal of light to moderate wind damage to trees, houses and communication lines. A few low-cost dwellings and outbuildings were demolished by isolated violent gusts. Crops were damaged by scattered areas of hail, and by heavy rain and high winds.											
Onslow, Cumberland, Moore, Guilford, Surry, McDowell and Yadkin Counties	4	3-9 p.m.					0	1	4	4	Electrical, Wind, Hail
Widespread thunderstorms with several instances of lightning damage, including two dwellings and a number of outbuildings burned, one person injured and one cow killed. Hail damage to crops mostly in Yadkin County.											
Anson and Iredell Counties	9	1-4 p.m.							4	Electrical	
Lightning knocked out main water pump at Wadesboro, and burned a rural cotton ginning plant in Iredell County.											
Wake County	13	11 a.m.						2	3	Electrical, Wind	
Two persons struck by lightning on golf course. Outbuildings blown down in another part of county, time unknown.											
Pitt County	15	1:40 p.m.							3	Wind	
Large metal awning blown down on top of automobile.											
Haywood County	22	6-8 p.m.							3	Rain, Wind	
Trees, buildings blown down; washouts and erosion on 200 acres.											
Halifax County	24	Unknown							3	Electrical	
School building struck by lightning; chimney and roof damaged.											
Buncombe County	24	5-7 p.m.							4	Rain, wind, hail	
Unusually heavy storm in Asheville blew down trees, damaged roofs. Torrential rain with hail blocked storm sewers and caused flash flood with washouts and erosion.											
NORTH DAKOTA											
Brinsmade, Benson County	24	7:15 p. short							none	none	Tornado
Tornado touched down briefly into a plowed field 3 miles north of town.											

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OHIO									
Lima	10	5:30 pm	short	narrow	0	0	8	2	Hailstorm
									Hailstones of golf-ball size or larger fell briefly in Lima breaking 90 percent of glass in Karl Frey florist greenhouse. During this storm lightning set fire to a barn near Spencerville.
Akron	10	afternoon							Hailstorm
									Hailstones of 1-inch diameter reported to have fallen 15 miles northwest of Akron-Canton airport. No details available.
Cleveland	11	2 p.m.							Funnel cloud
									Funnel cloud aloft observed 5 miles SW of Cleveland
Graytown (Ottawa Co.)	11	afternoon	short	narrow	0	0	2	0	Tornado
									A small funnel dipped to the ground doing minor damage to small farm buildings, and picking cane and rowboat from surface and depositing it a short distance away.
Seville	11	afternoon	short	narrow	0	0	2	0	Tornado
									This small storm damaged over-pass construction work at an intersection with new route 224. Reinforcing steel twisted and lumber framing for concrete pillars splintered.
Ginghamsburg (Miami Co.)	22	afternoon	short	narrow	0	0	4	0	
									Principal damage in this storm included unroofing one house and major damage to several farm buildings. Rushing sounds, characteristic of tornado distinctly heard. At about the same time a small twister touched ground near Middletown, uprooting trees and damaging several houses. These storms occurred in connection with a squall line which crossed Ohio accompanied by numerous thunderstorms, locally heavy rains and hail. Local flooding was reported from Montpelier, Bucyrus and Toronto. Heavy tree damage was reported in a small area near Warsaw (Coshooton Co.)
Cuyahoga Co.	27	evening			1	0	4	0	Heavy rain
									Heavy rainfall, accompanied by lightning and some hail hit in southeastern suburbs and Cleveland and nearby areas during the evening. Most damage was caused by flooded basements in Valley View, Garfield Heights, Maple Heights, Bedford, and Chagrin Falls. An estimated 40 percent of basements were flooded in Chagrin Falls. One person was killed by lightning. During the same storm situation severe lightning and/or local flooding occurred at scattered places over northeastern Ohio, among them Massillon, North Canton and Cosaut.
Dayton	28	forenoon							Funnel aloft
									This funnel cloud was reported sighted 30 miles north of Dayton. It did not touch the ground.
OKLAHOMA									
Midwest City, Oklahoma County	2	3:30 p.	5	100			5		Wind
									Strong winds measured in gusts up to 90 miles per hour caused damage along a narrow path south of and across Tinker Air Force Base. One large and two small planes were nearly destroyed. Buildings and trees were also damaged. Storm moved north-northeastward.
Cushing, Payne County	2	4:30 p.					3		Tornado
									Barn was destroyed on a farm one mile north of Cushing when tornado dipped momentarily. Farmer saw funnel overhead just before it struck.
Stillwater, 10 miles NE, Payne County	2	4:50 p.	1/2	Narrow			3		Tornado
									A barn was destroyed on a farm 10 miles northeast of Stillwater by a suspected tornado. A loud roar was heard.
Maud, Seminole County	2	7:29 p.							Hail
									Civil Defense reported hail up to 2 1/2 inches in diameter at Maud. Additional information not obtainable.
Reydon, Roger Mills County	3	7:00 p.							Hail
									Hail up to the size of golf balls covered the ground over a large area of the southwestern part of the county. Wheat damage was estimated at 15%. Auto windows were broken and gardens damaged.
Leedey, Dewey County	3	7:30 p.							Tornado, hail
									Suspected tornado destroyed a barn 2 1/2 miles north of Leedey. Hail up to the size of golf balls accumulated up to 4 inches deep in places in Leedey and an area northeast. Over 1000 acres of wheat was destroyed and roofs in Leedey were heavily damaged.
Forgen, Beaver County	4	1:00 p.	4	1 1/2			3	4	Hail
									Hail up to 1 1/2 inches in diameter covered the ground in an area north of Forgen. Roofs were damaged and some wheat was 100% loss. The storm moved north-northeastward.
Stafford, Custer County	4	4:00 p.					4		Tornado
									Tornado tore a gaping hole in a school at Stafford.
OKLAHOMA (Cont'd.)									
Vici, Dewey County	4	4:30 p.	8	300			4		Tornado
									Tornado destroyed outbuildings on several farms from 6 miles south-east to 9 miles east of Vici. One home had the roof blown off.
Selling, Dewey County	4	5:00 p.	1/2	100			3		Tornado
									Two farmsteads were damaged southeast of Selling. Storm moved north-northeastward.
Helena, Alfalfa County	4	5:30 p.							Tornado
									Tornado caused heavy damage on two farms just southwest of Helena. Funnel was sighted on the ground but additional information was not obtainable.
