

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
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STORM DATA

APRIL 1961

Volume 3 No. 4



ASHEVILLE: 1961

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1961

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, Mobile County	3	3:45 p.			0	0	4	0	Wind
Winds with gusts of more than 60 mph uprooted trees, blew down power lines and damaged numerous roofs in Mobile and the surrounding area.									
Coffee, Pike, Barbour Counties	9	9:30-10:40 a.	60	?	0	0	5	0	Tornado, wind
Tornado or high winds struck in extreme north portion of Coffee County moved east northeast across southeast portion of Pike County, then across Barbour County to Eufaula. Scattered damage to trees, rural buildings and utility lines.									
Bessemer, Jefferson County	15	4:10 p.			0	0	3	0	Hail, wind
Hail, some as large as golf balls, fell for about 5 minutes in and around Bessemer. Gusty winds estimated at 60 mph caused some minor damage. No damage of consequence due to hail.									
Pike County	27	9:00 a.	?	narrow	0	2	4	0	Tornado
Tornado touched down briefly demolishing one house and injuring two persons then moved northeast damaging three other houses.									
ALASKA									
No report received by printing deadline.									
ARIZONA									
None reported									
ARKANSAS									
Woodruff County	14-15	9:00 p. to 10:00 a.	10	* 10	0	0	6	4	Hail
A series of hail storms over northern half of Woodruff County. Stones from 1/4" to 1-1/2" in diameter reported. Principal property damage was to roofs in the towns of Augusta and McCrory and in the area between. Crop damage was to strawberries.									
Lincoln and Deaha Counties	16	7:15 a. to 7:20 a.	25	* 1	0	0	4	3	Hail
Hail occurred over a path from Tyro, in Lincoln County, east-northeastward to Padletton in Deaha County. Stones averaged 1" in diameter with some as large as 1-1/2" reported. Considerable damage to roofs and automobiles. Some damage to airplanes at the Dumas Airport. Slight crop damage including small tomato plants.									
Monroe County	16	10:00 a. to 10:05 a.	15	* 10	0	0	7	7	Hail
Storm extended across Monroe County from Clarendon to Brinkley. Stones averaged 1-1/2" in diameter with some to 3" in diameter. Only slight and scattered damage reported.									
Walnut Ridge, Lawrence County	26	2:00 p. to 2:10 p.	---	---	0	3	5	2	Wind
The storm was confined to the western and northern portions and the area one mile to the west and three miles to the north of the City. It moved from west to east. Wind gusts to 66 miles per hour were observed at the Walnut Ridge Airport. There was extensive damage to buildings, roofs, signs, windows and shade trees. Small hail, with stones to 1/2" in diameter was reported, but it caused little damage.									
Lonoke County	26	2:30 p. to 5:30 p.	18	* 12	0	0	4	0	Wind, hail
The storm moved from west to east across the County from Lonoke to Carlisle. There was extensive damage to roofs, windows, utility lines, signs, antennas, trees and shrubs. Hail of various sizes occurred. At several points, the ground was covered to a depth of about 1/2 inch. Wind driven hail caused damage to roofs, windows, trees and shrubs. No crop damage was reported.									
Little Rock, Pulaski County	26	2:54 p. to 3:00 p.	---	---	0	5	6	0	Wind, hail
The storm formed just to the west edge of the City and moved southward. A gust with a velocity of 69 miles per hour was observed at Adams Field in the east portion of the City. Damage was almost entirely confined to the Cities of Little Rock and North Little Rock with the greatest concentration of damage in the western and central sections of Little Rock. There was extensive damage to the State Capitol Building and to other buildings in the area, as well as to roofs, signs, windows, antennas and trees over a much larger area. Hail accompanied the storm. Stones were mostly small but some as large as 3/4" in diameter were reported. The ground was covered in some sections of the west-central section of the City. Hail was sufficient to strip leaves from trees in some areas.									
