

U. S. DEPARTMENT OF COMMERCE
FREDERICK H. MUELLER, Secretary
WEATHER BUREAU
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STORM DATA

MAY 1960

Volume 2 No. 5



ASHEVILLE: 1960

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1960

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
ALABAMA Mobile County, Satsuma, Chuncula	5	7:00 a.	10	—	0	1	5	3	Wind, Tornado	Storm moved from northwest to southeast, first striking about 2 miles north of Chuncula blowing down trees and damaging several farm buildings, then moving into northern edge of Satsuma where hundreds of trees were blown down and numerous houses had minor damage. Winds were estimated to be over 75 mph. Tornado apparently formed and struck ground briefly on northern edge of Satsuma. Storm moved on into Baldwin County with minor wind damage at Stapleton.
Tuscaloosa County, Fosters	7						4		Electrical	Lightning caused fire which destroyed ante-bellum home.
Mobile County, St. Elmo	7	12:55 a.	*200	100	0	0	4		Tornado	Tornado touched ground briefly moving from south southwest toward north northeast. Demolished one frame house and several out-buildings. Numerous trees mangled. Four persons in house at time were not injured.
Mobile County, Hollingers Island	7	1:37 a.	1/2	100	0	0	5		Tornado	Storm moving from southwest to northeast almost completely destroyed one general store, two service stations, skating rink and lodge hall. Major damage occurred to church.
Jackson County, Scottsboro	26	1:00 p.	1/2	—	0	0	3		Tornado	Tornado on ground for short distance in rural area. Demolished a barn and pine trees snapped off.
Morgan County, Falkville	26	3:50 p.					2		Funnel cloud, wind, hail	Funnel cloud aloft observed by several persons. Slight damage reported from wind and small hail.
Colbert County, Fuscle Shoals	27	1:00 a.			0	0	2	0	Hail	Hailstones up to 3/4" in diameter fell for a few moments. Damage negligible.
Jefferson County, Birmingham	28	6:30 p. 6:52 p.							Funnel clouds	Funnel clouds aloft reported 10 miles south and 7 miles east of the airport during heavy thunderstorm activity.
ALASKA Fairbanks Area	3	During day			0	0	4	0	Flood	The unusually rapid thawing, which extended from April 30 into early May, produced one of the most rapid break-up periods on record. Flooding was due to rapid snow melt combined with ice gorge conditions in the lower channel. Flood waters affected a number of electric heaters and water pumps (about 10 of each) which required removing from service and drying the electrical components in baking ovens. In addition to equipment damage of this nature structural damage was realized to 4 homes. The flood waters affected 13 families residing along the Chena River (commonly called the Chena Slough because of the relatively flat channel and normally slow rate of flow in the lower channel area). About five square blocks in the outskirts of Fairbanks were involved in the damaged area.
Gulf of Alaska Coast from Prince of Wales Island to Montague Isl.	23+	--	--	--	0	0	3	0	Tidal Wave (seismic origin)	Sea waves from the Chilean earthquakes began affecting the Alaskan Panhandle on the morning of May 23 and diminishing tidal effects were noted at some U. S. Coast & Geodetic observation points for almost a week after that date. Local damages from the wave action were realized over a considerable distance of Gulf coastline, but damages were relatively minor for individual localities. Tidal action during the period was quite erratic and current surges unpredictable at many reporting points along the coast. Turbulent water conditions made it impracticable to carry on fishing operations at some points. At Point Protection (NW point of Prince of Wales Island) tide cycling about every 90 minutes caused extremely turbulent waters off shore and breakers reached heights of over four feet. Local residents described the sea conditions as the most turbulent ever observed in that area. Cape St. Elias was evacuated in anticipation of violent wave action. On the morning of May 23 tide cycling here occurred also at about 30-minute intervals. At Montague Island rather violent wave action was reported -- probably higher than any previously observed. Crests apparently reached heights between 5 and 10 feet. Reports of a 20-foot tidal wave could not be confirmed. Most of the damages, apparently, were suffered by small dock structures and small boats. Two tidal waves were reported striking the coast in the vicinity of Yakutat on May 23. The first of the two waves was estimated to be 1 1/2 feet high; the second wave was slightly smaller. Fortunately both waves reached the coast at low tide and no damage occurred. Most of the damages, apparently, were suffered by small dock structures and small boats.
ARKANSAS Rommel Community, Jackson County	4	9:00 PM	1	440	0	0	4		Tornado	Tornado moving from the southwest to northeast struck the Rommel Community 8 miles southeast of Newport in Jackson County. Cotton gin, store building and house damaged; an equipment shed destroyed. There was some hail but no damage was reported.
Hot Springs, Garland County	5	1:50 AM			0	0	4		Wind	Wind damaged 5 airplanes and scaffolding on new control tower at the Airport. Several large trees destroyed at golf course.
Friendship Community, Faulkner County	5	4:00 AM to 4:15 AM	5/4	440	0	0	4		Tornado	The tornado moved from the southwest to the northeast. One house and a barn destroyed, and a horse and barn damaged.
West Memphis, Crittenden County	5	4:50 AM to 5:00 AM	1	440		1			Wind	Plate glass windows broken, power and telephone service disrupted.
Walnut Ridge, Lawrence County	5	Early morning					4		Electrical	Hanger being used as a warehouse at the Walnut Ridge Air Force Base destroyed by fire resulting from lightning.
Blackburn to Elkins in Washington County	5	8:00 PM to 8:30 PM	15			1	5		Tornado, rain	Tornado skipped across Washington County from Blackburn to Elkins. Six houses and 5 stores destroyed at Blackburn. Flash floods caused extensive damage to roads and small bridges.
Whitmer to Alaban in Madison County	5	10:45 PM	15	150		1	4		Tornado, rain	Tornado skipped across Madison County touching ground repeatedly for from 1 to 3 miles. There was extensive damage to farm homes and outbuildings. County roads suffered heavy damage from excessive rains.
Piney, Flat Rock and communities in Johnson County	5	10:40 PM to 10:50 PM	2	100		2	4		Tornado, Electrical	Three homes destroyed. Boilers, estimated at a value of \$10,000 were killed.
Texarkana, Miller County	5	1:00 AM to 2:00 AM					4		Wind	Damage to roofs and other minor structural damage to houses; power lines down and shade trees uprooted.
Prescott, Nevada County	5	2:15 AM	2	300		2	5		Tornado	The tornado moved from west to east. A cotton gin, 5 houses and a garage destroyed; 50 houses, several garages and several out-buildings damaged. Many shade trees uprooted.
Conway and Faulkner Counties	5	1:00 AM to 1:50 AM	28	300	1	50	5		Tornado	The tornado path extended from the Portland Bottoms and Manifee Area in Conway County northeastward to Enders in Faulkner County. Damage was reported at Manifee in Conway County and Wooster, Guy and Enders in Faulkner County. The principal damage was at Manifee where a large school plant comprising 7 buildings, and a total of 51 houses, 2 churches and the Post Office and 22 other buildings were destroyed. Property damage is estimated at \$500,000. One person was killed and 24 injured. Greenbrier also sustained extensive property damage, estimated at \$100,000. Six persons were injured. There was scattered property damage along the remainder of the path.
Formosa, Van Buren County	5	1:30 AM	7 1/2	300		4	3		Tornado, rain	Property damage estimated at \$8,000, of which \$1,000 was due to the tornado and \$1,000 to rain. Heavy rain caused crop damage estimated at \$1,000.
Pulaski County	5	1:55 AM	3	500			4		Tornado	The tornado path extended along, from Southwest to northeast, the Rodney Park Road at the west edge of the City of Little Rock. Several homes were damaged and many shade trees uprooted.
Pulaski County	5	2:00 AM	12	200			4		Tornado	The path of the tornado extended northeastward from the Fraser Pike-Collage Station Area, 5 miles to the southeast of Little Rock. Principal damage was at College Station where several homes were damaged.

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ARKANSAS, Cont'd.									
White County	6	2:00 PM to 2:20 PM	20	500	3	6			Tornado
			The path of the tornado extended northeastward from Antioch through Searcy. The principal damage was in Searcy, where the business district was hard hit. There was extensive damage to roofs and windows throughout the city. Telephones and power lines were blown down and many shade trees uprooted. There was scattered damage to farm buildings in rural areas along the path.						
Cleveland and Lincoln Counties	6	3:15 AM to 3:55 AM	17				4		Tornado
			The path of the tornado extended east-northeastward from north of Kingsland in Cleveland County to Glendale in Lincoln. Principal damage was in the Woodson Community of Cleveland County, where one home was destroyed. At Glendale the High School was severely damaged. There was scattered damage to roofs and out-buildings along the entire path of the storm.						
West Memphis, Crittenden County	6	4:00 AM to 4:45 AM			1	5			Wind
			Damage was confined to the City limits of West Memphis. Ben signs, billboards, windows, awnings, fences, trees, small out-buildings and utility poles and lines were damaged. House trailers were overturned.						
Mississippi County	6	4:00 PM to 4:30 PM	15	100			4		Tornado, Funnel aloft
			The storm moved from southwest to northeast across Northeastern Mississippi County from Roseland to Missouri line. In all, about 15 funnel clouds were observed - 3 of which are thought to have touched the ground. There was scattered damage to farm buildings along the path and damage to roofs, windows and small buildings in the City of Blytheville. At Blytheville the funnel appears to have gone aloft. The tornado was reported to have again touched the ground in Peabody County in Southeastern Missouri.						
Benton County	16	10:00 AM		500			4		Tornado, hail, electrical
			The tornado moved out of Oklahoma in a northeasterly direction to a point 4 miles north of Siloam Springs, touching the northwestern corner of the City. There was considerable damage to farm buildings, roofs, fences, trees and utility poles and lines. One home was damaged by lightning. Only light hail was reported.						
Hagersville, Johnson County	18	9:00 PM	4	1800					Tornado
			Buildings destroyed, roofs damaged. Trees twisted off.						
Van Buren County	18	10:00 PM to 11:50 PM					4	3	Wind, hail, funnels aloft
			Scattered wind damage over much of Van Buren County. Property damage estimated at \$7,400 due to wind. Hail damage to crops estimated at \$1,000, stones from 1/2" to 1" in diameter. Two funnel clouds observed.						
Conway County	19	1:00 AM to 1:10 AM	10	440			4		Tornado
			The tornado moved southeastward from Cleveland to Center Ridge.						
Garland County	19	12:20 AM							Funnel aloft
			Funnels aloft reported 3 miles south of Hot Springs.						
CALIFORNIA									
Sierraville	12				0	0	3	0	Wind
			Wind unroofed the General Store and toppled bricks from the store front.						
San Bruno	15				0	1	3	0	Wind
			Driver lost control of car as a result of gusty wind; car overturned and driver was injured.						
Del Norte County	13				0	0	0	0	Tornado
			Pacific Airlines pilot reported tornado unroofed trees north of Eureka, California. No further confirmation obtained.						
San Joaquin Valley	18				0	0	0	4	Wind
			Strong winds damaged fruit crops and blew young cotton plants from the ground.						
COLORADO									
Douglas & Elbert Counties	9	2:00 PM							Hail
			Hailstones one inch in diameter were observed 55 miles north of Colorado Springs.						
Pueblo, Custer, Fremont, Kit Carson Counties, eastern portion	15						3	C	Hail
			Hail fell in western Pueblo County, and in an area near Canon City to Rye. Local accumulations of one to 1 1/2 feet of hail were reported along Highway 96 west of Pueblo, blocking traffic, and similar accumulations were reported 25 miles southwest of Pueblo. Heavy rain flooded dry arroyos and damaged some roads in the area. Hail fell also in other scattered areas of eastern Colorado. Three quarter inch hailstones were observed 6 miles northwest of Colorado Springs. Some crop damage was reported along the southern border of Kit Carson County.						
Weld County	15	1:30 PM					2		Tornado
			A small tornado destroyed several sheds at a farm near La Salle.						
Elbert County	17	PM					3		Tornado
			Four apparent funnel clouds were observed near Kiowa. Two were believed to have touched the ground. The only damage was destruction of a small shed and uprooting of trees on a farm just north of Kiowa. "Baseball size" hail during the storm damaged roofs in the area. Three quarter inch hailstones were reported just southeast of Denver.						
Kit Carson County	17	PM					4		Tornado
			A tornado moving northeastward destroyed farm buildings 16 miles northwest of Burlington and 25 miles north of Burlington. Large hailstones were reported just prior to the tornado.						
Morgan County	17	Mid PM					2	4	Hail and rain
			A severe hail and rain storm with marble sized hailstones in some sections was heaviest in an area beginning 4 miles east of Fort Morgan, extending eastward to Brush then northeastward about 5 miles to the Hillrose district. Snowplows were used to clear the highway of 9 to 18 inches accumulations of hail. Crop damage varied from heavy to light. Some side roads were flooded.						
Northeastern Portion	18	PM			1	4	3		Hail, rain & snow
			Severe thunderstorms with heavy rain and hail affected wide areas of northeastern Colorado. Hailstones 2 and 3 inches in diameter fell south and east of Tuma. A woman was injured while riding in a car when windows were broken by hail. Large hailstones damaged roofs and cars in the Denver area. There was scattered damage to crops. Heavy snow and rain in the eastern foothills caused rock and landslides which blocked some highways. There was widespread minor damage from lightning. Hailstones over 1 inch in diameter were observed in Denver.						
Northeastern Portion	18	2:00 PM							Tornado
			A tornado from the southwest touched the ground 32 miles southeast of Akron. There were no buildings in its path, but straws were driven in fence posts.						
Baca County	19	PM						6	Hail
			Heavy wind-driven hail in the area southeast and northwest of Midway caused 10% to 100% loss to headed out wheat. This same area suffered a hail loss on the 15th.						
Sedgwick County	27	PM						5	Hail
			Hail with high wind in the Sedgwick area caused severe local damage to wheat crops.						
Lamar	28	PM					3	C	Hail
			Three inches of 1/4 to 1/2 inch diameter hail caused extensive damage to foliage and gardens in Lamar. Little damage to crops outside of town.						
FLORIDA									
Clewiston, Hendry Co.	2	5:00 PM EST	Short	Narrow	0	0	0	0	Tornado
			Funnel dipped down to ground briefly in an unhabited area and did no damage; moved southeast.						
Pensacola, Escambia Co.	7	1:45 AM CST			0	0	4		Wind
			Strong winds associated with small unroofed several houses in an area about 13 miles north of Pensacola.						
Tampa, Hillsborough Co.	12	2:20 PM EST			0	0			Funnel Cloud
West Palm Beach, Palm Beach Co.	12	Afternoon			0	0			Waterspout
Miami, Dade Co.	23	1:00 PM EST			0	0			Funnel Cloud
Stuart, Martin Co.	28	2:45 PM EST			0	0	3		Wind