Hitchcock, Blaine County	4	6:30 p.	8	2			4		Hail
									Hail up to one inch in diameter covered the ground in the area northeast of Hitchcock. Wheat losses ranged up to 100%. Some light property damage was reported. Storm moved north-northeastward.
Carter, Beckham County	4	7:30 p.	9	200			1	3	Tornado
									Tornado struck 1 1/2 miles southwest of Carter, moved through the south edge of the city to 8 miles northeast. Woman was injured by flying debris. Storm moved north-northeastward.
Blackwell, 3 miles west, Key County	4	9:15 p.	4	300			4		Tornado
									Outbuildings were destroyed or damaged on several farms. Trees were blown over and windows were popped out. Storm moved north-northeastward.
Sentinel, Washita County	4	10:00 p.					3		Tornado
									Outbuildings were destroyed on two farms south of Sentinel. Storm moved south-northeastward.
McComb, 3 miles NW, Pottawatomie County	5	2:00 p.			1	1			Electrical
									Father and son were setting out tomato plants when struck by lightning. The 17 year old youth was killed and the father was knocked unconscious.
Oklahoma City, Oklahoma County	8	11:00 p.	1/2	20			2		Tornado
									A small tornado struck a country club golf course. Concession stands were damaged and trees broken. Storm moved north-northeastward.
Bradley, Grady County	9	5:00 a.			1	1			Wind
									Strong winds blew cellar door shut on a woman apparently causing her to have a heart attack. Severe thunderstorms moved across Grady County.
Hominy, Osage County	9	3:35 p.	7						Tornado, rain, hail
									Tornado sighted by oil field workers moved through open country from 3 miles west to 6 miles north of Hominy. Heavy rain and small hail was associated with the storm.
Wynona, Osage County	9	4:00 p.							Tornado
									Tornado moved through open country west and north of Wynona.
Bartlesville, Washington County	9	4:45 p.							Funnel aloft, hail, rain
									Several persons reported sighting a funnel aloft just southwest of Bartlesville. A severe thunderstorm moved over the area. Quarter-inch hail was reported but unofficial reports indicated hail up to 2 inches in diameter. Only minor damage resulted. Storm moved east-northeastward.
Pryor, Mayes County	9	4:44 p.							Hail
									Hail the size of golf balls fell in the Pryor area. No further information was obtainable.
Strang, Mayes County to Grove, Delaware County	9	5:25 p.	30	880			3	5	Tornado, hail
									Tornado moved from northeast of Strang through three fishing camps near Dianey to near Dennis and lifted just west of Grove. Over 40 families had their farms or homes destroyed. Two persons were injured in a demolished farm home northeast of Strang and one was injured by flying debris at one of the fishing camps that was destroyed. Trees and utility lines blocked roads. Small amount of large hail fell in the area. Storm moved north-northeastward.
Chouteau, 4 miles east, Mayes County	9	5:28 p.							Tornado
									Highway Patrolman stayed in his patrol car which was stuck in a farmstead driveway while the tornado tore up a row of fence posts except those on each side of the car. No other damage was reported in the area.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA (Cont'd.)									
Collinsville, Tulsa County; Talala, Rogers County; Watova, Nowata County	9	5:40 p.	15	300			4		Tornado
									Tornado touched down 4 1/2 miles north of Collinsville, moved between Oologah and Talala and lifted into the clouds one mile east of Watova. New modern home and outbuildings were destroyed on a farm southeast of Watova. Mother and 2 children escaped death by taking refuge in the hall of the home. Storm moved east-northeast at beginning of its path and curved to the north-northeast at the end.
Talala, Rogers County; Nowata, Nowata County	9	6:00 p.	18	50			5		Tornado, hail
									Funnel aloft formed 5 miles north-northeast of Collinsville in Tulsa County, moved north-northeastward and touched ground 4 miles west of Talala where 8 barns and other outbuildings were destroyed. A flatbed semi-trailer truck was carried 300 yards and demolished. A big tile barn disintegrated. Three head of cattle were killed and four head of cattle and four horses were injured and had to be destroyed. Two to four miles north of Talala several more farms were destroyed and livestock killed. The storm continued north-northeastward 1/2 mile south of Watova to 3 miles southeast of Nowata. A bus was hurled into a ditch as passengers took refuge in a culvert. The tornado followed a railroad track several miles in Nowata County destroying utility lines. Hail up to 2 inches in diameter fell in the area.
Grove, 4 miles south-east, Delaware County	9	6:00 p.	3/4	880			4		Tornado
									Several farmsteads were destroyed along the path. Witnesses indicated the possibility of two funnels coming together before the tornado struck the ground. Farm machinery was scattered and animals were killed. Most people reached safety in storm cellars but several luckily escaped injury. Storm moved northeastward.
McAlester, Pittsburg County	9	6:00 p.							Tornado
									Tornado dipped down and damaged outbuildings and trees just south-west of McAlester. One house had side blown out in southwest part of the city.
Chelsea, Rogers County	9	6:00 p.							Funnel aloft
									Citizens watched funnel overhead for nearly 15 minutes.
Southern half Hughes County	9	6-8:00 p.	30	*15			3	4	Rain, tornado
									Heavy rains of up to 8 inches fell over most of southern Hughes County. The land was badly washed and peanuts, cotton and corn were washed out. A tornado damaged a 4-block area in Gerty. One home was destroyed and 5 damaged. Trees were blown down. The storm moved northeastward.
Stonewall, Pontotoc County	9	6:40 p.	8	880	7	12	5		Tornado, hail
									Tornado formed and first touched down just north of Harden City, moved one mile west of Stonewall and ended about 3 miles north of Stonewall. Several farmsteads were completely destroyed. The deaths occurred on 2 of the farms and the injuries on 3 farms and in a small cafe. The nine people in the small cafe west of Stonewall miraculously escaped death by taking refuge behind the counter. The cafe was completely destroyed. Six cars and a truck parked at the cafe were almost all a total loss. Cars, trucks and farm machinery at the farms hit were completely destroyed. Over 20 oil derricks in the oil field north of Harden City were destroyed. Many cattle were killed. Trees were stripped to stumps and the ground was swept clean. Two funnels aloft traveled with the tornado. One was believed to have joined the main tornado funnel over the cafe as a loud blast was noted there. Considerable hail the size of baseballs damaged roofs in the area. Storm moved northeastward.