ARKANSAS (Cont'd)									
Jonesboro and Bettleton, Craighead County	26	2:46 p. to 3:08 p.	3	* 1	0	6	5	0	Wind, hail
The storm moved southeastward across the northern and eastern portion of the City of Jonesboro and extended to the suburb of Bettleton. Principal damage was on the campus of the Arkansas A&M College where the roof of the Field House was blown off and the roof was blown off the "press box" on the athletic field. There was extensive damage to roofs, signs, antennas, utility poles and trees and shrubs along the path of the storm. Hail stones to 5/8" in diameter. Blowing hail caused considerable damage to roofs and windows.									
Cross County	26	3:00 p. to 4:30 p.	?	?	0	0	6	4	Wind, hail, rain
Wind and hail storm moved from west to east across the southern half of Cross County. Principal damage was in a ten mile wide strip to the east of Wynne. There was considerable damage to houses, farm buildings, utility poles and lines. Hail with stones up to 1-1/2" in diameter caused damage to strawberries, peaches, apples and grapes. There was some local damage from water in the business district of Wynne.									
Jefferson County	26	4:30 p. to 5:15 p.	?	?	0	0	5	0	Wind, hail, lightning
The storm moved from northwest to southeast. Scattered wind damage over the County with area of principal damage extending from about five miles west of Pine Bluff across the northern portion of the City, and in the Altheimer area on the north side of the Arkansas River. There was extensive damage to roofs, signs, utility lines and trees. Hail occurred but only 1/2" stones were reported.									
Benton and Washington Counties	30	8:00 p. to 10:00 p.	?	?	0	0	4	5	Hail, wind
Hail and wind storm in Southern Benton and Northern Washington Counties with principal damage between Highfill in Benton County and Tontitown in Washington County. Hail with stones to 5/4" in diameter caused extensive damage to grapes and other crops. Wind destroyed a trailer house and some out-buildings in Northern Washington County, near the intersection of State Highways No.'s. 68 and 112. Hail also caused considerable damage to roofs and windows.									
Johnson County	30	10:00 p. to 11:30 p.	?	?	0	0	4	5	Hail
Principal damage in the area between Woodland and Luding where most of peach crop was badly damaged. There was scattered damage in other areas. There was also considerable roof and window damage. Stones averaged 3/4" in diameter.									
CALIFORNIA									
Central California	22-24				0	0	3	6	Frost, wind, lightning
Freezing temperatures damaged grapes, fruits, and nuts in various parts of Central California, especially in the Napa, Sonoma, and Santa Clara Valleys. Wind and lightning resulted in numerous power failures, some lasting throughout the night of the 22nd.									
COLORADO									
Southwestern Colorado	7	1:30PM			0	0	4		Wind
A windstorm in the vicinity of Cahone in Dolores Co. did extensive damage to a bean guanoet building. Roofs were torn from a few buildings and windows, signs and TV antennas were broken.									
Southeastern Colorado	13	1:00PM			0	2	4		Wind
Strong wind overturned a truck and a trailer home, 16 miles north of Walsenburg. The trailer was demolished. Two people were injured in Pueblo by wind-driven doors. They were treated for cuts and bruises at the hospital. An unconfirmed report of a tornado funnel in Kiowa County at 4:00PM was received.									
Northeastern Colorado	25	All day			0	0	4		Wind
Damaging wind in southeastern Wyoming and northwestern Nebr., swept across parts of northeastern Colorado doing some damage to newly planted crops. In the Greeley factory area, it is estimated that 600 acres of sugar beets will have to be replanted. Some property damage was also reported.									
CONNECTICUT									
Greenwich, Milford, Fairfield, Stamford, Darien, Norwalk, Bridgeport; Fairfield County	12	AM			0	0	5	0	Wind, Tide, Rain
High tides, rain and gusts which reached 60 mph in Greenwich and 70 mph at Bridgeport caused severe flooding along coastal sections.									
Ellington, Tolland County	26	11:15a			0	0	3	0	Tornado
A small tornado moving from the northwest demolished the metal roofs of two 40 foot concrete silos. No other damage was noted.									