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GEORGIA									
Vienna, Dooley County	7	8:00 p.	1	Narrow	0	0	4	0	Tornado
Heavy damage over a one mile long path north of town. Buildings unroofed and many large trees uprooted or twisted off.									
Baconton, Mitchell County	7	Between 8-9 p.	1	Narrow	0	0	4	0	Tornado
Small tornado unroofed one residence, damaged several other buildings and uprooted numerous trees as it moved from south to north along the western edge of town.									
Southwest	10	2:30 p. and 6:30 p.			0	0	3	4	Hail and rain
Hail fell in parts of Grady, Thomas and Cook Counties in two different storms during the afternoon. Losses mostly to tobacco where damage estimated as high as 40 percent in some fields. Truck crops also suffered some damage.									
Scattered areas	25-26						4	4	Wind, hail and electrical
Hail and high winds, associated with local thunderstorms, hit several central Georgia counties on the 25th and 26th. Some hail exceeded one inch in diameter, 26 cows were killed by lightning in Oglethorpe County on the 26th.									
IDAHO									
South-Central Counties	12	Early Evening			2	3			High winds and blowing dust
From Indian Cove in Owyhee County southeastward to Oakley in Cassia County, strong winds accompanied the passage of a cold front, blowing down several trees, breaking power lines and overturning a car and house-trailer west of King Hill. Dust reduced visibility and resulted in considerable damage to 5 motor vehicles and minor injuries to 2 persons in two separate collisions north of Oakley. Slight crop damage from blowing sand was also reported in the Hammett Valley.									
Southwestern Valleys	19-22	Early Mornings					6		Killing Freeze
Fruits in the commercial orchards of Gem, Payette, Canyon and Ada counties sustained severe damage from low temperatures, despite use of heaters. Home gardens and fruit trees were hard-hit and large acreages of sugar beets, corn, lima beans, potatoes and berries suffered some frost damage. Estimates are that only about 20% of a normal crop of plums and prunes will be harvested, somewhat more than a half crop of peaches about 20% of the normal cherry crop and 20 to 30% of the apple crop. Temperature readings as low as 24° were made in some orchards on the 22nd. The 28° readings at Boise on both mornings were the lowest for so late in the season, while 27° at Payette and 32° at Swan Falls equalled the lowest temperature for May during the past 30 years.									
ILLINOIS									
Floca	6	8:30 a.	1	100	0	0	4		Tornado
Hangar damaged at airport.									
Casner	6	9:40 a.	1/4	100	0	0	3		Tornado
Damage at 3 farmsteads. Movement reported toward the Northwest.									
Carrollton-Springfield	6	1:05 p.	40	50	0	0	5		Tornado
Tornado moving northeastward with intermittent path caused scattered damage at a number of locations from the Carrollton area to near Springfield.									
Mattoon-Oakland	6	4:30 p.	20	130	0	0	4		Tornado
Tornado moving toward the northeast caused moderate damage to farmsteads near Mattoon and near Oakland.									
Baldwin, Sparta	16	3:15 p.			0	0	4		Tornadoes
One tornado was observed by a school bus driver; farm buildings were damaged. Another tornado caused damage at a country club near Sparta. Both tornadoes moved toward the northeast.									
Hamilton-Peoria	16	4-5:30 p.			0	0	5		Tornadoes, windstorms
Windstorms and at least two tornadoes affected the area extending from Hamilton to Peoria. Storm movement was toward the east-northeast. Some of the heaviest damage was reported near Prairie City, Farmington, Hanna City, and at North Pekin where several houses were heavily damaged.									
Eldred	20	7:40 p.	short	30	0	0	3		Tornado
Light damage as tornado moved toward the northeast.									
ILLINOIS (cont'd)									
Southern two-thirds	24	afternoon			0	0			Wind, rain, hail
Numerous heavy thunderstorms caused scattered damage from the Bloomington and Galesburg areas southward. Hail damage was heavy in the Edwardsville area.									
Havana	25	2 p.			1	2			Electrical
Lightning killed one of three men who were under a tree near Chautauqua Lake.									
Heyworth	25	3 p.			0	0	3		Tornado
Tornado moving toward the northeast caused light damage at a farm ten miles north of town.									
East Peoria	25	3:10 p.			0	0	4		Tornado
A tornado moving northeastward caused moderate damage to about ten residences.									
Edgar County	27	morning							Funnel cloud
Two or three funnel clouds remained aloft. There was no associated thunderstorm activity.									
INDIANA									
Goeben, Elkhart County	6	5:15 P			0	0	0	0	Funnel cloud
Observed 1.5 miles west of Goeben near Indiana road number 19.									
Kewanna, Fulton County	6	6:51 P			0	0	0	0	Funnel cloud
Logansport, Cass County	16	2:15 P to 2:30 P	2	880	0	0	3	0	Tornado, lightning
At a private air field seven miles northeast of Logansport a tornado and 80-90 mph winds damaged four hangars, two planes, a home, and some buildings on a nearby farm. Rain was heavy. Attributed to the tornado was a loss of \$3500 and to lightning, \$250.									
Fort Wayne, Allen County	16	9:20 P			0	0	0	0	Funnel cloud
Pilot reported a water spout 30 miles west of Fort Wayne.									
Anderson, Madison County	19	5:15 P			0	0	5	0	Lightning
Large woodworking plant destroyed by fire following lightning. Loss estimated over \$100,000.									
Albany, Delaware County	19	6:05 P	?	?	0	0	4	0	Tornado
Small tornado damaged buildings at three different farms two miles southwest of Albany. Police reported storm moved toward east-southeast. Losses were: Garage \$2000, two cars \$800, and two chicken houses \$2300. The funnel cloud was also seen from the north edge of Albany.									
Greensburg, Decatur County	20	3:25 P			0	3	1	0	Lightning
Lightning struck county court house causing several hundred dollars damage and shocking three people.									
Apalena, Perry County	20	6 P			0	0	0	0	Funnel cloud
LaPorte, LaPorte County	21	8:09 to 8:15 P	?	?	0	0	3	0	Tornado
Garage, fence and tree valued at \$1500 destroyed by tornado two miles southwest of LaPorte and 1/4 mile east of Moor Village.									
Warrick County	24	afternoon	?	?	0	0	1	0	Hail
Hailstones the size of golf balls damaged car tops and windows at Castle Heights High School.									
Wadesville, Posey County	24	afternoon			0	0	4	0	Lightning
House burned after lightning stroke with a loss of \$15,000.									
Evansville and Vanderburg County	24	2:20 P	?	?	0	0	4	0	Wind, lightning
Winds reaching 71 knots at Weather Bureau Station caused wide spread but minor damage in locality. Shingles, billboards, trees, power lines were hit causing small fires and disruption of services. Losses about equal between wind and lightning.									
Alexandria, Madison County	25				0	1	0	0	Lightning
Man was shocked by lightning.									
Cloverdale, Putnam County	26	12:30 A-12:35 A			0	0	0	0	Funnel cloud
State police reported funnel cloud.									
Frankfort, Clinton County	28	11:10 A			0	0	0	0	Funnel cloud
Observed three miles southwest of Frankfort.									