Wewoka, Seminole County	9	8:00 p.					4		Funnel aloft, hail
									Funnel aloft was observed moving northeastward over Wewoka. Heavy rain and considerable small hail accompanied the storm in the Wewoka area. In the southern part of the county at Konawa, hail the size of golf balls caused considerable roof damage.
Lequire, Haskell County	9	p.m.					1		Electrical
									Lightning knocked a man unconscious while feeding livestock.
Vinita, Craig County	9	9:45 p.							Tornado
									Tornado touched ground 5 miles north of Vinita. No damage was reported.
Miami, 5 miles south-east, Ottawa County	9	10:25 p.							Funnel aloft
									Sheriff's deputies sighted two funnels aloft southeast of Miami within 20 minutes of each other. Funnel were moving northeastward.
McAlester, Pittsburg County	9	10:43 p.							Hail
									Hail up to 3/8 inch in diameter fell at 10:43 p. and 11:45 p. in the McAlester area. Damage evidently was minor as additional details were not obtainable.
Tulsa, Tulsa County	10	1:43 a.							Hail
									Hail up to 3/4 inch in diameter fell over much of southeast Tulsa. Large stones were few and spotty and only minor damage resulted.
OKLAHOMA (Cont'd.)									
Grandfield, Tillman County	10	12:31 p.							Funnel aloft
									Citizenry reported funnel aloft moving north. Also sighted from Cheftanoga in Comanche County.
Konawa, 5 miles south, Seminole County	10	3:00 p.	2	300			3		Tornado
									Damage was extensive on 2 farms including one house, 2 barns, a garage, utility lines, fences and trees. Storm moved northeastward.
Ashland, Pittsburg County	10	4:15 p.							Funnel aloft
									Unconfirmed report of a funnel aloft at Ashland moving northeastward.
Sallisaw, 1 mile north, Sequoyah County	10	6:10 p.	1 1/2	30			1	3	Tornado, hail
									Tornado caused heavy damage to 2 farmsteads. Injury resulted when person was picked up by the tornado and slammed to the ground. Storm moved northward. Hail up to 1 1/2 inches in diameter preceded the tornado by one hour.
Tulsa, Tulsa County	16	1:30 p.					1		Electrical
									Lightning struck men working in yard. Several other strikes caused minor damage over the city.
Oklahoma City, Oklahoma County	16	2:30 p.					1	1	Electrical
									Lightning struck a tree under which 5 golfers had taken refuge during a rain shower. One man was killed, one received burns and the other three were only shocked. Storm moved east-northeastward.
Grant County	17	6:30-8:30 p.	28	*8			5	5	Hail, wind, rain
									Hail up to the size of golf balls covered the ground in places over much of the western half of the county. The area of most destruction ranged from around Wakita to just west of Pond Creek. Hail fell for nearly an hour in places. Tornadoes occurring in this storm area are listed separately. Strong winds caused widespread property damage and up to 4 inches of rain was recorded. Winter wheat ranged up to a total loss.
Jefferson, Grant County	17	6:30 p.	6						Tornado
									Tornado moved from west to northeast of Jefferson. Several farms were extensively damaged. New barns, silos and other outbuildings were destroyed.
Braman, 8 miles west, Key County	17	6:55 p.	Short	Narrow					Tornado
									Tornado touched down in open country. Reported to have moved northward aloft into Kansas.
Wakita, Grant County	17	7:20 p.							Funnel aloft
									Sighted just northwest of Wakita.
Wakita, Grant County	17	8:30 p.	2	200			5		Tornado, funnel aloft, rain, hail
									Funnel hovered over the city for half an hour, merged with a second funnel and moved to the southwest on the ground. Most all buildings received wind, hail and rain damage. Steel beams for a new office building were a twisted heap.
Nowata, Nowata County	18	3:45 a.							Funnel aloft
									Civil Defense reported 3 funnels aloft in the area over a period of one-half hour. Storms moved northeastward.
Cordell, Washita County	19	6:35 p.							Funnel aloft, hail
									Funnel was observed in the air near Cordell. Hail mostly up to golf ball size but some to 2 1/2 inches in diameter fell in the area from Rocky in Washita County to Hobart and Gotebo in Kiowa County. Damage to grain ranged from none because hail was soft up to 25% loss.
Mountain Park, 11 miles east, Kiowa County	19	7:00 p.	20	880					Tornado
									Tornado moved northeastward through open country of eastern Kiowa and northwest Comanche Counties. Huge cloud of dust, sticks and grass made up the funnel.
Hobart, Kiowa County	19	7:00 p.							Funnel aloft
									Funnel was reported by FAA personnel 4 miles north of Hobart moving north.
Fort Sill, Comanche County	19	10:44 p.							Funnel aloft
									Observed by Fort Sill weather personnel just southwest of the station.
Hooker, Texas County	20	p.m.					3		Hail
									Some small hail and a few large stones fell in the area. A few cars and roofs were damaged.
Custer County	21	Late p.m.	15	*1 1/2			3	5	Hail, wind
									Severe hailstorm with stones larger than tennis eggs wiped out crops, damaged buildings, stripped trees and killed animals in the area of west-central to north-central portions of the county. Strong winds made the damaging effects of the hail much greater.

See reference notes at end of table.

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MAY 1959

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					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA (Cont'd.)									
Minco, 5 miles west, Grady County	22	2:20 a.	Short	Narrow			3		Tornado
			Funnel was reported to have dipped down and damaged a farmstead. A rider and a sucking sound was heard. Porch and part of the roof was blown off the house, chicken house was destroyed and trees were damaged. Storm moved northeastward.						
Bethany, Oklahoma County	22	2:53 a.	**500	100			3		Tornado
			Two homes and a church were damaged, several had shingles blown off. A couple narrowly escaped death when a slab of siding from one home rained through their bedroom wall breaking the headboard of the bed where they were sleeping. This is believed to be the same tornado that struck earlier west of Minco. Storm moved northeastward.						
Fort Sill, Comanche County	24	6:49 p.							Funnel aloft
			Funnel aloft just west of Fort Sill.						
Guymon, Texas County	25	4:00 p.							Hail
			Hail the size of golf balls fell over the City. Over 20 windows were broken in a school building. Storm moved northward.						