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS		
DELAWARE New Castle, New Castle County	28	4:45 - 4:46 PM	1/4	30	0	0	4		Tornado	
									Small tornado demolished a 13-inch thick wall of a warehouse building, large doors were ripped from the warehouse and deposited two blocks away, roofs were damaged on six homes, etc. Funnel cloud was observed, and roaring noise like a diesel engine of a freight train was reported.	
FLORIDA										
Panacola Escambia Co.	3	4:50 p.	—	—	0	0	—	—	Waterspout	
Jacksonville Beach Duval Co.	9	4:50 p.		Narrow	0	0	4	—	Tornado	
									Tornado lifted and lowered along southwest to northeast path.	
Elkton St. Johns Co.	9	5:00 p.	4	200	0	2	4	—	Tornado	
									Tornado moved from west to east.	
Panacola Escambia Co.	11-12	During Night	—	—	0	0	5	—	Wind	
									Strong winds and wave action accompanying squall greatly damaged pile driver, barge and fishing boats in harbor and numerous homes on Santa Rosa Island.	
St. Cloud Gadsden Co.	12	4:15 p.	15	100	0	1	4	3	Tornado	
									Storm moved northeastward from Lake Tohopekaliga across Kissimmee Park then eastward across south edge of St. Cloud.	
Jacksonville Duval Co.	12	11:05 a.	—	—	0	0	—	—	Waterspout	
Pt. Myers Beach Lee Co.	28	9:30 a.	—	—	0	0	—	—	Waterspout	
GEORGIA										
Dougherty, Worth and Tift Counties	3	7:00 p.	?	?	0	2	4	3	Tornado	
									What was believed to be a tornado alternately dipping near the surface and lifting caused damage along a west to east line in sections of three south Georgia counties. Roofs were damaged, trees uprooted and utility lines blown down. A house trailer was damaged and houses twisted from their foundations. Two children were cut by flying glass in Albany.	
Appling County	3	pm		Short Narrow	0	0	3	0	Tornado	
									A tobacco barn was demolished, a pump house destroyed and trees twisted off when a small storm hit in two sections of rural Appling County. Witness reported seeing funnel. Storm moved eastward.	
Savannah	3	10:30 p.		Short Narrow	0	0	3	0	Tornado	
									Service station damaged and trees uprooted in south part of City. Moved eastward.	
Lumpkin, Stewart County	9	11:10 a.	3 1/2	300	0	0	4	0	Tornado	
									Three homes and one business firm unroofed on southeast edge of town. Trees twisted off. Roaring sound reported and funnel cloud observed. Moved NE.	
Hawkinsville, Pulaski County	9	1:30 p.		Short	100	0	0	3	0	Tornado
									Two homes and two barns damaged and trees uprooted. Moved E.	
Savannah	9	6:00 p.	?	?	0	0	4	0	Tornado	
									Believed to be a tornado just above surface. Loud roar reported and several plate glass windows blown outward. Trees uprooted and other minor damage. Storm moved E. Heavy rains fell over most of State as storm producing squall line moved through.	
Grady County, 3 miles SE of Whigham	12	7:00 a.	1/4	150	0	0	3	4	Tornado and rain	
									Heavy wind damage to several farm buildings and extensive damage to young crops by wind and very heavy rains. Unofficial measurements of 5 inches of rain in less than one hour.	
Dougherty County	12	7:10 a.							Funnel Cloud	
									Funnel cloud reported 12 miles west of Albany by Eastern Airlines.	
Coffee and Bacon Counties	12	8:00 a.	?	?	0	4	4	0	Tornado	
									Storm hit in east Coffee County and about three places in Bacon County. Heavy local damage to residences and farm buildings. Four persons hurt in Bacon County when home was wrecked. Heavy damage to utility lines and trees. Moved eastward.	
Savannah and Savannah Beach	12	10:00 a.	?	?	0	0	4	?	Tornado	
									Trees uprooted and dairy barn partially unroofed. Several houses and police radio antenna damaged at Savannah Beach. Damage was also reported on Blackbear Island to the south. Moved eastward.	
GEORGIA (Cont'd.)										