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INDIANA											
Indianapolis, Marion County	28	1:20 P			0	0	0	0	0	0	Three Funnel Clouds
			Funnel clouds observed aloft: (1) East of Indianapolis about 800 feet above ground. (2) Southeast of Indianapolis (3) 15 miles east of Indianapolis.								
Francesville, Pulaski County	28	1:38 P			0	0	0	0	0	0	Funnel cloud
			Funnel moved eastward.								
Columbus, Bartholomew County	28	5:30 P			0	0	0	0	0	0	Funnel cloud
			Observed northeast of Columbus.								
Indianapolis, Marion County	28	5:50 P			0	0	0	0	0	0	Funnel cloud
			Observed 3 1/2 miles south of Indianapolis.								
Gibson County	29	4:50 P	?	?	0	0	4	0	0	0	Funnel cloud Wind, rain
			Funnel cloud was reported two miles north of Fort Branch. Wind blew down an outdoor theater screen and house at Oakland City. Heavy rain fell at Princeton. Most losses were result of wind.								
IOWA											
Scranton (near)	5	7:00 p.	25	150			5				Tornado
			Estimated \$60,000 damage to 8 farms. Scranton area. Moved ENE from 1 1/2 SE Willey to NE of Scranton, skipped along path.								
Glidden	5	7:30 p.					4	3			Hailstorm
			Hailstones 1 1/2 inches diameter.								
Dallas Center (near)	5	9:30 p.	1	100			4				Tornado
			Estimated \$10,000 damages to farm home and buildings.								
SE Buchanan County	5	10:00 p.					4				Heavy rains & windstorm
			\$13,500 damage to roads due to flash flooding, \$6,500 due to wind.								
Grinnell	16	5:15 p.					4				Hailstorm
			1 3/4 inch hail, some irregular 3/4" X 3/4"								
10 S Eldora	20	6:10 p.	2	100			4				Tornado
			Damaged farm buildings near Union.								
Boone	24	10:30 a.					4				Windstorm
Osceola	24	11:15 a.					4				Hailstorm
			1 1/2" hailstones.								
4N Guthrie Center	24	2:00 p.					3	4			Hailstorm
Near Fairfax	24	2:00 p.									Funnel
12 NNW Iowa City	24	2:00 p.									Funnel
Spirit Lake	25	4:30 p.	1	100			3				Tornado
			Nine windows sucked out of new high school building & some other buildings blown apart.								
Audubon	25	5:00 p.									2 Funnels
KANSAS											
South Central Counties northeastward to Marshall County.	3	3:30p to 11:00p									Severe wind (3) Electrical (3) Hail and heavy rain.
			A thunder storm condition began about 3:30p in Pratt County where high winds damaged farm buildings near Cullinson. Lightning caused some damage in Stafford about 5pm, at McPherson at 5:35pm, and at Wellington near 10:00pm. Electric service interruptions resulting from broken lines were reported over much of the area. Shortly after 9pm winds of toradic violence unroofed barns, uprooted trees, and blew sheds over along a 25 mile path from 3 miles west of Salina to near Bennington in Ottawa County. A second squall line about 11pm caused much the same type of damage from Northern Dickinson County to southern Marshall County a distance of 50 miles. In places the path was approximately 10 miles wide. In its eastward movement the storm developed into a heavy rain with a deluge of 3 to 5 inches within a 25 mile radius centered at Newton. Hail damage occurred in Gray, Clark, Comanche, Kiowa, Pratt and Stafford Counties.								
Greenwood County	4	10:00a					3				Electrical
			A barn and contents of baled hay were destroyed when a barn 3 miles southwest of Madison was set afire by lightning.								
Sherman County	4	4:30p-7pm	8	*1			4	4			Hail and (2) tornadoes.
			Hail and 2 tornadoes occurred in eastern Sherman County about 3 to 6 miles north of Edson. Most of the damage was from hail. Some stones were 3 inches in diameter and covered the ground in some places to a depth of 6 inches. Wind blew hail in all directions. Hail stones had dirt and debris frozen in them. 28 pelicans were killed by the hail when forced to land on a pond in the area. First tornado occurred at 5:20pm to 5:40pm and dipped to earth several times about 3 miles north of Edson. Its direction was west to east. The second apparently formed at 6:30pm, came to the ground took out 1/2 mile of fence and then dissipated toward the northeast. A considerable roar was heard from each.								
KANSAS (Cont'd.)											
Gove, Lane and Ness Counties	4	5:43p-5:58p	5	1000				3	3		(2) tornadoes and (2) funnel clouds
			The first tornado began about 7 miles south of Arnold in northwest Ness County and travelled northeast, and was observed for about 15 minutes. A number of farm buildings were damaged. Two funnel clouds were associated with this tornado. The other tornado was observed to touched ground twice a few miles west of Brownell in the northeast part of the County at 5:45p. Numerous crop hail losses were reported from Lane, Gove and Ness Counties.								
Stevens, Haskell and Finney Counties	5	Near 4pm									Funnel clouds(3)
			The first funnel cloud was observed to swoop low over Sublette at 3:55pm. A second funnel was sighted near Woods in western Stevens County at 4:00pm. A third funnel formed in southern Finney County 9 miles south of Garden City a little later. The movement of the first 2 was northeast.								
Beno, Kingman, Comanche, Clark and Gray Counties.	5	7:00p-7:10p									Hail
			A heavy fall of half inch hail was centered at Arlington in southwest Beno County where the ground was covered to a depth of 6 inches. Trees were stripped of leaves and twigs and crops in a limited area were a total loss. A number of hail loss claims were processed in Kingman, Comanche, Clark and Gray Counties.								
Cherokee, Wilson, Crawford and Coffey Counties	5	evening						1			Funnel cloud, Heavy rain and electrical.
			A funnel cloud was sighted south of Galena. In Pittsburg a driver lost control of his car and crashed into a light pole when he ran into a pool of water accumulated on the street from a sudden down pour. Lightning damaged a number of homes in Altoona and appliances in a house near Burlington. Telephones were also put out of use.								
Pratt County	6	morning									Wind gusts
			Two mobile homes were blown off the highways near Preston, one 2.8 miles east of town and the other 4 miles west. Both occurred about the same time. The trailers and furniture were heavily damaged.								
Clay County	10	night									Wind
			A shop in Wakefield was unroofed and a hay barn near town was partially blown away by high winds.								
Logan, Gove, Sheridan Counties	15	3:45p-6:30p	60	*2to3				5	5		Hail, heavy rain and high wind.
			Severe hail and heavy rains of up to 6 inches fell in numerous areas over a 60 mile northeast path from near Russell Springs to about 10 miles east of Holis. Hail was 5 inches deep some places. A few buildings were unroofed in Logan County. Wind driven hail damaged wheat 75 to 100%. A grain auger was used to remove hail from the basement of a house that being built. In Sheridan County \$75,000 worth of culverts and bridges were washed out.								
Norton County	15	about 8p	5	*3							Tornado, funnel cloud and hail.
			A tornado was observed to touch ground about 10 miles northwest of Ellhart but caused no damage. Path was 1 mile long and 300 yards wide toward the northeast. Almost at the same time a funnel cloud was observed 5 miles east of Rolla. Hail damaged crops 100% east of Rolla about 8:15pm over an area 2 miles square. Stones were marble to golf ball size but did not cover the ground. Hail path was from northwest to southeast. About 2500 acres of wheat were damage 50 to 100%.								
Clay County	15	7:10p-7:30p									Small tornado
			A small tornado dipped down approximately 10 miles southwest of Clay Center. Barns and outbuildings were damaged on several farms. Windows were sucked out of the houses.								
Marshall County	15	8:30p-9:00p	15	*3				5	5		Hail and wind.
			The hail damage path began a few miles southwest of Frankfort and widened in its northeastward travel to north of Vermillion. Marble sized hail driven by toradic winds cut all vegetation to shreds. Trees were stripped and several buildings damaged.								
Dickinson, Clay, Geary, Riley, Washington and Marshall Counties.	16	1 am to 2 am									Tornadoes (3) and severe winds.
			Stormy conditions over these counties developed several severe squalls resulting in damage paths as follows: 12:50a 1 100 A small tornado struck momentarily 3 miles south southwest of Oakhill in western Clay County tearing up a number of farm buildings and fruit trees on only one farm. 1:10a 2 250 A second small tornado damaged farm buildings 3 1/2 miles southwest and 2 1/2 miles southeast of Fact in northeastern Clay County. 2:00a short A third funnel dipped near Winifred and again north of Artell uprooting trees and damaging a number of buildings. Path was toward the northeast. Severe winds accompanied these tornadoes with minor damages at occasional locations over the counties named. Local damage to a few buildings on the Ft. Riley military reservation was reported.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1960

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.)									
Coffey County	16	12:30p							Severe wind and funnel cloud. A funnel cloud travelling northeast was observed between Halls Summit and Waverly. A severe wind destroyed a large barn in the north central part of the county.
Montgomery and Neosho Counties	16	5:30p							Funnel cloud, electrical and hail. A funnel cloud was sighted a few miles northeast of Coffeyville during a severe thunder storm. Scattered large hail stones, a few as large as baseballs also fell over the north part of the County. A house in Erie was struck by lightning with resulting damages to a number of appliances.
Crawford County	16	5:30p-6:00p	6	*2					Hail and electrical. Severe hail with some stones 3 inches in diameter damaged crops and gardens from near Girard to north of Arma. A house in Arcadia was extensively damaged by lightning.
Sedgwick County	18	Just after midnight							Severe winds Violent winds struck 3/4 of a mile west of Andale in northwestern Sedgwick County completely destroying a large barn. Other minor damage occurred in the vicinity.
Wilson, Labette and Neosho Counties	18	Evening	2						Severe wind squall and electrical. Severe winds with indications of an incipient tornado damaged buildings, trees and transmission lines in southern Neosho and northern Labette Counties. Greatest severity of the storm was about 1/2 to 2 miles north of Parsons at 6:45pm. About the same time lightning struck and destroyed a farm house and barn near Benedict.
Graham County	18	5p-5:45p	15	*2			5	4	Small tornado, severe wind and electrical. Severe hail damaged crops 10 to 80% over the area from St. Peter to 1 1/2 miles northeast of Hill City. Many stones were 1 inch in diameter some of the largest were 3/4 inches in diameter which appeared to be about 15 to 20 stones frozen together. The hail battered roofs, siding, broke windows, dented cars, and destroyed nest signs. Losses from hail were, property \$50,000, Crops \$20,000. A small tornado traveled a south to north path of about 6 1/2 miles long with a width of 100 yards, south of Hill City. Twisted fences, uprooted trees, a bare swath thru an alfalfa field and some building damage were left in its path.
Geary County	19	4:20-4:35p							Funnel cloud A funnel cloud was sighted several miles north of Junction City traveling north rather slowly.
Wabaunsee, Shawnee, Jackson, Jefferson and Leavenworth Counties	19	5:18p-8:33p	80	*40	1	91	7	6	Tornadoes (6) At least 6 tornadoes caused damage over the 80 mile path from a point near the Riley County line north of Highway No. 40 to the northern city limits of Leavenworth. The tornado resumed its destruction eastward across Wisconsin. The first tornado terminated about 3 miles north of Roseville. Its movement was principally east northeast. The second tornado struck 4 miles northeast of Roseville and 3 miles southeast of the termination of the first. This path was only slightly north of the east. East of Meriden near Osawatomie two damage paths were observed for a distance of about 5 miles. The southern path extended east through the north part of Osawatomie ending about 2 miles northeast of McClouth. The fourth tornado originated about 2 miles north of the terminal point of the third passing almost due east past Springdale where it lifted and returned to the ground 4 miles west of Leavenworth. This last section was in a more northeast direction. The fifth tornado quite small, struck ground in north Topeka on Highway No. 24 about 1/2 mile east of the Junction with Highway No. 75. An incipient or suspected tornado struck between 8:30p and 9:00p. 2 miles north of highway No. 24 and 1 1/2 miles west of No. 75. A number of buildings were damaged. Numerous other funnels were observed to form and dissipate at various places along the route. Also there may have been more than one tornado on the ground in some of the wider damage areas. The main storm cloud was not well defined as a funnel, but was described as a rolling black mass of cloud. A dreadful roar was reported the length of the tornado path. Trees, fences, transmission lines, buildings, machinery were all destroyed or damaged. The Red Cross reported 110 dwellings destroyed, 111 with major damage and 239 minor damage; 9 school or business buildings destroyed, 39 had major damage and 9 with minor damage. A total of 461 families suffered loss. Trees on the north and south edges were all turned inward along the path. Debris showed a definite center line over much of the path. The exceptional width of much of the path was the chief characteristic of this series of tornadoes. Advance warnings and the unusual darkening of the sky as the tornado approached led many to heed the education given and seek protection in basements or to drive away from the tornado which accounts for the small number of injuries and deaths. The town of Meriden was virtually destroyed. Debris from the tornado was carried many miles to the north.
Jackson County	19	6:15p-7p	6	*1			3	4	Hail and wind Hail stones generally 3/4 inch in diameter with some 4 inches across fell in an area from and around Deale to about 6 miles north. Hail was driven by high wind.
KANSAS (Cont'd.)									
Morton County	19	6pm-8pm	7	*5					Hail Hail fell over approximately 3 1/2 square miles with variable damage. About 4,000 acres of wheat were destroyed. Stones were mostly marble size. Storm extended over into Colorado.
Cowley, Chautauque, Montgomery, Neosho, Wilson, Cherokee and Crawford Counties	19	6pm-8:30p							Violent winds, and 2 small tornadoes Scattered wind damage was reported over these counties during the evening beginning near Arkansas City about 6pm. Trees were blown over, transmission lines broken, sheds and barns damaged. A trailer house was toppled over, windows were blown out of a church, large limbs falling on cars and buildings caused additional damage, a few T.V. antennas were bent and broken, two walls of a building under construction were blown down in Coffeyville. The squall line hit Arkansas City about 6pm. Independence just after 7pm, and in eastern Crawford County at 8:30pm. Near Dexter where considerable damage was done, the air became excessively hot just prior to storm. Two small tornadoes were reported: 7:40p 2 2 Tornado This tornado struck 2 farms, collapsing and damaging a number of buildings, about 10 miles southwest of Chanute. It moved northeast. 8:10p 1 1 Tornado A small tornado swept through a corner of Park Cemetery at Columbus, uprooted trees and overturned a number of grave markers.
Finney County	22	4:30p	short						Tornado A small tornado touched down about 18 miles northeast of Garden City destroying a large hog shed, and carrying the roof of a barn 1500 feet. Other buildings were damaged and trees were uprooted. The tornado moved slowly southeastward.
Riley County	23	2am	short						Severe wind Several farm buildings were wrecked by severe gust of wind 3 miles northeast of Milford.
Finney County	23	7:30p	short						Tornado Another small tornado tore the center from a large cattle shed 16 miles east northeast of Garden City about 2 1/2 miles south of where the one struck late on the 22nd. Chunks of concrete 3 1/2 feet by 1 1/2 feet were torn from a back wall of the barn. Intense lightning and thunder accompanied the passage of the tornado.
Barton County	23-24	10:30p-12:30a					3		Violent winds Strong gusts of wind beginning about 10:30pm reached hurricane force about midnight. A mobile home unit was toppled over against another. A second trailer being towed on the highway was blown over. Plate glass windows of business houses were blown in. Several large tanks at the airport were damaged. Many tree limbs were broken.
Barton County	24	2:40a							Electrical Lightning damaged the wiring, electrical appliances and knocked plaster from both sides of a wall at a house in Great Bend.
Wabaunsee County	24	6:30a	8	15					Tornado First damage was to farm buildings 5 miles southwest of Bridgman. A path of broken trees could be followed to about 4 miles east of town. Movement was toward the northeast.
Ellis and Russell Counties	24	6:30p-8p							(2) Tornadoes and violent winds. Violent winds and 2 tornadoes resulted in considerable minor damage over these two counties. Numerous trees were broken and occasional small buildings and sheds were blown over. Gusts of 75mph were recorded at Russell F.A.A. station. 6:45p-7p 10 50 2 The first tornado progressed northeast from the west side of Russell to north of Bunker Hill. Metal buildings were twisted, trees broken, some roofs damaged, windows broken, both in houses and cars and power lines broken by falling trees and limbs. 6:50p-6:52p 1 100 The second tornado came to earth only momentarily on only one farm 2 miles east and 5 miles south of Victoria where a number of out-buildings and some large trees were demolished. A funnel cloud was distinctly observed.
Morton County	24	8p-9:30p							Local violent wind A severe wind gust unroofed a granary 7 miles south of Morton. Blowing dust was reported over the county.
Pawnee, Barton, Rice, Ellsworth, McPherson and Saline Counties	24	8p-11 pm							Electrical, violent winds. Several damage areas were reported as a result a wide thunderstorm throughout the evening. Winds estimated at 60 mph broke limbs from trees and disrupted electric service near Larned. The 90 foot steel flag pole at Fort Larned was broken 30 feet above ground about 8:30pm. A bolt of lightning at Lyons burned out about 100 street lights. Damage to trees, communications, cabins and boats occurred at Lake Karpopolis. Buildings on several farms 8 miles north of Windom and near Brookville were reported to have been damaged.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1960