Roger Mills, Beckham, Custer, Washita, Caddo Counties	25-26	Late afternoon to mid-morning					5	5	Rain, hail, wind
			Heavy rain of 4 to 10 inches fell over a large portion of the five-county area. Cotton and feed crops were badly washed and needed replanting. Near-ripe wheat was damaged at scattered points by hail and/or rain. Strong winds caused damage to out-buildings in the area and an airport hangar was unroofed and several planes damaged at Sayre. A tornado struck Arapaho in Custer County (reported separately). Considerable flooding resulted along streams and rivers in the area.						
Oakwood, Dewey County	25	5:00 p.	30	*5				4	Hail, rain
			Hail storm destroyed crops in the area of the eastern part of the county. Heavy rain accompanied the storm. Storm moved northeastward.						
Berlin, one mile NW, Roger Mills County	25	8:30 p.	3	440					Tornado, hail, rain
			Outbuildings were destroyed on one farmstead. Trees were uprooted and utility lines downed. Hail dented the car after the garage was blown away. Storm moved northeastward.						
Arapaho, Custer County	25	11:05 p.	8	150				4	Tornado
			Tornado traveled from 6 miles southwest to 2 miles northeast of Arapaho. Extensive damage resulted to ten farmsteads and to the City of Arapaho. Storm moved northeastward.						
Oriente, Major County	26	p.m.							Funnels aloft
			Two funnels aloft were sighted, one west and the other northwest of Oriente.						
Stephens County	26	5:00 p.							Hail, rain, wind
			Hail the size of golf balls caused spotted light damage to near-ripe wheat in the southern half of Stephens County. Strong winds blew a house off its foundation north of Loco.						
Graham, Carter County	26	7:18 p.	3	60		8	4		Tornado
			Tornado dipped down over an oil company pump station one mile south of Clemasot where the station was damaged and two homes destroyed. Debris was scattered for 2 miles. Next hit was Graham where two homes were destroyed and a church was picked up, carried 200 feet and turned around and slammed to the ground badly damaged. Two injuries resulted in a destroyed home near Clemasot and a family of 6 were injured when their home was picked up and exploded in Graham. Storm moved east-northeastward.						
Waurika, 14 miles east, Jefferson County	26	8:10 p.	2	100				4	Tornado
			Two buildings were badly damaged and a church was destroyed as a tornado cut a path southeastward through the Claypool community. The tornado then changed course and moved east for about a mile, lifted momentarily and then changed course to north and hit the ground again crossing a highway where 15 feet of fence was cut out on each side of the highway.						
Hughes County	26	10:30 p.							Tornado
			Two motorists reported sighting tornado between Calvin and Stuart along highway 270. Evidently moved through open country as no other information was obtainable or reported.						
Oakwood, Dewey County	27	Afternoon	12	*2					Hail
			Small amount of hail up to the size of baseballs in the area near Oakwood. Damage was minor. Storm moved northeastward.						
Stroud, Lincoln County	31	11:30 p.	1	*1/2				4	Hail
			Hail up to 2 1/2 inches in diameter covered the ground. Damage reports were mostly from 1 1/2 and around Stroud.						
OREGON									
Medford-Jacksonville	2	Afternoon	2	880	0	0	1	4	Hail
			Hail between 1/8 and 1/4 inch in diameter damaged pears and apples to the extent considerable thinning will be required for damaged pears, apples expected to show significant amount of blight induced by hail.						
Medford-Talent	4	Afternoon	2-3	*1	0	0	1	4	Hail
			Relatively heavy hail 1/8 to 1/4 inch in diameter caused significant commercial damage to apples and pears.						
Medford-Jacksonville	25	Afternoon	4	1,320	0	0	1	4	Hail
			Fairly severe hail 1/8 to 1/4 inch in diameter caused commercial damage to pears and some other fruits; damage to lesser extent to field crops.						
PENNSYLVANIA									
South Central Counties	2-3	Night					3	5	Thunderstorms
			Numerous lightning strikes caused fires to houses, barns, and other buildings accounting for all property damage and injuries.						
Mifflin and Berks County areas	11	5-7 P.M.					1	4	Thunderstorm
			A girl near Lewisport suffered from shock when struck by lightning in her home. The roof of a frozen food locker plant and part of the cement block wall was blown in by strong winds that accompanied the storm. Trees were also damaged by the high winds. A barn in Berks County fired by lightning.						
Erie and vicinity	27	Afternoon						4	Thunderstorm
			A barn and several homes were fired by lightning causing considerable damage. One Black Angus bull also perished in the fire along with other contents in barn.						
Pittsburgh	28	4-5 P.M.			1	1	1		Thunderstorm
			One man was electrocuted when he apparently touched an electric wire downed by the storm. Another person was injured when hit on head by wind whipped piece of wood. Heavy rain washed mud and debris onto lawns and streets from surrounding hillsides.						
PUERTO RICO									
Northeastern Section	5	Afternoon			5	7	*6	C	Floods
			During the afternoon heavy rain in thundershowers fell on ground already saturated by rain during the previous few days and as a result the rivers in the northeastern section of the island quickly reached flood stage. Five deaths and seven injuries were reported as well as damage to private property, public and private roads and a lowering of the sucrose content of the sugar cane about to be harvested. Telephone, water and electric power facilities were interrupted and landslides blocked roads and caused one of the 5 deaths reported.						
RHODE ISLAND									
Central and Southern	22	Early PM						4	Electrical
			Lightning-caused fires heavily damaged garage and home at separate properties in North Kingstown, the latter fire spreading so rapidly as to endanger lives of several people. Small cabin destroyed by fire in West Kingston. Other buildings were struck by lightning in several central and southern towns but damage minor. Scattered power failures also reported.						
Rhode Island West Warwick, Kent County	30	6 PM					5	3	Wind
			Strong gust of wind during a thunderstorm knocked down a large tent at a horse show. Five persons were injured by falling canvas and supporting tent poles. Wind apparently localized as nearby WPAAS, Providence reported a peak gust for the date of only 16 mph.						
SOUTH CAROLINA									
Mullins, 2 miles east, Marion County	2	4:25 p.	2	900	0	0	0	1	Light hail, small
			Light ground coverage, size of small marbles.						
Greenville, Greenville County	4	7:00 p.			0	0	2	0	Heavy rain, lightning
			Some wind damage, some lightning damage. Telephones and power disrupted several areas.						
Aiken and vicinity, Aiken County	9	3:30 p.-7:30 p.			0	0	3	4	Heavy rain, lightning, some hail
			Cloudburst in area where no gages available. Some people estimated between 10 and 13 inches rain fell. Three to 4 inches at Aiken City.						