Southern Counties	12	am			0	0	4		Wind and rain	
									High winds and extremely heavy rains caused widespread damage to property and young crops in several south Georgia counties. Heaviest crop damage was to tobacco and young vegetable plants. Flash flooding resulted in several places from heavy rains. Areas especially hard hit were Tift, Wayne, Thomas, Brooks, Lowndes, Irwin and Long Counties.	
South Central	15	Early am			0	0	6	6	Hail, wind and rain	
									Golf ball size hail, high winds and torrential rains hit several south central counties during early morning hours, causing heavy damage to roofs, automobiles, roads, fields and young crops. Some areas experienced a second hail storm later in the morning. Heaviest hail damage was in the Pelham area of Mitchell County and in northern Lowndes County. Extensive hail, rain and wind damage also reported in Colquitt, Thomas, Tift, Brooks, Cook, Berrien, Lanier and Clinch Counties. 90 percent of residences and business buildings suffered hail damage in Pelham. Young tobacco, cotton and vegetable plants heavily damaged over wide areas by wind and rain, requiring much replanting. Several other parts of State had damage from heavy rains.	
Sumpter County	15	5:30 a.	4	300	0	0	4	3	Tornado, hail and rain	
									Scattered damage along 4 mile path southeast of Americus. Several farm homes damaged and other buildings demolished. Many trees uprooted. Torrential rain and hail accompanied storm. Moved north-east.	
Ben Hill and Irwin Counties	15	8:30 a.	?	?	0	1	5	5	Tornado, hail and rain	
									Storm hit in Beattie Lake section of Ben Hill County with damage also reported in Irwin County. One man injured slightly when roof of welding shop caved in. Heavy damage to homes, barns and other farm buildings. Most of crop damage caused by hail and heavy rains. Storm moved eastward.	
HAWAII										
Hamakua (NE) Coast, Island of Hawaii	2-3				0	0	6	5	Thunderstorms, torrential rains	
									Severe and extensive road washouts; roads buried beneath mud; severe erosion; sugar cane scouted out; flumes and ditches destroyed; power lines and water lines damaged, broken.	
IDAHO										
Most of state	12 1/2 - 13						3	4	Wind	
									Car overturned by wind and demolished east of Richfield on 12th. Sandstorm near Mountain Home afternoon of 13th resulted in traffic accident involving 4 passenger cars and a truck - 3 persons injured. Dust and sandstorms both afternoons resulted in temporary closing of several stretches of highway in southwestern and eastern sections of State. Damage to buildings and power lines near Lewiston and in eastern sections on 13th with gusts to 52 mph reported at Lewiston Airport and 60 mph at Idaho Falls.	
ILLINOIS										
Northeastern Illinois	16-17	All day into night			5	14	5	0	Heavy, drifting snow	
									5 to 8 inches of snow with drifts over 6 feet at some locations stalled thousands of automobiles stranding their occupants overnight in homes, gasstations, armories, roller rinks and other makeshift shelters. Numerous accidents resulted from the blinding storm with one person killed in LaSalle, one in Bloomington and three in Chicago. Three persons also died shoveling snow.	
Northern Illinois	20	Afternoon - night			0	0	5	4	Thunderstorms, rain, winds, lightning	
									Numerous thunderstorms moving across northern Illinois caused scattered local wind damage to buildings, trees and utility lines mainly in the vicinity of Rock Island, Rockford and Chicago. 5 fires were set by lightning in Rockford which also had local flash flooding.	
Lorenzo-Wilmington-Symerton-Wilton Center-Feetone-Beecher, Illinois to Lowell, Indiana	23	3:45 to 4:35 p plus	40	narrow	0	4	6	4	Tornado, Hail	
									Tornado moving on an easterly track demolished 7 homes in Lorenzo, toppled a trailer truck at Wilmington, damaged many homes and farmsteads at Symerton and Wilton Center. At Feetone damage was done to 600 homes by the tornado and accompanying hail. One hailstone was unofficially reported to be 6 inches in diameter. 21 aircraft at Feetone airport were riddled by hail, many damaged beyond repair. A house trailer was rolled injuring 4 occupants. The tornado seemed to lift in the vicinity of Beecher dipping down again in the vicinity of Lowell, Indiana where additional damage was done.	