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	
KANSAS (Cont'd.)									
Mitchell County	24	near mid-short night							Small tornado
		A small tornado struck 2 miles east of Hunter doing damage to buildings, machinery and trees. The storm had a pronounced roar.							
Stanton County	24	8p-9p							High wind
		A severe gust of wind near Johnson broke 3 utility poles and blew a house trailer over.							
Butler and Harvey Counties	25	3a-4a							(1) tornado and (2) funnel clouds
		A small tornado dipped to earth 5 miles south of Newton at 3am. Air was filled with dust and flying straw. Tornado moved from west to east. Funnel clouds were sighted at Whitewater at 3:20am and at Oil Hill at 4am.							
Lyon County	25	12:30p-12:40p							Funnel cloud
		A funnel cloud was observed for 10 mi east of Olpe, or 15 miles southeast of Emporia. Funnel cloud travelled toward the northeast following a thunderstorm.							
Anderson County	25	2:09pm							Tornado
		Sheriff reported a tornado on ground several miles southwest of Garnett.							
Johnson County	25	2:22pm							Funnel cloud
		A funnel cloud was observed 8 miles northeast of Olathe near the junction of highways Nos. 7 and 10.							
Pawnee and Barton Counties	25	7:30p-10:00p							Funnel cloud and hail
		A funnel cloud was sighted near Killwood about 7:55 pm. Later heavy hail caused crop damage in Cokling township of Pawnee County, 15 miles northwest of Larned. Stones were 8 inches deep on the ground over a very limited area. A second fall of hail in and near Great Bend left 2 inches of marble sized hail between 9:50p and 10:00p.							
Western Counties	25								Hail
		Insurance companies reported numerous hail losses in a wide band from Rawlins and Decatur Counties southeast to Comanche and Sedgewick Counties.							
Western and south Central Counties	27	afternoon and evening							Hail
		Hail losses on crops were reported over an extensive area from Sherman and Rawlins Counties southeastward to the Oklahoma line from Clark to Cowley Counties. Near Dodge City stones were about 3/4 inch in diameter. Southeast of Goodland wheat over a small area was damaged the second time. In southeast Pratt County numerous stones were golf ball size and some as large as base balls. An airplane flying near Russell had hundreds of dents in its fuselage from hail.							
South central and Southeast Counties	28	afternoon and evening			6	5			Hail, heavy rain and electrical(10)
		A stormy condition which developed about 7pm from Clark to Kingman Counties reaching Sumner and Cowley Counties about 5:30pm to 6pm and Resno and Labette Counties about 9pm. Numerous hail stones were filed from Ford and Clark Counties east to Cowley County and as far north as Pawnee and Reno Counties. Hail was especially damaging north of Winneka with hail losses of 50 to 100¢ and some stones as large as baseballs. In Kingman County 3 square miles were damaged near Skellyville, 40 square miles north of Kingman and 32 square miles at Hurdock. Near Belle Plaine hail fell from 5:00p past 5:40pm, many stones 1 inch in diameter and some 3 inches in diameter and driven by 60 mph wind. Near Cheney at 8:30pm a strip 20 miles long and 7 wide caused much damage by stones ranging from 1 to 2 inches in diameter. Local heavy rain of 1 to 3 inches in an hour or two added to the crop and property losses by heating down and washing out crops and leaking through hail riddled roofs and broken windows. Further east there were numerous lightning strikes. Transmission lines were damaged by falling tree limbs and by lightning. Automatic alarms were set off by lightning in several places. Partial estimates of hail damage include \$530,000. to property and \$204,000. to crops. Lightning losses were estimated at \$5,540,00.							
KENTUCKY									
Christian County	6								Funnel Cloud
		A funnel cloud not touching the ground was reported by a pilot 50 miles west of Bowling Green.							
Jefferson County	20	PM			2	3			Wind & Lightning
		High winds ripped heavy branches from trees, damaged some buildings and interrupted utility services. One injury was caused by falling glass. Lightning hit some electricity lines causing power failure. The second injury was caused by lightning.							
Livingston County	24	PM							Funnel Cloud
		Funnel apparently never touched the ground.							
Central Section	24	PM				5			Wind
		Thunderstorm winds estimated at 50 to 60 miles per hour toppled trees, snapped power and telephone lines, and damaged many homes and other buildings. Some damage was reported from at least seventeen counties in the central section of the state.							

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	
KENTUCKY (Cont'd.)									
Jefferson County	24	PM							Wind
		Strong winds in a thunderstorm toppled trees, damaged power and telephone lines, ripped the roof off from a church building and damaged several homes.							
Bullitt County	24	PM							Wind
		Wind damaged numerous homes and many trees were uprooted or broken. The small city of West Point reported the storm "as the worst in it's history" with as many as forty to fifty homes damaged.							
Daviess County	24	PM							Wind and Hail
		High winds with gusts estimated up to 50 miles per hour damaged several buildings and caused some power failures. Golf ball sized hailstones were reported in parts of the county. Most damage was from the wind.							
Pulaski County	24						3	3	Hail
		Hailstones measuring as large as 1-3/4 inch in diameter caused damage to buildings, signs, and crops.							
Oldham County	25	9:22PM CST							Funnel Cloud
		A funnel cloud not touching the ground was reported about 25 miles northeast of Louisville.							
Bullitt County	26	11:22 AM CST							Funnel Cloud
		A funnel cloud not touching the ground was observed south of Fort Knox moving eastward.							
Kenton County	26	PM							Hail
		Large hailstones described as "almost as big as golf balls" smashed windows and damaged roofs in more than 100 homes. There was a report that the hailstones drifted and piled up almost a foot deep in streets.							
LOUISIANA									
Baton Rouge, 6 mi. N	6	7 pm	3	M 1	0	0	4	C	Wind and Hail
		Confined mostly to trees and communications and power lines.							
Fort Pike, Orleans Parish	6	10:30 pm	1	M 5	0	0	4	0	Windstorm
		Volunteer firehouse blown down on fire engine; several homes roof damage.							
MAINE									
Lake Auburn (west shore)	5	12:45 P.			0	0	2	0	Dust Devil
		Dust Devil lifted a 1,000-pound ice boat and turned it end for end while leaving nearby clothes-lines untouched.							
MARYLAND									
Huntingtown-Hunting Creek area, Calvert County	17	Early evening	2-3	1/2 to 3/4	0	0	4	C	Windstorm
		A strong windstorm associated with thunderstorm activity moved in a northeasterly direction over the Huntingtown-Hunting Creek area and seriously damaged or demolished about 10 tobacco barns and caused some damage to about a half dozen other barns and buildings. A few trees were pushed over and a cinder block chimney toppled. The barns were reported pushed over generally in the same direction.							
Cumberland, Allegany County	21	1:30 p.m.-EST	?	?	0	0	4	0	Windstorm and heavy rain
		Strong winds, lightning, heavy rain, and hail accompanied a sharp cold frontal passage. The storm which lasted for about 45 minutes ripped limbs from trees in scattered sections of the city, and heavy runoff from the rain caused minor damage to streets in parts of Cumberland. Lightning struck a 60-foot tree, and winds severely damaged a large garage building. The 45 x 60 foot garage roof was hurled 100 feet into a field. Double doors of the building were blown off their hinges, and large portions of the four walls were also blown down by the wind.							
Montgomery County and St. Marys County	21	Evening	?	?	0	0	4	0	Lightning
		Lightning struck and damaged at least four homes causing variable amounts of freak damage as intense electrical storms associated with a cold frontal passage moved eastward over the state. Firesmen arrested fires before blazes got out of control. Damages were estimated at \$10,000.							
Dorchester County	22	Evening	?	?	0	0	4	0	Lightning
		A farmhouse struck by lightning burned to the ground.							
Prince Georges and Montgomery Counties	22	Evening	?	?	0	0	4	0	Lightning
		At least a dozen homes were hit by lightning in the suburban Washington area; however, damages were generally light. In the District no lightning damage occurred but several basements, flooded.							