Aiken, Aiken County	24	Late afternoon			0	0	1	0	Lightning
			Electrical service interrupted. Some light fire damage.						
Glemson area, Oconee County	25	During day			0	0	2	0	Heavy rain
			Damage to residences from saturating rains.						
Upper Spartenburg County	25	Night			0	0	4	4	Heavy rain and flooding
			Very heavy rains causing washouts and flood. Six small bridges destroyed, many roads blocked and crops locally damaged.						

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
SOUTH DAKOTA Aloester, Union County	3	8:15 p.							Hail
									Hail reported as "larger than golf balls" damaged roofs and dented automobiles.
Flaxman, Moor-County	3	9:00 p.							Hail
									Stones 1 inch in diameter.
Tripp area, Hutchinson County	4	4:00 p.							Tornado
									Short Narrows
									An old church building, 4 miles east of Tripp, was moved one-half inch on its foundation, the chimney was torn off, and the interior damaged. Nearby tombstones were flattened. Elsewhere in the area, small farm buildings were damaged and trees uprooted.
Sioux Falls, Minnehaha County	4	Late afternoon			1				Lightning
									Death caused by lightning while on a golf course. At other places in the extreme eastern counties, fires were started.
Miller, 21 miles SE of, Hand County	25	11:20 p.					3		Tornado
									Cattle barn wrecked and other outbuildings damaged. May have been a strong thunderstorm gust. Strong straight-line winds reported 90 miles NW, earlier in the evening.
Montrose area, McCook County	26	2:00 p.							Hail
									"Walnut-sized" hail fell in an area about 7 miles north of Montrose, and eastward from that point for several miles. Windows were broken.
Yankton, 15 miles E, Yankton County	26	3:15 p.							Funnel clouds aloft
									A pair of funnel clouds were reported heading northeastward in open country. A little later, a strong straight-line wind carrying a wall of dust, moved through the Vermillion area. Trees were uprooted on farms west of the city.
Berks, Gregory County	27	8:45 p.					3 4		Tornado
									Short Narrows
									A cement block filling station at the southwest edge of town was unroofed and otherwise damaged. The injured persons were treated for shock and cuts from flying glass. The damage occurred as a wall of straight-line wind was causing damage in the surrounding area. A similar storm damaged the station in 1955.
Southern Tripp County, western Gregory County	27	Evening					4		Wind
									Several barns and a frame church were moved from their foundations. Many small farm buildings were wrecked. In some areas, hail fell but did little damage.
Eastern South Dakota	28	2:00-3:00 p.					4		Lightning, hail
									A cement block filling station in Hamlin County, and a barn with livestock in Miner County. In Bon Homme and Hutchinson Counties, 14 head of livestock were killed in separate strokes. Hail fell from Tripp (Hutchinson County) to Sioux Falls.
Garden City, 3 miles north, Clark County	28	2:00 a.							Wind, hail
									A barn was flattened with minor damage to other buildings. Damaging hail was reported at Willow Lake in the southern part of the county.
Yankton, 4 1/2 miles East, Yankton County	30	7:30 p.					4		Tornado
									Small buildings at a fireworks plant and farms were demolished. Most of the damage was along the James River where many large trees were downed. Heavy rains to the west preceded the storm which moved east-northeastward.
Clay and Lincoln Counties	30	Evening	36				4		Wind
									Wind damage, mostly of a minor nature, was reported from the vicinity of Wakonda to Hanson. These winds, apparently straight-line, seemed to have been produced by the same thunderstorms which lead to the tornado near Yankton.
TENNESSEE Fairview, Pentress County	6	Afternoon					1		Lightning
									A 7-year old boy was struck by lightning and killed while standing in an open field.
Memphis, Shelby County	22	3:15 p.					1		Wind
									Heavy winds blew over a temporary structure which damaged 4-5 parked vehicles. A workman suffered a gashed leg and several bruises from flying debris.
Tennemo Community, Dyer County	27	11:30 a.					1		Lightning
									A 15-year old boy was seriously injured by lightning while driving a tractor
Knoxville, Knox County	27	Afternoon							Rain
									A flash flood caused thousands of dollars damage to highways and constructions in portions of the city.
Memphis, Shelby County	27	8 p. approx.							Rain
									Downpour from a thunderstorm flooded many streets and caused evacuation of several homes.
TEXAS 10 S Comfort, Kendall Co.	1	night					0 0		Tornado
									Skipped from point to point, destroyed barn, damaged another and fencing, trees, telephone lines.
4 N Odessa, Bexar Co.	1	10:17 pm							Funnel
									Did not touch ground.
Sabinal, Bvalde Co.	1	11:30-11:45 pm	5	30			0 0		Tornado
									Traveled NE; outbuildings overturned, roofs, chimneys, TV antennas & trees damaged. High winds broke some windows.
Bandera area, Bandera Co.	1	btwn 10pm & 2 3 am	20	*1/4			0 0 4		Tornado & Wind
									Two light planes overturned and damaged; outbuildings, barns and windmill destroyed, fences & trees down.
Somerset & area, Bexar Co.	2	3:15 - 4:00 am	4	1000			0 0 5		Tornado
									Touched down about 3-1/2 miles south of town, rose, came down again in center of town. Traveled NE, damage scattered, mostly to roofs of older and lightly constructed buildings. Many trees broken and twisted off. Tornado damage to property \$75,000; rain damage \$20,000. Nearly completed new house destroyed; southouse damaged.
N of Hallettsville, Braslau & Wied area, Lavaca Co.	2	8-9 am	8				0 0 4 4		Hail
									Many corn & feed crops ruined by hail. Tail end of storm mainly hitting area of Somerset, San Antonio & Karnes Co. Rain 3 to 4 inches north of Hallettsville, nearly none south of there. Almost dark as night at 8 a.m. Storm moved toward SE.
Montgomery Co. near Comroe (35 N Houston)	2	10:55 am							Funnel
									Pilot report, moving SE.
Palestine and area, Anderson Co.	2	6-8 pm		25			1 0 4		Rain, Wind
									Traveled toward SW. Car washed from bridge 5 W Palestine, child drowned. 6.3" rain fell within 2 hours sending water 10 feet deep into low sections of city. Heavy damage to city streets. Wind blew down garage, outbuilding, tree and large fence.