Joliet	23	3:50 p			0	0	7	4	Hail, high winds	
									Hailstones from golf-ball size up to 3 inches in diameter accompanied by high winds and heavy rain damaged about 25,000 homes and 5,000 other buildings causing an estimated 9 million dollars in property damage.	

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS						
ILLINOIS (Cont'd.)										IOWA (Cont'd.)														
Savanna	23	1:10 p			0	0			Funnel cloud, hail	Leon to SS Bloomfield	23	8:25a.	50	600	2	6			Tornado					
Manteno	23	4:00 p			0	0	5	4	Hail, high winds										2 funnels reported at Alleffton. Tornado temporarily a water spout SW of Bloomfield as pond was sucked dry by tornado, moved eastward about 50 mph.					
Kinderhook-Winchester-Waverly to SW of Springfield	24	7:30-9:00 p	75	narrow	0	3	5	4	Tornado, hail, lightning	NW Marshall County to east of Monticello	23	10:15a.	120	800	6	6			Tornado					
									Tornado moving on an easterly track at about 42 mph lifted and destroyed shed near Kinderhook. It passed over Winchester at 8:13 pm damaging or destroying numerous buildings and injured 3 persons. Funnel was accompanied by heavy lightning which set fire to barn at Waverly. Tornado dissipated southwest of Springfield.										One or more funnels were sighted at St. Anthony, Marshalltown, Dysart and Monticello. Apparently a discontinuous tornado path or a series of tornadoes associated with the matrix cloud that also produced high winds and hail moved 50 mph eastward. Damage at Marshalltown estimated at \$1,000,000.					
47 miles east of Springfield	24	8:20 p							Funnel cloud not touching ground	Marshall Co. thru Jackson Co. into Illinois	23	10:15a.	140		2	7	6		Hail and windstorms					
Pulaski and Alexander counties	25	1:00-2:30 p	20	3,500	0	0	5	5	Hail, high winds										The matrix cloud which produced tornadoes also produced high winds, to 100 mph, and hail to 3 inches in diameter over a zone 20-40 miles wide from Marshall to Jackson Cos. in Iowa with some damage adjacent to this tier of counties. In northwest Jones County hail drifted to a foot deep in some localities. Hail loss 50%, Wind loss 50%.					
INDIANA										5S Waterloo to Dubuque														
Northern	16				0		4	0	Snow, wind	Burlington	23	6:35p.	90		6	5			Windstorm with hail					
									A late spring snow storm which piled snow into 10-foot drifts and closed roads in the five counties of Newton, Jasper, Benton, Warren and Tippecanoe. Several hundred cars were abandoned as travelers took shelter in nearby farm homes, schools, churches, and hotels. Fifty motorists between Francesville and Brookston where railroad tracks parallel US road 421 were rescued by a special train consisting of an engine and two cabooses. Most rural schools were closed on the 17th. Warm temperatures melted the snow rapidly on the 18th.												60% of loss and the injuries associated with wind.			
Lowell, from Illinois line west of Lowell to Shelby and Roselawn	23	4:37 p.	16+ Ill.		0	0	4	0	Tornado, hail	KANSAS Coffey County, North of Burlington.	7	5pm-5:05pm							Hail					
									This tornado is probably a continuation of the Lorenzo-Beecher tornado in Illinois although a direction change from eastward to southeastward is indicated. Damage in Indiana was noncontinuous from the intersection of roads US 41 and Ind. 2 to Shelby and Roselawn. A number of farm buildings were damaged and 30 billboards were blown down on US 41 north of Schneider. Hail attained golf ball size and one inch depth between Schneider, Lowell and Illinois line. Hail damage to roofs and windows was most extensive in Schneider. A man near Lowell observed that the hail preceded the tornado by a few minutes. Losses were about equally divided between hail and tornado.												Hail stones 2 inch in diameter covered the ground to a depth of 4 inches along Highway #75 from Burlington to the north side of Coffey County. Some roof damage.			