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					KILLED	INJURED	PROPERTY	CROPS	
MARYLAND (Cont'd.)									
Easton, Talbot County	22	Evening	?	?	0	0	4	0	Lightning
Destruction by fire of a brick and tile company plant was attributed to lightning from an intense thunderstorm late on the 22nd. Brilliant electrical displays accompanied thunderstorms throughout the county. Losses were estimated at \$40,000.									
Huntington-Hunting Creek area, Calvert County	23	Evening	?	?	0	0	0	?	Hail
An intense, local hailstorm severely damaged tobacco plant beds, gardens, and some field crops. Many tobacco plant beds were virtually stripped of leaves.									
Between the Potomac River Bridge and Morgentown, Charles County	30	5:00 to 5:30 EST	1	?	0	0	2	0	Waterspout
A freak storm accompanied by a waterspout moved in a southerly direction over the Potomac River for a distance of about one mile. The waterspout appeared about 100 feet high and associated with a dark storm cloud overhead. Traveling down the river it picked up a small boat raising it up out of the water and tossing it around. On land nearby strong winds damaged or scattered objects such as storm doors, lawn furniture, etc. A large tree was uprooted.									
MASSACHUSETTS									
Harlboro	3	1:45 P.	-	-	0	0	2	0	Dust Devil
Dust devil lifted wall and tin roof, separately, into air and flung them 50 to 75 feet distant.									
Wassagusset Beach	4	Afternoon			0	0	0	0	Dust Devil
Adams Shore (section of Quincy)	5	Afternoon			0	0	0	0	Dust Devil
Dust Devil took bark off a log on the ground then continued across street and off shore where it disappeared.									
Entire State (except southeast)	31	Evening			0	0	4	0	Thunderstorms, rain
Thunderstorms and spotted heavy showers were widespread but brunt of storms received over Suffolk and east Middlesex Counties. Major damage from lightning-started fires and flooding of low spots of city streets.									
MICHIGAN									
Upper Peninsula	6-7	evenings 6th - morning, 7th					4		Heavy snow and rain
Melting of heavy snowfall caused serious flooding of rivers, streams, roads and streets. Numerous basements and homes were damaged. Roads were washed out and bridges were damaged making travel impassable in some areas. Levels on inland lakes rose to flooding conditions causing damage to adjacent homes and summer cottages. High lake levels were caused partially by runoff.									
Upper Peninsula	8-10	evening 8th - noon, 10th					5		Heavy snow and heavy rain
Heavy snow and heavy rain caused serious flooding of river, streams, lakes, roads and streets. Many homes and basements were flooded and damaged. Streets and roads were damaged and in some places washed out making travel impassable in those areas.									
Sandusky	22	5 PM							Funnels aloft
Two funnel clouds observed about a mile north of Sandusky dipping downward from a black cloud to within an estimated three to four hundred feet from the ground.									
Ionia	27	4:15 PM	2	50			3		Tornado
Small tornado formed four miles ENE of Ionia near the Stone farm and moved in SE to NW direction at an approximate speed of 15 MPH. Trees were uprooted, minor farm buildings were blown down and damaged and a plank was blown through the windshield of a station wagon. The tornado traversed along a two mile path and then became a funnel cloud aloft near the end of its existence.									
MINNESOTA									
Kingston, Becker County	18	p.			1				Electrical
Farmer operating tractor in field killed by lightning strike.									
Albert Lea near, Freeborn and Steele Counties	19	5:33 p.							Funnels aloft
Funnel clouds observed 200 to 300 feet above the ground near Freeborn, Conger area, near Albert Lea and near Geneva. One 8 miles west of Albert Lea appeared to touch ground. No damage was reported.									
MINNESOTA (Cont'd.)									
Minneapolis, Hennepin County	20	2p.-4p.					5	3	Rain
Torrential rainfall occurred over central and western Minneapolis and its bordering suburbs turning streets into canals, flooding thousands of basements and washing out basement walls. Sub-ground apartments and business establishments had to be evacuated. Water damage to a new nursing home reported at \$20,000. The heavy rain missed the Weather Bureau Airport Station and St. Paul. Cooperative observers in the storm area reported 0.60" in Bloomington, 1.10" in St. Louis Park, 0.97" in Robbinsdale and 1.02" in downtown Minneapolis. The storm ball moved south to north.									
South central Minnesota	20-21				1		5	4	Rain, Flooding
Torrential rains fell over south central Minnesota following a wet four day period, May 16, 18-20. Twenty four hour rainfall totals for May 20 to 21 varied from 2 to 10 inches. Official 24 hour rainfall at Jordan was 5.71 inches, a new record. Previous record was 4.05" June 20, 1956. The excessive rain centered over the Jordan-New Prague area and the Le Sueur River - upper reaches of the Blue Earth River. Weekly rainfall totals over the Le Sueur-Blue Earth Rivers averaged 6 to 9 1/2 inches. Hardest hit community was Jordan. Sixty per cent of the town of 1500 was flooded by Sand Creek and 115 families were evacuated. Damage to the 20 block residential area reported near \$50,000. One woman suffered fatal heart attack while moving furniture to higher ground. Severe flooding occurred on the Le Sueur River with high water exceeding the previous record stages of April 1951. The water from Jordan and the Le Sueur-Blue Earth Rivers which drain into the Minnesota River produced lowland flooding on the Minnesota River from near Hankato to its entrance into the Mississippi River near St. Paul.									
	20-21								Rain, Flooding
Flood stage was exceeded by near two feet at Hankato to 7 feet at Savage. Thousands of acres of surrounding farmland in the rain areas were flooded as well as along the Minnesota River. Hundreds of homes and businesses had water in their basements causing thousands of dollars of water damage. A few of the hardest hit communities were New Prague, Waseca, New Richmond, Benson and Young America. Many roads, bridges, culverts and railroad beds were washed out. The Minnesota Highway Department preliminary estimate of road damage was near \$150,000. For more detailed information on rainfall and flooding refer to the Weather Bureau publications Minnesota Climatological Data for May 1960 and Climatological Data National Summary under the section, "General Summary of River and Flood Conditions" respectively.									
Goodhue and Wabasha Counties	20-21						2	4	Rain, Flooding
Heavy rain of 2 to 5 inches fell over the middle and north branches of the Zumbro River causing 3 to 4 feet overflow from Zumbro Falls downstream through the dam. Over 800 acres of bottomland corn were inundated. Crop damage was light as little bottomland corn had been planted due to previous high water and rains. Road wash-out was minor.									
LaCrescent SW, Winona County	21	12:52 p.							Funnels aloft
Two funnel clouds within minutes of each other reported by Weather Bureau Airport Station at La Crosse, Wisconsin 9 miles west of the La Crosse Airport. Funnels moved north, dissipated and did not cross into Wisconsin.									
MISSISSIPPI									
Port Gibson, near, Claiborne County	4	3 pm	5	N 3/4	0	0	4	4	Hail
Hail up to 1" in diameter with heaviest fall 6 miles ENE Port Gibson.									
Picayune-Wiggins, Pearl River and Stone Counties	5	3-5 am	40	500	0	0	4	4	Hail and Wind
Heavy hail began Louisiana border, moved NE with heaviest hail at Wiggins. Most of path over wooded area. Stones 1-3/4" in diameter, damaged gardens, crops, greenhouses, etc.									
White Oak-Decatur, Smith and Newton Counties	5	9-11 am	40	400	0	0	4	4	Hail
Hailstorm moved NE from White Oak over mostly wooded area to Decatur, where heaviest damage occurred. Stones 1/2 to 3/4 inch diameter.									
Lexie-Dexter, Walthall County	6	1:30 pm	12	N 1	0	2	5	C	Tornado
Tornado moved slightly south of east from Lexie to Dexter communities southeast of Tyler town. Five homes and 8 buildings destroyed; 28 homes and 8 other buildings badly damaged; heaviest damage at Lexie.									
Friars Point, Coahoma County	6	5 am	3	1200	0	0	4	0	Windstorm
Roofs damaged, glass store fronts blown in, brick wall blown down.									
Poplarville, Pearl River County	6	8 pm	10	800	0	2	4	0	Windstorm
Communications and power lines downed, 1 house destroyed, several badly damaged.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1960