Wheeler Co., area of Wheeler	3	3-3:30 pm	4	* 2			0 0 5 4		Hail
									Beginning about 5 miles SW Wheeler, ending 3 miles N of city. Largest stones 1" diameter, ground covered 100%.
Memphis, Hall Co.	4	5:30-6:30 pm	12	* 4			0 0 *5		C Wind
									Two earloads wheat in fields destroyed, much roof damage, few outbuildings blown down.
16 W Dalhart, Dallan Co.	5	10:40-10:50 am					0 0 0 0		Funnels
									Two funnels aloft, traveled NE during rain, some hail. Wind NW 20 knots, gusts to 30 knots. Did not touch ground.
Taylor Co., 8 to 10 mi S Abilene	5	5 am							Funnel
10 NE Victoria at Telfener, Victoria County	6	11:55 am							Funnel
									Moved N.
10 NW Pecos, Reeves Co.	7	4:30 pm	1				0 0 0 0		Tornado
									Struck in field, moved about 1 mi northward, then seemed to move southward slowly before dissipating.
5 W Pecos and 8 NE Pecos, Reeves Co.	7	btwn 5 & 6 pm					0 0 0 0		Tornado
									Touched ground briefly, no damage found.
10 NW Fort Stockton at Pecos Co. Airport	7	9:15 pm					0 0 0 0		Tornado
									Observed on ground for some time, up and down again, moved E.
Fritch, Hutchinson County	8	4:00 pm					0 1 3		Tornado
									Service garage damaged, mechanic slightly injured. Tornado dissipated after hitting the garage. Porch 2 blocks away ripped off.
N Baird, Callahan Co.	8	9:41 pm							Funnel
Nr Holiday, Archer Co. (15 SW Wichita Falls)	8						0 0 0 0		Tornado
									Touched ground three times, no damage.
Fort Worth, Tarrant County	9	0:10 AM							Funnel
									Sighted from Beacham Field.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 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	INURED	PROPERTY	CROPS							KILLED	INURED	PROPERTY	CROPS				
TEXAS (Cont'd.)										TEXAS (Cont'd.)												
Wichita Falls, Wichita Co.	9	10:10-10:10 pm			0	0	5		Hail	Taylor & area, Williamson Co.	10	9:30-9:40 pm					6	0	Hail			
									Fall over residential section of city for long time, many insurance claims.										To size of hen eggs pounded ears, neon signs, roofs of homes & business buildings; young potato crops lost throughout the area; melons will have to be replanted. Hail was so heavy it covered streets, lawns and fields within a few minutes.			
2 E Abilene, Taylor County	10	3 pm	3/4	100	0	0	3		Tornado	1 S Lorena, McLennan County	10								Funnel			
									Moved toward ESE, damaged barns, sheds & fences at two points, Potosi and Eldorado.										Did not touch ground, moved NE			
Britton, Ellis Co.	10	3:03 pm							Funnel	Navarro Co., south of Corsicana	10								Tornado			
Nr Brownwood, Brown Co.; Quanah, Hardeman Co.; & New Braunfels, Comal Co.	10	3:10 pm approx.							Funnels										Hit on two farms, house damaged, 2 barns destroyed.			
									Did not touch ground.	5 NE Bastrop, Bastrop Co.	10								Funnel			
8 & 11 SE Abilene, Taylor Co.	10	3:15 pm	5	150	0	0	4		Tornado										Did not touch ground.			
									Traveling NE, destroyed chicken house, barn, stock trailer & feeder bins, tore roofing from house, damaged other outbuildings. On ground moving NE cutting swath through pasture. Near Bula.	Nr Angleton, Brazoria Co.	11	3:08 pm									Funnel	
Austin, Travis Co.	10	3:20 pm	10	200	0	0	5		Tornado										Did not touch ground.			
									moved N, swerved E then back W, touched ground several times. Two commercial buildings demolished, damage to 8 or 10 houses and barns. Peak gust 50 mph at 3:20 pm, when barograph located 500' from original damage dipped sharply from 29.80 to 29.62. One metal shack carried about 200 yards. Dipped down at Round Rock, damaged tavern.	25 W Andrews, Andrews Co.	15	1:15 am		0	0	0						Tornado
10 SE San Antonio, Bexar Co.	10	3:34 pm							Funnel										Touched ground for a minute, lifted, open country.			
South Bend, Young Co.	10	3:50 pm			0	0			Tornado	35 SW Electra, Wichita Co.	15	7:40-7:45 pm	3/4	100	0	0	0			Tornado		
									Described by observer as small twister.										Pasture land.			
Elmendorf, Bexar Co.	10	4 pm			0	0	3		Tornado	Houston, Harris Co.	16	2:48 pm								Funnel		
									Minor damage through north part of town, one home badly damaged.										Public reports.			
4 W Callihan, McMullen Co.	10	4:30-5:15 pm	12	150 to 450	0	0	4		Tornado	Fritch, Hutchinson Co.	17	4:09-4:10 pm	100 feet	100 feet	0	1	3			Tornado		
									Two funnels, both reached ground; moved SE 2 houses & fencing damaged, power lines down, livestock & wildlife killed. Tornado at Clegg and hall at Alice part of same squall line.										From SW to NE, damaged repair garage.			
10 NW Cisco, Eastland Co.	10	5 pm	300	75	0	0	3		Tornado	Vernon area, Wilbarger Co.	19	5:30-6:00 pm	10	21	0	0				Hail		
									Several outbuildings demolished, garage and house damaged, trees uprooted.										From S & W sections of Vernon to about 7 NE, average diameter 1"; largest 3-1/2". Accompanying rain to 2.80". Wind relatively calm, few of the large stones. Minor damage to house roofs and windows, some broken windshields. Some damage to wheat crops.			
Burleson Co., Christman, Hix & Blackhawk areas.	10	5:15 pm-5:55 pm	25		0	0			Tornado	Garriso Springs and whole of Dimitt Co.	19	5:30 pm to 1 am			0	0				Hail, wind		
									Trees, houses, garages, windmills, TV antennas, barns damaged. Accompanying heavy rain of short duration. Roofs & windows dngd.										Average stones golfball size, about 1/3 of ground covered. Wind from S changed to NW. Melon crops & vegetables damaged, no est.			