New Harmony, Posey County	25	2:25 p.			0	0	3	0	Hail	Morris County	8&9	Both days							Cold rain and snow.					
									Minor damage from hail of marble to golf ball size.										Approximately 150 head of young stock recently put out on pasture died from exposure to cold rain and snow.					
Shelbyville to Eaton, Ohio	25	2:27 p.-3:56 p.	60+ Ohio	200-900	0	7	6	0	Tornado, 3 funnel clouds	Bourbon County near Fulton	11	7:00pm			1				Electrical					
									Several people traveling on roads four miles north and northwest of Shelbyville saw as many as four tornado clouds. One was seen to lift and carry a loaded truck 25 feet. Apparently this tornado then traveled to Eaton, Ohio in about 89 minutes, an average speed of 46 miles an hour. The path of destruction was about 200 yards wide initially and later was as wide as 1/2 mile but discontinuous in some areas. Numerous homes and buildings destroyed or damaged were in or near such towns as: Arlington, Gings, Harrisburg, Waterloo, Boston and Eaton, Ohio. Three injuries resulted from the upsetting of trucks three miles north of Rushville. In addition, three people were injured in a house near Boston, one person seriously. Many people reported hearing, seeing the tornado, and then taking shelter. Some pictures were taken of the tornado. The American Red Cross reported county losses as follows: Shelby--10 houses destroyed, 11 houses badly damaged, and 21 barns destroyed. Rush--about 15 houses badly damaged. Fayette--3 houses and 2 mobile homes demolished. Wayne--2 houses and mobile home destroyed. Tornado losses in Ohio are reported in Ohio data.															A boy was injured when lightning struck the fence near which he was walking.
Madison	25	3:31 p.			0	0	4	0	Wind	Bourbon County	20	7:00pm-8:30pm							Electrical and 2 funnel clouds.					
									High winds damaged a restaurant, barn, police cars, trees, power lines, and TV antennas.										Quite severe thunder storms occurred over Bourbon County with lightning that caused 3 barns to burn west and south of Fort Scott, and 2 funnel clouds in the western part of the county.					
IOWA										Anderson, Linn and Allen Counties														
Montezuma	20	7:40a.							Hail		21	5:30pm-6:30pm			5				Heavy hail, severe winds and tornado.					
Richland Twp., SW Adair County	20	3:30p.	3	100				4	Tornado & Hail	Saline County, near Salina	21	11:35pm-11:40pm							Heavy hail with the largest stones ranging in size from walnuts to baseballs fell at Westphalia, Bush City, Selma and Kincaid in Anderson County preceding the tornado which struck in the Selma-Kincaid area, 6:00pm to 6:05pm. Hail damaged area was about 2 miles wide and 4 miles long, SW to NE. Main tornado damage was in a path 50 yards wide and 6 miles long. The funnel continued aloft east to within 3 miles of Mount City. One farm house was destroyed, 2 badly damaged, and 8 barns were blown down. Many trees were uprooted and power lines broken. Attending severe winds also caused much damage.					
Central Taylor Co. to eastern Davis Co.	23	6:30a.	130					6	Hail and Windstorms	Shawnee County Forbes Airforce Base	22	12:55am			4				Severe wind and large hail.					
									80% of the damage from hail. 3 inch hail at Mystic and Bloomfield. 6 mile swath of hail accumulated 2 inches deep at Bloomfield.										Principal damage by severe north wind was at the Forbes Airforce Base where the roof of one of the barracks was torn off. Some scattered wind damage was reported in Topeka. Occasional large hail caused some roof damage southwest of Pauline.					
										Neosho County, 2 1/2 miles west of Kimball														
										South Central and Southeast Kansas														
										24-25														
										2:30am														
										5:00pm-2:00am														
										4														
										1														
										4														
										1 Tornado, 2 funnel clouds, 4 severe hail, 6 highwinds, 3 electrical.														
										Severe thunder storm conditions prevailed over the counties south and east of a line from Summit to Linn County. Heavy hail and severe wind struck in and near Fredonia, 5:00pm-5:10pm. Covering a path several blocks wide through town, windows were broken roofs damaged by the hail, and wind broke trees, unroofed a few houses and blew over sheds and barns. One girl was injured by flying glass.														