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE ¹	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
MISSISSIPPI (Cont'd.)										
Pearl City, Bethel, Monterrey in Rankin County	6	9:45 am	10	500	0	0	4	0		Wind and hail
Ripley, Tiptah County	6	5:30 am	5	500	0	0	4	0		Hail and wind
Columbus, Lowndes County	6	1 pm			0	0	4	0		Lightning
										Destroyed police radio antenna.
Buckatunna, Wayne County	9	4:40 pm	5	1000	0	0	4	0		Windstorm
Sunflower, Sunflower County	11	1 pm	-	-	-	-	-	-		Funnel Cloud
Itta Bena S S, Leflore County	11	1 pm	-	-	-	-	-	-		Funnel Cloud
Madison 4 NW, Madison County	11	1:30 pm	Short	Narrow	0	0	3	0		Tornado
										Moved eastward, dipped briefly to uproot trees.
Aberdeen, Monroe County	26	7 pm	10	M 1/4	0	0	5	C		Windstorm
										Began between Prairie and Gibcox communities and moved eastward to 3 miles east of Aberdeen. Sixty horses and 10 other buildings damaged along the path; silo blown over.
MISSOURI										
Dallas County	5	4:50 p.		13				2		Tornado
										Roof was blown off two outbuildings.
Wicks Creek, Camden County	6	12:30 a.	3	30-100				3		Tornado
										Several farm buildings and trees were damaged.
Avia, Christian County	6	12:45 a.	10	50				5		Tornado
										Damage to homes and other farm buildings, stock and power lines, and one new car.
Lone Oak, Pemisoot County	6	7 p.m.						3		Tornado
										One house, farm buildings, and trees were damaged.
Gilman City, Harrison County	16	1:30 a.						3		Tornado
										Farm home and outbuildings three miles northwest of Gilman City were damaged.
Kirkville, Adair County	16	6 a.m.						4		Tornado
										One mobile home was demolished and another damaged. A tile building at a packing plant was blown down and a number of farm buildings were destroyed.
Potosi, Boone Terre, and DeSoto; Jefferson, St. Francois, and Washington Counties	16	2:00 - 3:00 p.						4		Thunderstorm
										At Boone Terre some roofs, trees, and power lines were damaged. Stone windows were blown out, trees, a few power lines and some roofs were damaged at DeSoto and Potosi.
Marshall Area, Saline County	16	3:30 p.						2		Hail
										Hail the size of tennis balls fell in the vicinity of Marshall, and golf ball size hail fell just west of Marceline.
Shelbyville, LaBelle, and Monticello; Lewis and Shelby Counties	16	4:30 p.						4		Thunderstorm
										Numerous outbuildings wrecked, power lines, barns, and some trees were damaged.
Cassville, Barry County	18	6:00 a.						2		Tornado
										Barns damaged, power lines damaged by falling trees.
Brunson, Taney County	18	2:45 p.						2		Tornado
										A canopy was smashed and some trees were damaged.
Mt. Vernon, Lawrence County	19	7:10 p.						3		Tornado
										Damage to buildings, trees, and power lines.
Neosho, Carthage, and Nonett; Jasper, Barry, and Newton Counties	19	8:30 p.-9:00						4		Thunderstorm
										Numerous homes and farm buildings were damaged.
Golden City, Barton County	19	9:00 p.-10:00						4		Tornado
										Homes, power lines, trees, automobiles, barns, and outbuildings were extensively damaged.
Warrensburg, Johnson County	19	10:15 p.						3		Tornado
										Several homes and outbuildings were damaged.
Brookfield, Lim County	19	11:20 p.-11:30 p.	1 1/2	30-40				3		Tornado
										Damage to houses, State Patrol car, trees, outbuildings, and power lines was reported.
Kirkville, LaPlate, Moberly, and Macon; Adair, Randolph, and Macon Counties	19	11:00 p.-12:00 p.						4		Thunderstorm
										Some houses were damaged, trees uprooted, and farm buildings destroyed. At Macon the radio tower of the Highway Patrol was blown over and some barns and outbuildings destroyed.
MONTANA										
Butte (8 miles south), Silver Bow County	16	2-2:30 pm	1/4	70	0	0	3	0		Wind
										Onset wind and squally conditions destroyed a barn. There was some rain or snow at the time.
Saco (16 miles south), Blaine County	16	6:45 p.m.	?	?	0	0	2	0		Line Squall
										S power house destroyed during squall line passage.
Miles City, Custer County	21	Afternoon	?	?	0	0	3	0		Wind
										High wind destroyed a light airplane belonging to an airplane club at Miles City Radar Base. Wind reached 69 MPH in area. It was estimated a stronger gust destroyed the airplane.
NEBRASKA										
Ordale to 30 miles east	3	evening	30	* 4	0	0	4	some		Hail
										Stones size hen's eggs to baseballs but sparse. Crops too small to be badly damaged.
Ashton (2 mi. north)	4	night	spot		0	0	3			Lightning
										Seven cows killed
Leigh (south of)	5	4:30 pm	short	narrow	0	0	3	0		Tornado
										Set farm buildings damaged, most only slightly
Snyder (4 1/2 mi. south)	5	afternoon	small	area	0	0	4	0		Wind
										Set farm buildings hit, some destroyed, others damaged
Weston (east of)	6	unknown	small	area	0	0	3	0		Wind Squall
										Large barn moved 5 ft. from foundation
NE Lincoln	16	early AM	few	narrow	0	0	4	0		Probable tornado
Rumboldt (SW of)	16	2:30 am	short	narrow	0	0	4	0		Tornado
										Barn 40'x60' demolished. Machinery in barn destroyed. Other buildings in vicinity damaged or destroyed.
Rumboldt (west of)	16	early AM	spot	spot	0	0	3	0		Lightning
										Five steers killed. Several appliances in vicinity burned out.
Alliance	18	late morning	spot	spot	0	1	light	0		Lightning
										House struck; woman inside injured.
SW to NE Dundy County	18	3:50 to 4:20 pm	39	*5-11	0	0	4	5 wind		Wind & hail
										Storm moved NE. Ballstones 1 to 1 1/2" diameter. 70% ground covered. Several unconfirmed reports received of funnel clouds.
Near Beverly	18	later afternoon	short	narrow	0	0	3	0		Probable tornado
E-Cent. Frontier Co.	18	6:30 pm	few	narrow	0	0	5	0		Tornado
										Four farms hit, severe damage to buildings.
Frontier County to near Lexington	18	7:30 pm to 8 pm	30	* 10	0	0	5	6(hail)		Wind & hail
										Stones size of marbles to baseballs.
Columbus	18	9 p.m.	few	narrow	0	0	4	0		Windstorm
										Funnel cloud aloft observed, apparently did not touch ground.
Albion	18	9 p.m.	small	area	0	0	4	0		Thunderstorm, wind squall
Hitchcock & Red Willow Counties	18	night	much	of the	0	0	4	5(hail)		Tornado & hail
										Wind up to 74 miles per hour
Ord (12 mi. north)	18	night	short	narrow	0	0	3	0		Wind squall, probably tornado
										One building unroofed, some other bldgs damaged.
West Knox County	18	night	several	sq.mi.	0	0	3	0		Wind squalls, possibly tornado
St. Paul & vicinity	18	night	several	sq.mi.	0	0	3	0		Wind (thunderstorm squalls)
SW Omaha	18	midnight	spot		0	0	3	0		Wind Squall
										Garage wrecked
Falls City (10 NE)	19	6:30 pm	short	narrow	0	0	3	0		Tornado
										Hog shed 12x20 destroyed
Craig (near)	19	night	few	sq.mi.	0	0	4	0		Hail
NE Scotts Bluff Co.	20	4:30-5pm	10	unknown	0	0	0	3		Small hail
										Some sugar beets damaged, stones too small to injure other crops.
Fairway (near)	22	unknown	spot		0	0	3	0		Lightning
										Stacks of baled hay struck and burned

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					KILLED	INJURED	PROPERTY	CROPS	
NEBRASKA (Cont'd.)									
SE Chase County	23	4-5:30 pm	15	* 8	0	0	0	5	Hail Funnel clouds observed aloft. Most hail stones but some up to 2 1/2" diameter.
Kimball (NE)	23	afternoon	few sq.mi.		0	0	light	4(?)	Hail
St. Paul (9 mi. west)	23	night	spot	spot	0	0	4	0	Lightning Barn & machine shed, with some machinery, burned.
Morace (north of)	24	3:00 am	short narrow	roof	0	1	3	0	Tornado Seventy ft. of cement tile torn off power house roof.
Oakbush	24	unknown	short narrow		0	0	3	0	Probably small tornado Airplane turned over, a few windows blown out, and roofs damaged.
Crawford & vicinity	24	early afternoon	few sq.mi.		0	0	3	4	Hail Stones piled up to 6" deep.
Angora (4 mi. east)	24	4 p.m.	short narrow		0	0	4	0	Tornado Touched ground for only a short time. Several other funnel clouds observed.
Bay Springs (south of)	24	5-5:30 pm	16	*2-3	0	0	0	5	Hail Stones small, 1/2 to 3/4" in diameter. Ground covered 1 to 2" in center of storm; moved in an easterly direction.
Butte (SW of)	24	1:30 pm	short narrow		0	0	3	0	Tornado Set of farm kldgs. damaged. Some wind damage also in Butte.
H-Cent, Kimball Co.	25	3:30-4pm	5	* 3	0	0	0	4	Hail Moved NE. Stones small, 1/4 to 1/2" in diameter. Ground covered 1" in center of storm.
Brule (5 mi. west of)	25	4 p.m.	10	* 1	0	0	0	light	Hail Stones small, 1/4 to 1/2" in diameter. Ground covered 1/2 to 1 inch. Some injury to wheat.
Perkins County	25	4-4:15pm	6	* 4	0	0	0	4	Hail Extensive damage limited to two sections.
Crookston (NE of)	25	8:00 pm	6	unknown	0	0	light	light	Hail Stones numerous, up to size of baseballs, but fall over range country.
Moraha (near)	25	evening	few sq.mi.		0	0	0	3	Hail Stones small but numerous. Small garden plants injured considerably; some damage to wheat.
North Platte (20 mi E)	28	3:00 pm	short narrow		0	0	0	0	Funnel Cloud Aloft Did not touch ground.
Dalton-Curley Area	28	late afternoon	several sq.mi.		0	0	light	6	Hail Severe damage to wheat.
NEVADA									
Clark County	21				1		8		Wind Strong, gusty winds capsized a boat, resulting in the drowning of one person.
NEW HAMPSHIRE									
Surry	4	1:30 P.	**400	10	0	0	2	0	Dust Devil Dust Devil traveled from west to east and was in sight about 4 minutes. It lifted storm windows (lying in a pile), branches, bricks, etc., carrying them from 50 to 100 ft.
Woodstock	4	11 A.			0	0	0	0	Dust Devil
NEW MEXICO									
Roswell	19	5-6 pm.					4	0	Wind High winds with gusts to 75 miles per hour damaged a partially constructed shopping center.
Tularosa and vicinity	30	5-7 pm.					5	4	Hail Heavy hail over a 12 square mile area. Property damage to roofs and windows. Major loss in cotton, fruit, grains and alfalfa. Hail stones up to 3/4 inch in diameter.
Mayhill and vicinity	30	pm					3	5	Hail Hail damage to roofs and automobiles. Newly planted vegetables and fruits severely damaged. Hail stones reported up to 2 inches in diameter.
Chaves County, southern	31	3 pm.					0	3	Hail Hail stones reported "almost as large as baseballs".
NEW YORK									
Windsor area (10 miles east of Binghamton)	21	5:30 p.m. - 11 p.m.						4	Heavy rain, thunderstorms Small localized area - cloudburst type rainfall accompanied by thunderstorm. Rainfall amounts of 4 inches or more caused flooding and highway washouts. One tractor trailer swept away. Extensive localized highway damages due to washouts and silt. Several lightning strikes, power failure and flooding to some dwellings and buildings.
Websters Crossing (10 miles north of Dansville, Livingston County)	22	3:35 p.m. - 3:50 p.m. EDT	100-150	surface				4	Tornado (small) Small tornado dipped across a farm, lifted and dipped into Websters Crossing, 2 miles northeast of farm. Direction was from southwest to southeast. At the farm where first touched surface it knocked over trees and damaged some farm buildings. Dipping down into the hamlet of Websters Crossing the storm was observed to have a circular vortex and the noise of a passing freight train, where buildings were damaged and trees uprooted.
NORTH CAROLINA									
Hoke, Robeson Counties	1	3 pm						0	3 Hail Hailstones up to small egg size damaged tobacco plant beds.
Sampson County	8	1:30 pm	*10	25	0	0	4	0	Small Tornado *Skipping path from 8 miles south of Clinton to 10 miles east of Clinton; moved northeastward, touching down only occasionally. Several outbuildings destroyed or damaged, a few trees broken.
Harnett County	12	6 am						0	4 Hail Slight damage to crops of 5 sq.mi. area, mostly tobacco.
Madison County	20	4 pm						4	4 Hail Scattered damage to crops and property over 12 sq.mi. area.
Avery Gates, Hyde, Stokes, Surry Counties	21	3-4 pm						3	4 Hail Scattered damage to crops over 40 sq.mi. area. Slight damage to roofs and automobiles at Mount Airy. Marble size.
Beaufort, Bertie, Martin, Pitt, Washington Counties	23	6-7 pm						4	5 Hail Up to golf ball size; damaged tobacco and corn, roofs and automobiles over 30 square miles, mostly in Pitt County.
Rockingham, Wayne Counties	24	4 pm						0	4 Hail Damage to crops, mainly tobacco, scattered over 6 sq.mi.
Forsyth, Guilford, Rockingham Counties	25	12:15-lam						4	0 Electrical, wind Wind and lightning damaged power and telephone lines, trees, roofs, and autos, mostly Winston-Salem area; gusts to 67 mph at airport.
Brunswick, Caswell, Durham, Henderson, Wake Counties	25	1-3 pm						4	5 Electrical, Hail, wind, rain. Thunderstorms scattered over State caused damage in a few areas. Marble size hail reported 2 inches deep with drifts to 8 inches at Hendersonville; fruit crop damaged.
Anson, Burke, Davidson, Davie, Forsyth, Granville, Guilford, Haywood, Johnston, Randolph, Robeson, Scotland Counties	26	aftn & evening			2	0	5	5	Electrical, hail, wind, rain Lightning killed two young men in separate areas, one driving tractor, one standing in rain near home; two cattle killed in third area, several fires set. Wind, hail and rain damaged crops and property.
Beaufort County	27	10 am	unk	unk	0	1	4	0	Small Tornado Woman hospitalized when house trailer at Pamlico Beach lifted, then dropped several yards away. Two small homes destroyed.
Chatham, Durham, Forsyth, Johnston, Hoke, Lenoir, Polk, Robeson, Wilson Counties	27	early evening						4	5 Electrical, hail Phone lines knocked out, lightning fires set, over a considerable area. Hail damage to crops, mostly tobacco, scattered over areas totaling 50 square miles.
Beaufort, Cleveland, Duplin, Jones, Robeson, Sampson, Wilson Counties	30	3-6pm						4	5 Hail, wind Aircraft damaged by wind at Shelby Airport; widespread damage to crops by hail.
Bertie County	31	early am						3	0 Electrical Lightning struck stable; killed pony and caused fire.