Live Oak Co., approx. 1 1/2 mi S George West, at Clegg	10	6:20 to 6:30 pm	4-1/2	250	0	0	4	4	Tornado	Abilene, Taylor Co.	20	2:30-3:30 pm					4			Wind		
									Two separate funnels struck within 10 min. of each other. One straight path, other crossed highway, made U turn and crossed again. Picked up central strip of asphalt topping, leaving 2-ft. strip each side, distance of 330 feet. Damaged house trailer, barn, cement water tank, well, power poles, fencing, trees, trucks & ranching equipment.											Two masonry walls of building under construction blown down. Some roof damage. Wind speed at 3 pm at Weather Bureau 58 mph.		
1 S Lorena, McLennan County	10	6:20 pm							Funnel	2-1/2 N Bula, Taylor Co.	20	abt 5 pm	short narrow	0	0	2				Tornado		
									Did not touch ground, moved NE										Moving N, ripped top off 20 x 100' pig shed.			
15 WSW Stephenville, Erath Co.	10	6:20 pm							Funnel	Atascosa, Bexar Co. and San Antonio	20	11:24 pm			0	0	4			Electrical		
									Did not touch ground										Lightning struck 2 homes, caused fires.			
15 WSW Cleburne, Johnson Co.	10	6:20 pm							Funnel	Galveston, Galveston Co.; Bay City, Matagorda Co.	21	6 am			0	0	5			Wind		
									Did not touch ground										Peak gust SW 87 mph at 5:46 am; fastest mile W 66 at 5:58 am. Winds just before the 87 mph gust were 10 to 12 mph. After peak gust winds veered to W and NW. Huge billboard built to withstand winds of 175 to 200 mph was toppled; some damage to roofs, plate glass windows, signs, TV antennas. West side of building on pier blown in; light plane turned end-over-end and demolished, four stories of scaffolding blown down from public building, phone lines, trees and shrubs blown down, small boat sunk.			
7 S Hearne, Robertson Co.	10	7 pm			0	6			Tornado	Fort Bolivar, Galveston Co.	21	6 am			0	0	4			Tornado		
									Several houses & barns badly damaged.										Three houses and barn and several sheds demolished, trees uprooted, debris and trees strewn in semi-circular pattern in area 200-300 feet in diameter. No funnels were observed.			
Alice & Orange Grove, Jim Wells Co.	10	7:30-8:30 pm	1		0	0	3	5	Hail	Gastro County, Bethel-Dimitt area	21	4-6:15 pm	30	3	0	0		6		Hail		
									Average size of stones 2" diameter, largest stones 3" diameter. Damage to plate glass windows, cars, trees & shrubs, drive-in theater; golf greens pitted to depth of 2". Heavy crop damage.										From SW to NE across central part of county, some damage to roofs, amount unknown. Damage to crops was spotted; cloud seemed to shift back & forth causing 100% damage to crops in one area and much less damage nearby. Part of the area had hail to a depth of 2 to 3 inches. Average size 1/2", largest stone diameter 2". A few sheep were killed.			
NW Gregg Co. Airport	10	8:04-8:20 pm							Funnel										Did not touch ground - pilot report.			

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					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (Cont'd)									
Castro Co., Dismitt area	21	btwn 4 & 6:15 pm			0	0	0		Funnel
		Did not touch ground.							
5 E Southland, Garza Co.	22	7-7:10 am	2	50-100	0	0			Tornado
		Damage to pasture fences. Moved SW to NE.							
10 SW Electra, Wichita Co.	22	morning							Funnel
		Moved NE							
3 or 4 N Edna, Jackson Co.	23	3:38 am			0	0			Tornado
		Touched ground, no injuries, no damage.							
10 N Galveston, Galveston Co.	23	5:10 am							Funnel
		Did not touch ground.							
Ston Houston and Webster, Harris Co.	23	3:05 pm							Funnel
		Did not touch ground.							
Tyler County	23	abt 4:30 pm			2	1			Electrical
		Lightning killed 2 men and injured 1 at a fishing camp during thunderstorm.							
20 S Falfurrias, Brooks Co.	23	5:10 pm							Funnel
		Did not touch ground, moved W.							
Kleburg-Jim Wells Co., 12 NW Kingsville NAS	24	12:20-12:29 M			0	0	0	0	Tornado
		Touched ground briefly in open country, dissipated at 12:29 M.							
7 N Mercedes, Hidalgo Co.	25	1:20 pm			1	0			Electrical
		Man struck & killed by lightning while standing on levee.							
Armstrong Co., Glaude area	25	2-4:30 pm	30	*15	0	0	5	5	Hail
		About 2 mi wide in worst part. From SSW to NNE. During thunderstorm with much lightning and thunder. Average diameter 3/4"; largest stones 4 to 5", diameter.							
Webb Co., 1-1/2 NE Cactus	25	4:36 pm							Funnel
		Did not touch ground.							
Stanton area, Martin Co.	25	btwn 4:45 pm & 6:30 pm							Hail
		Cotton severely damaged. Roofs and trees damaged in city. Some stones 2-3/4" dia. Replanting of crops required in several sectors.							
5 N Stanton, Martin Co.	25	6:19 pm			0	0	0		Funnel
		Did not touch ground. Some funnel sighted near Big Spring.							
Mr Shamrock at Heald Comm., Wheeler Co.	25	chuk			0	0			Tornado
		Destroyed church, vacant store and damaged 2 homes. Accompanying heavy rains.							
5-6 mi N Stanton, Martin Co.	25	7:26 pm							Funnel
		Did not touch ground.							
Ector Co., S of Odessa	25	7:26 pm							Funnel
		Did not touch ground.							
Armstrong Co., Palo Duro Canyon	25	10:30 pm	*600	5	0	0	0	0	Tornado
		Moving SW to NE, on ground very short time, no damage.							
Wink, Winkler Co.	28	6-6:30 pm			0	0	4	minor	Hail
		From SW to NW HAIL fell over approx. 5 sq mi area; average diameter of stones 1/4" to 1", diameter of largest stone 2-1/2". Cars dented, rotor blades on heavy Marine helicopter ruined.							
Haskell Co., north part	31	4:30-5:30 pm	30	440-1760	0	0	3	4	Wind, hail
		From WSW to ENE; maize badly damaged, cotton & wheat damaged, some damage to small fruit and corn. Hail stones small but ground covered to depth of 2" to 3".							
UTAH									
Logan, Cache County	13	Late Evening						4	Rain
		Heavy rain caused local flooding of lawns, driveways and basements							
Penrose, Box Elder County	25	Afternoon						4	Hail
		20-minute storm caused 50% damage to about 1,000 acres of crops.							
VERMONT									
Bemington	29	4:05 p.			0	0	0		Hail
		Hail storm with stones to 1/2 inch diameter caused undetermined damage to apple crop.							
Franklin County	30	a.			0	0	4	0	Wind
		Wind damage to utility lines. Many limbs and twigs blown from trees.							
VIRGINIA									
Patrick County, (southern portion)	4	Afternoon							Hail and electrical.
		Hail damaged roofs of several houses and cut gardens to pieces, remaining in drifts until following day. Several head of live-stock killed by lightning and one residence badly damaged.							
Hanover County, (near Hanover Court House)	7	Late afternoon							Tornado
		Small tornado lifted 4-stall machine shop about 25 feet into air and dropped it upside down a short distance away. Machinery was left undamaged. Narrow path of damage from Cabin Hill Farm to Pamunkey River. Nearby barn and contents struck by lightning and burned; contents valued at \$700.00.							
Chesterfield County, (4 miles west of Matocca)	23	Late afternoon						7	Tornadoic Winds
		Tornado-like winds destroyed 66x24 foot parking house and un-roofed machine shop. Two residences damaged and many trees uprooted.							
WASHINGTON									
Chelan and Douglas Counties	27	Afternoon			0	0		4	Hail
		Hail associated with scattered thunderstorm activity, resulted in some damage to a few orchards near Cashmere and to a few fields of small grain in Douglas County.							
WISCONSIN									
10 NE Eau Claire, Eau Claire County	4	9:12 a.	1						Tornado
35 NNE Eau Claire, Chippewa and Rusk Counties	4	10:05 a.							Funnel
Between Marshfield and Waunau	4	10:30 a.	1	200			2	1	Tornado
Deerbrook, Langlade County	4	11:45 a.	1	100			1		Tornado
1 N Black River Falls, Jackson County	4	1:00 p.	1	150			4	1	Tornado
12 W Cashton, LaCrosse and Vernon Counties	4	3:00 p.					3	1	Hail
Sturgeon Bay, Door County	4	4:00 p.					4		Thunderstorm
		Losses due to lightning.							
Waupaca-Manawa, Waupaca County	5	12:30 p.					3		Funnel
		With hail, high winds, and heavy rain.							
Monrovi, Buffalo County	5	7:00 p.	1	150					Tornado
4 W Eau Claire, Eau Claire County	5	7:25 p.							Funnel
Spring Valley, Pierce County	5	7:40 p.							Funnel
Rusk County	5	7:30 p.							Funnel
Chippewa Falls, Chippewa County	5	7:45 p.							Funnel
Chippewa Falls, Chippewa County	5	8:04 p.							Funnel

See reference notes at end of table.

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MAY 1959

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS		
WISCONSIN (Cont'd.)										WYOMING										
6 NE Eau Claire, Chippewa County	5	8:09 p.							Funnel	East of Greybull	1	Afternoon							Funnel aloft	
Synco to near Clintonville, Waupaca County	6	3:20 a.	10	1000			5		Tornado	West-northwest Gillette	27	11:25 a.	10	Narrow		0	4	C	Tornado	
3 NE Schioston, Outagamie County	6	1:30 p.	3	200			4		Tornado	Tornado formed south-southwest of Gillette and moved north-northeast. It crossed two ranches and the airport. Most of the damage occurred at the airport.										
Grantsburg, Burnett County	10	4:32 p.					1		Hail	Southwest Big Horn Basin	27	Night	20				3		Snow	
Jackson, Juneau, and Monroe Counties	10	4:45 p.					3		Hail	Heavy wet snow caused considerable damage to phone lines.										
1-1/2 inch hailstones covered ground in Black River Valley.										Douglas Airport	29								1	Hail 1/2" to 1"
Vernon, Crawford, Richland, and Sauk Counties	10	6:00 p.					3		Hail	Casper Airport	29	Afternoon						1	Hail to 1"	
2-inch hailstones at Hillsboro.										MONTANA										
Portage, Columbia County	10	7:20 p.	2	200			3		Tornado	Plevna, Fallon County	24	9:45 a.m.			1	1	0	0	Thunderstorm	
Moved northeast.										A young man killed while fishing 1-1/2 miles west of Plevna.										
Green Bay, Brown County	10	8:50 p.	6	600	3	6			Tornado	East Helena, Lewis and Clark County	26	1:00 p.m.			0	1	1	0	Thunderstorm	
Douglas, Bayfield, and Ashland Counties	12	10:00 a.					4		Wind	Lightning struck a barn and injured a man who was at work.										
Northern Vernon County	19	5:00 p.					4		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.										
Suamico, Brown County	19	5:00 p.					3		Lightning											
5 W Lancaster, Grant County	19	5:20 p.	5	200			4		Tornado	States and territories not listed in these tables reported no storms or unusual weather phenomena during the month.										
Moved northeast—funnel later sighted near Mount Horeb, Dane County.										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. SUBSCRIPTION PRICE: 15 cents per copy; yearly subscription \$1.50 domestic, \$2.00 foreign. Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to "Superintendent of Documents, Government Printing Office, Washington 25, D. C."										
S Trempealeau and SW Jackson Counties	20	1:00 a.					4		Wind											
N Vernon County	20	1:30 a.					3		Hail											
6 S Eau Claire, Eau Claire County	26	3:00 p.					3		Wind											
Trempealeau-Fairchild, Trempealeau, Jackson, and Eau Claire Counties	26	3:45 p.			3	5			Tornado											
Ladysmith, Rusk County	26	3:45 p.					4		Tornado											
Prairie du Sac, Sauk County	28	2:02 p.					3		Tornado											
5 N Ripon, Fond du Lac County	28	3:05 p.							Tornado											
A few small tornadoes and funnels reported. Several small tornadoes touched ground.																				
N Oakleaf, Winnebago County	28	3:15 p.					3		Tornado											
7 S Green Bay, Brown County	28	3:30 p.					3		Tornado											
15 S Green Bay, Brown County	28	3:38 p.							Tornado											
Arlington, Dane County	28	3:45 p.							Funnel											
Green Bay, Brown County	28	3:52 p.							Funnel											
Lancaster, Grant County	29	6:45 p.							Funnel											

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