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NORTH DAKOTA									
Ninot	18	1630	5	-	-	-	-	-	Tornado aloft
Edgeley	21	1500	2	-	-	-	-	-	Tornado aloft
Fargo 4 miles southwest	31	2100	-	-	-	-	-	-	Tornado
Fargo	31	2200	-	-	-	3	3	-	Strong wind
OHIO									
Germanstown	20	3:20 PM	100	0	0	4	0	0	Tornado
This storm crossed the southern part of Germanstown uprooting numerous trees, destroying several garages and doing other miscellaneous damage. Twisting action on trees was plainly evident.									
Dayton	20	3:40 PM	-	-	0	0	4	0	Thunderstorm wind
In addition to miscellaneous damage 3 large carnival tents were demolished, large trees fell on several cars and there was structural damage to several buildings.									
The above two localized storms occurred in connection with a squall line as it traversed the state. Lesser wind damage was reported at many other places in the state, including Springfield, Kent, Hamilton, Middletown, Columbus, and Mansfield, and a few lightning fires were started.									
Montgomery	26	2 PM	-	-	0	0	3	0	Hailstorm
Hailstones up to golf ball size fell in a severe thunderstorm breaking many windows, destroying most of a greenhouse roof and denting cars. Hail reported drifted in streets up to a foot deep.									
Dayton, 35 mi West	28	4:50 PM	-	-	-	-	0	0	Funnel cloud aloft
Mansfield 10 mi North	28	5:30 PM	-	-	-	-	0	0	Funnel cloud aloft
Funnel clouds reported by airline pilots.									
Brunswick	30	7:40 PM	4	30	0	0	4	0	Tornado
Heavy rain and strong rotating winds accompanied by hail up to 3/4" diameter caused spotty damage along a path in vicinity of Frances Blvd., Jarrod and James Blvds. of suburban Brunswick. Damage was mainly to garages, house roofs, and trees. One car was turned around in a driveway without causing major damage.									
OREGON									
Northwest Oregon	Most of month				1	0	4	5	Rain
Abnormally heavy rains over much of state and particularly in northwest portion prevent accomplishment seasonal farm work delaying planting and permitting serious weed and insect infestation. Several slides in mountain areas brought on by rain briefly closed some roads, caused death of one construction worker caught in slide at Portland City Water Storage Reservoir.									
Eugene	24	Afternoon			1	0	3	2	Wind
Strong winds blew over brick wall under construction killing one workman.									
PENNSYLVANIA									
Western Pennsylvania	9						4		Rain
Heavy rain caused numerous landslides resulting in extensive property damage.									
Western Pennsylvania	17	Afternoon & Evening			1		5	3	Thunderstorms
In Altoona a boy was killed by lightning while standing under a tree during the storm. In Johnstown hailstones up to 2 1/2 inches in diameter broke 30,000 panes of glass in greenhouses, resulting in \$150,000 damage. At some places in Johnstown hail accumulated to a depth of around 18 inches. Elsewhere hail damaged foliage of trees, plants and crops, but strong winds brought down many trees and power lines. Lightning struck several barns that burned to the ground. Several houses were also struck by lightning.									
Allentown Area	17	Night					4		Thunderstorms
Barn destroyed by fire from lightning bolt.									
Lancaster County	20	Night					4		Thunderstorms
Torrential rain flooded many basements and hailstones the size of golf balls lacerated lettuce, tomato and strawberry plants.									

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PENNSYLVANIA (Cont'd.)									
Uniontown	21	Afternoon					1		Thunderstorms
An 8-year old boy was killed when struck by lightning while working in an open field during the storm.									
Williamsburg	21	Afternoon					3		Thunderstorm
Strong winds accompanying storm ripped off the front of a barn and felled several trees in the area.									
SOUTH CAROLINA									
Dovesville, 3 miles N Darlington County	1	2:00 pm	8	-	0	0	3	2	Hail
Hail 2 to 3 inches in diameter extended 8 miles to northeast. Some damage to trees and cars. Ground covered in spots.									
Dillon, 7 miles north	1	3:00 pm	-	-	0	0	1	1	Hail
Holly Hill, 15 miles south Dorchester County	21	afternoon	-	-	0	0	3	0	Windstorm
Some tornadoic action suspected though not reported. A 20 by 40 concrete block building destroyed. Winds and heavy rains observed that afternoon.									
Spartanburg, 10 miles south and southeast Spartanburg County	25	3:00 pm	-	-	0	0	0	4	Hail
Hail 1 to 2 inches in diameter damaged peaches, between 750 and 1000 acres in an area between Peelet and Woodruff in Spartanburg County.									
Springfield, Orange- burg County	25	2:15 pm	-	-	0	0	0	1	Hail
Hail about 3/8 inch in diameter.									
Sullivan's Island, Charleston County	25	2:50 pm	-	-	0	0	2	0	Windstorm
Plate glass broken trees damaged, power lines interrupted.									
SOUTH DAKOTA									
Extreme northeast	3	A.M.							Snow
Late season snowfall of 3 to 7 inches covered Perkins, Corson and Campbell Counties. Lemmon reported 7 inches. Main roads very slippery and rural roads impassable for about one day. Storm very beneficial to crops otherwise suffering for moisture.									
Mission, Todd County	18	4:10 P.M.							Funnel cloud
Two funnel clouds, one of which briefly touched ground were observed by deputy sheriff a short distance east of Mission. Twister passed over open country with little or no damage to property or crops.									
Pierre, Hughes County and Fresno, Lyman County	18	5 P.M. - 6 P.M.					4		Electrical, hail
A fall of 1.96 inches in less than 30 minutes caused flash flooding in Pierre. About 30 basements were flooded with extensive cave-in damage at one home. One store basement flooded with damage to merchandise. Yards and gardens eroded and cars stalled on flooded streets. Some hail reported in vicinity but damage negligible. Flash flooding from 2 to 3 inches of rain occurred near Fresno, washing out county roads, three bridges and a grain storage bin.									
Roscoe, Edmunds County	24	2 P.M.	3	200			2		Tornado, hail
Tornado touched ground about 7 miles northwest of Roscoe and destroyed small shed near poultry schoolhouse. Movement was southwest to northeast. Funnel clouds were observed in Roscoe-Homer area, near Sureka, Hutchinson County and 30 miles west of Aberdeen same afternoon. Unofficial reports of 4 inches of rain at Homer and some small hail. Some washing of grain fields occurred.									
Ouster, Custer County	24	3-4 P.M.					3		Electrical, hail
Heavy downpour of 2.5 to 3 inches caused flash flooding of a railroad underpass and other low lying streets. Several cars marooned. Lightning bolt struck power substation and cut off power for short time. Hail broke several neon signs and damaged roofs of a few houses.									
East central and northeast	31	9 P.M. to 12 P.M.					5		Electrical, wind, tornado (possible)

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
SOUTH DAKOTA (Cont'd.)										TEXAS (Cont'd.)									
										Fort Worth area, Tarrant Co.	4	7:20 pm	15	500	0	12	5	0	Tornado
										Lake Worth & Saginaw areas.									Mostly N except for last mile when turned E. 8 residences heavily damaged, 5 completely destroyed plus numerous garages & outbuildings; 5 vehicles heavily damaged, power & telephone lines & poles damaged throughout the area.
										3 NE Garner, Farber Co.	4	9 pm			0	0	3	0	Tornado
																			Heavy damage to home, outbuildings & farm implements.
										11 W McKinney, Collin Co.	4	9:30 pm			0	0	0	0	Funnel aloft
										15 SE Fort Worth, Tarrant Co.	4	9:35 pm			0	0	0	0	Funnel aloft
										6 W Hillsboro, Hill Co.	4	10 pm			0	0	0	0	Funnel aloft
																			Moved E.
										8 & E Denton Co.	4	abt 10pm			0	+	4	0	Tornado
																			Damaged homes in Rosebark, Lewisville, Frisco & Prosper area. 64 few minor injuries. During hard rains with hail, strong wind.
										NE Sulphur Springs, Hopkins Co.	4	between 11-11:30pm	short narrow		0	0	3	0	Tornado
																			Destroyed 2 barns & hool shed, 2 other barns damaged. During widespread thunderstorm activity.
										10 E Marshall, Harrison Co.	5	1 am	short narrow		0	0	1	0	Tornado
																			Uprooted trees, overturned parked vehicles.
										Hallsville, Harrison Co.	5	2:24 am			0	0	0	0	Funnel aloft
																			Spring W.
										Electra area, Wichita Co.	5	morning			0	0	4	0	Hail
																			Damaged ground over several miles in 30-minute period, accompanying high wind and rain. Damage to homes, gardens, trees, fruit trees, wheat & grain crops.
										W of Addison, Dallas Co.	5		short narrow		0	0	0	0	Tornado
																			Touched ground briefly on farm.
										NE Carrollton, Dallas Co.	5	10:37 pm	short narrow		0	0	3	0	Tornado
																			Hit a home. First sighted at 9:45 pm as funnel near Lewisville. Accompanying high wind, hail & 1/2" rain in one hour.
										Turkoma, Bowie Co.	6	1:30 am			0	0	4	0	Wind
																			Winds to 60 mph during heavy electrical storm with some hail damage a grainery & outbuildings, blew down power & phone lines & trees. This storm crossed the Texas-Arkansas state line at Turkoma.
										Electra area, Wichita Co.	16	6:08 pm	5	45	0	0	4	0	Hail
																			Ranged in size from pea eggs to pellets, ruined grain near harvest. Trees, flowers, garden crops stripped of leaves, beaten into ground. Many homes, some cars damaged. Accompanying strong wind, 4" rain in 2 hours.
										2 NE Fritch, Hutchinson Co.	17	3:50 pm			0	0	0	0	Funnel aloft
										NE part Carson Co., 28 NE Amarillo	17	3:50 pm			0	0	0	0	Funnel aloft
										Plainview, Hale Co.	17	6:15 pm	4-100	20	0	0	3	0	Tornado
																			Glass blown outward, signs torn up, shop damaged, shed blown down. Moved from S to NE.
										Slide area, Lamb Co.	17	5:45 pm			0	0	0	4	Hail
																			Stones 1/2" to 1-1/2" diameter covered ground, ruined young cotton & near ripened wheat. Accompanying heavy rain.
										Laredo area, Webb Co.	17	night			0	0	0	5	Hail
																			Destroyed maize, corn & cotton crops. Some fields completely ripped out, stones the size of golfballs. Accompanying high winds.
										Carbon, Bastland Co.	18	5:30 pm	short narrow		0	0	0	0	Tornado
																			On ground about one minute 10 SE Slide.
										5 SE Lubbock, Lubbock Co.	18	6:25 pm			0	0	0	0	Funnel aloft
										NE Ringgold, Montague Co.	19	dark			0	0	0	0	Funnel aloft

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1960

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
TEXAS (Cont'd.)										
18 S Henrietta, Clay Co.	19	8:25 pm			0	0	0	0	Funnel aloft	
Moved NE. Winds to 60 mph, no rain or hail.										
Burleson, Johnson Co.	20	3:45 am	1	300	0	0	4	0	Tornado	
Moved from W to NE, damage to roofs & outbuildings.										
Sherman & Denison area, Grayson Co.	20	4:45 am			0	0	5	0	Tornado	
Damage to business buildings & homes, TV antennas, trees in cities of Sherman & Denison, towns of Bella & Tom Bean. At Denison roof blown off furniture company, 3 floors of furniture damaged. At Tom Bean church destroyed.										
33 Greenville, Burt Co.	20	5:00 am	short narrow		0	0	3	0	Tornado	
Small damage to 3 homes, barn & garage damaged.										
Wolfe City, Burt Co.	20	5:20 am			0	0	4	0	Tornado	
Funnel moved at roof height, no indication of touching ground. Business buildings, hospitals, 4 churches, outbuildings, trees, wires & TV antennas damaged.										
N of Bonham, Fannin Co.	20	began 5-5:30 p	4	16	0	1	3	0	Tornado	
Damage to 10 barns, 1 house roof damaged, 2 windows exploded cutting child with flying glass.										
12 E Burlington, Ellis Co.	20	6:30 am			0	0	0	0	Funnel	
At Pettibone, moving NE.										
Ed. Pleasant, Texas Co.	20	6:45 am		25	0	0	4	0	Tornado	
Damaged 3 business plants SW of city; roofs of homes, trees & TV antennas.										
5 W Bryan, Bruce Co.	20		short narrow		0	0	2	0	Tornado	
Did not quite touch ground, damaged roof of house.										
Laredo area, Webb Co.	22				0	0	0	4	Hail	
Caused loss of approximately 300 acres of cantaloup & honeydew melons.										
6 SW Paducah, Gottle Co.	22	5:30 pm	4	40	0	0	4	4	Hail	
Damage to wheat, all row crops, roofs & siding. Average diameter of stones 3", largest 4".										
10 S Bearing Springs, Motley Co.	24	6:27 pm	short	5	0	0	3	0	Tornado	
At Glenn Community 3 houses damaged, a few livestock killed, phone lines down, highway torn up to about 2" deep and 15 feet wide where tornado crossed.										
N. Dallas County	25	5:45- 7:45 pm			0	0	5		Wind	
Moved from W to E, area covered scattered and ill-defined. Accompanying hail, rain, lightning, wind gusts up to 52 mph from 5:55 to 7:55 pm. Heaviest damage at Garland, \$250,000; some scattered light to moderate damage at Garrettsville.										
Stanford area, Jones Co.	26	after			0	0	0	5	Hail	
Accompanying high winds, heavy damage to grain crops and cotton.										
Dennison, Brown Co.	26	evening			0	0	5	0	Electrical	
During heavy thunderstorm lightning struck city auditorium which was destroyed by fire.										
4 W Canyon, Randall Co.	28	4:05 pm	short narrow		0	0	0	0	Tornado	
Two funnels sighted moving NE, alternately on ground about 20 minutes in open country.										
5 SW Canyon, Randall Co.	28	4:08 pm	short narrow		0	0	3	0	Tornado	
Moved N; stock corrals & a windmill destroyed on a farm.										
NE of Spede, Lamb Co.	28	4:25 pm			0	0	0	0	Funnel aloft	
Moved NE.										
5 NE Littlefield, Lamb Co.	28	4:30 pm			0	0	0	0	Funnel aloft	
Moved SW.										
6 W Shawlwater, Lubbock Co.	28	after			0	0	0	0	Funnel aloft	
Moved NE.										
16 E Canyon, Randall Co.	28	abt 5 pm			0	0	0	0	Tornado	
Open country, during heavy thunderstorm.										
TEXAS (Cont'd.)										
Temple, Bell Co.	29	abt 8 am	short narrow		0	0	2	0	Tornado	
Did not touch ground; dipped down & damaged roof & TV antenna.										
Big Spring, Howard Co.	30	6 am			0	0	0	0	Funnel aloft	
During heavy thunderstorm preceded by high winds and heavy dust.										
Frankall City, Andrews Co.	31	7 pm	short narrow		0	0	3	0	Tornado	
Hit and overturned trailer house.										
Wink, Winkler Co.	31	7:30 pm			0	0	0	0	Funnel aloft	
Moved NE during heavy storm.										
V of Karnit, Winkler Co.	31	abt 7:45p			0	0	0	0	2 Funnels aloft	
During heavy rain and hail storm.										
Midland area, Midland Co.	31	began 7:30-9pm			0	0	0	0	Funnel aloft	
During severe electrical storm.										
Winkler & Ward Counties	31	7:20 to 9:40 pm	40 to 415 to 50 #20		0	0	5	0	Hail	
Moved from NW to SE. Average diameter of stones 5", largest stones 7" to 8". Cities hardest hit by hail were Mesabam & Wink. At Wink hail fell for nearly an hour. Roof, windows, autos, awnings, north side of buildings badly damaged. Winds of 50 mph with gusts to 95 mph at Mesabam, accompanying heavy rain, much lightning.										
Mesabam, Ward Co.	31	9 pm	short narrow		0	0	3	0	Tornado	
Damaged filling station and furnishings.										
Mesabam area, Ward Co.	31	abt 9 pm			0	0	0	0	Funnels aloft	
Several funnels aloft during heavy storm.										
Gores, Knox Co.	31	abt 11:45p			0	0			Tornado	
On ground approximately 4 minutes.										
UTAH										
Salt Lake County	21	10:16 AM			1	3			Wind	
A light airplane was overturned by the wind after landing at the Salt Lake Municipal Airport. One person was injured.										
VIRGINIA										
North and Central Piedmont Counties & Tidewater	17	Afternoon & Early Night	-	-	0	?	5°	0	Tornado and Thunderstorms	
Thunderstorms were widespread along and to the east of a line from Norfolk northwest to Louisa County, north to Madison County, then northeast to Fairfax County; they occurred in all counties included in and east of this line and some of these thunderstorms reached severe proportions. Damage was widespread from wind, hail, and lightning and torrential downpours. Hail of 3/4 inch diameter was common and was reported up to 1 inch in Hanover County and 1-1/2 inch in Louisa. Crop damage was spotty but widespread and many fields were clasped a total loss. Some utility lines were downed in all these counties along with trees uprooted and other scattered wind damage to structures. Madison County was hardest hit. Lightning started a fire that destroyed a \$75,000 building in Fauquier County and lightning killed 10 head of cattle in Calpeper County. Also a series of tornadoes aloft (or funnel clouds) were sighted from Orange County and northeast to Fairfax County. A tornado was reported in Madison County to have demolished a barn and numerous other structures and unroofed a number of houses. Wind damage was widespread in Madison County.										
Central and Northern Piedmont; Northern Tidewater	21	Afternoon & Evening	-	-	0	0	?	5	Scattered Thunder- storms	
Scattered thunderstorms, some locally severe, caused damage from lightning, wind and hail. Hardest hit by hail was a 17 mile strip in Richmond County where hail up to 1 inch in diameter stripped fields with total crop damage there estimated \$200,000. More hail damage was reported in nearby Essex County. High winds in Orange County took down trees along a path about 1/2 mile wide and 5 miles long. Thunderstorm winds also uprooted trees and knocked down utility lines in west Henrico, Fauquier, eastern Caroline and Essex Counties.										
Rappahannock County	22	6:15 PM	-	-	0	0	?	?	Thunderstorm	
3/4 inch hail and wind in gusts to 55 MPH.										
Tidewater Counties	23	1:45 PM	-	-	0	0	?	?	Thunderstorms	
Hail 1/2 to 3/4 inch reported Isle of Wight and York Counties and in Warwick area, along with high winds and heavy rain.										
Mecklenburg County	25	Late Afternoon	4	-	0	0	?	?	Thunderstorm	
Destructive winds and hail combined to cause substantial damage in a small area near Union Level, destroying 2 barns, damaging other buildings and flattening crops.										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1960

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					KILLED	INJURED	PROPERTY	CROPS	
VIRGINIA (Cont'd.)	26	Afternoon & evening	-	-	0	0	?	?	Widely scattered thunderstorms
Statewide	In Roanoke County heavy rains caused some localized flooding. Hail reported 1 inch in diameter and some trees uprooted from high winds, and in falling, damaged several automobiles and nearby homes. Hail over 2 inches in diameter reported in Covington where heavy rains flooded basements and caused washouts in streets. Some trees downed. Some scattered hail and scattered uprooted trees with minor damage reported in Henrico, Hanover, and King William Counties.								
Roanoke	27	4:30 PM	-	-	0	0	5	0	Thunderstorm
Torrential downpour flooded streets, bringing traffic to a standstill and flooded many basements in downtown business firms. Lightning set 2 fires causing about \$3,500 additional damage.									
Central Piedmont & Tidewater	30	Late afternoon	-	-	0	0	?	?	Scattered thunderstorms
Heavy hail up to 1 inch in diameter fell on much of Henrico, Hanover and Nottoway Counties. In upper King & Green County, hailstones of 3 inch diameter were reported. In the Norfolk area, considerable hail fell but size there was no more than 1/2 inch. Widespread crop damage resulted and considerable glass breakage accompanied the largest stones. Numerous trees were downed and some scattering of damage to dwellings occurred. Some flash flooding was reported in Nottoway County.									
WASHINGTON	20	Afternoon				1	2		Lightning
Kirkland	Two residences were damaged and one person was injured by lightning.								
Olympia	24	2-3 p.m.				1	3		Thunderstorm
Several residences were damaged and one person was injured by lightning in the vicinity of Olympia and Lacey. Moderate to heavy rain occurred with the thunderstorm.									
Okanogan Valley	24	1 p.m.					3		Thunderstorm
Lightning and heavy rain caused a number of telephone and power outages in the Okanogan Valley.									
WEST VIRGINIA	17	2:00 PM to 5:00 PM					3		Hail and lightning
Clarksburg and vicinity	Roofs of residence and three farm buildings near Clarksburg cut up by hail and farm crops said to have been "chopped to pieces". Lightning strikes in Clarksburg caused two power failures in newspaper office.								
Parsons and vicinity	17	4:00 PM to 4:30 PM					4		Hail, rain, wind and lightning
Hail the size of ping pong balls did considerable damage to roofs, windows, storm doors and gardens. Several thousand pieces of leather in leather plant damaged by hail and rain coming through roof extensively cut up by hail. Electrical power failure caused by lightning strike and by broken wires resulting from tree blown down by wind falling on power lines.									

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
WISCONSIN	6-7							5	Heavy Rain
Southern, Central, and Eastern Counties	Heavy rains resulted in considerable flooding, particularly in the northeast and along the central part of the Wisconsin River. Damage mainly limited to summer cottages, flooded basements and roads. A major problem developed in the area north and east of Fond du Lac where rising water either lowered the efficiency or temporarily stopped the operation of sewage plants.								
Milwaukee	8	1032-1039 C							Funnel Cloud
East of Milwaukee over Lake Michigan.									
Madison 40 NW	21	1710 C							Tornado
Fond du Lac 20 W	21	1714 C							Tornado
Touched ground on farm near Fairwater. Traveling NE. No material damage.									
Oshkosh 15 W	21	1730 C							Unconfirmed Tornado
La Crosse 18 ENE	27	1600 C							Funnel Cloud
La Crosse 23 ENE	27	1610 C							Funnel Cloud
WYOMING	24	2:30 p.	?	?	0	1	4	0	Tornado
Six miles west of Red Bird	A small tornado upset and destroyed two trailer houses. A man asleep in one of the trailers was injured.								
Tennyson	29	5:55 p.	?	?	0	0	0	2	3/4" hail

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

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* 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.