										At 6:40pm-6:45pm a tornado struck the village of Prescott in Linn County. Path was toward the northeast and extended through town then lifted and came down about 2 1/2 miles further northeast. Trees several small buildings and the roof of the high school building were damaged. About 1 1/2 miles of power and transmission lines were														

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KANSAS (Cont'd.)									
									blown over. There was also some roof damage by hail. Several farm plants northeast of town were damaged quite severely. Tornado damage path was about 3 miles long and 300 yds wide. Hail losses covered about 6 square miles. Some stones were 1 inch in diameter.
									From 9:30pm till about 11:00pm various hail and severe wind damages were reported from southern Sumner County where winds were estimated at 80-100mph; in southern Wilson County where heavy hail caused damage; much of Montgomery and part of Labette Counties suffered damage from both hail and high winds; Between 11:00pm and 2:00am of the 25th the storm affected Cherokee, Crawford and Bourbon Counties. Two funnel clouds were sighted near Pittsburg, winds damaged buildings, trees, and power lines from Weir to Cherokee and lightning struck 3 places. Numerous hail loss claims paid in Harper, Sumner, Wilson and Allen Counties.
Seward County, Northwest of Liberal	26	7:54pm							2 Funnel clouds. Funnel cloud first appeared about 15 miles northwest of Liberal, moved slowly southeast for about 2 minutes and dissipated. A second funnel lasted only a few minutes. Funnels were approximately 5,000 feet above ground.
Kingman and Harper Counties	29	---							Hail A large number of hail claims were reported from these two counties.
Southeast Kansas, 7 extreme southeast Counties	30	4:00pm-9:00pm			1				Heavy rain, hail, high winds, and electrical. Heavy rain resulted in flash floods, blocked highway and a number of automobile accidents. One person was injured. Local hail and severe winds were reported from numerous localities. Hail stripped the leaves from trees and damaged roofs, some stones were 1 inch in diameter. Lightning strikes were responsible for power line and telephone service failures. Coffeyville, Independence, and Pittsburg were most seriously affected by this storm. Numerous hail damage claims were paid in Kingman, Harper, Reno, Sedwick, Sumner, Cowley, Neosho, Crawford and Cherokee Counties.
Cowley County, 3 miles west of Maple City	30	5:10pm	1/2	100					Tornado and funnel cloud. Two funnel clouds were observed, one of which came to earth and caused minor damages along its short path.
KENTUCKY									
Daviess County	23	9:30 - 10:30 PM					4		Windstorm Gusts of wind estimated at 75 miles per hour hit the Owensboro area causing extensive damage to a drive-in theater, damaging a few buildings, downing large segments of trees and causing utilities to be interrupted.
Hopkins County	25	PM			1	4			Wind and Hail Several buildings were damaged by the wind and hail. Rain coming through broken windows caused additional damage. Numerous trees were blown down. Hailstones as "big as a half dollar" were reported in some sections. The damage caused by the wind was 50% and hail 50%. The injury caused by flying glass.
Mason County	25	PM					4	2	Windstorm Several barns were blown down or damaged by the windstorm that hit mainly in the Maysville area. The wind toppled trees across utility lines causing interruption in utilities. The crop damage was to tobacco beds.
LOUISIANA									
Tangipahoa, Washington Parishes	9	5:00 a.-5:30 a.	25	100	0	0	5	5	Tornado Moved northeast from near Amite to a little beyond Franklinton, destroying or damaging several houses and blowing down timber.
MAINE									
None reported									
MARYLAND									
Near Lewistown, 15 miles north of Frederick, Frederick County, Maryland	16	9:00 - 9:10AM	?	20	0	0		3	Tornado Small tornado lifted a 12ft. x 40ft. chicken house off the ground and completely demolished it. Roof of a stone residence was slightly lifted, and roof of a barn slightly displaced. Funnel cloud observed and classic roaring noise reported.
MASSACHUSETTS									
Northwest	10	Morning to Evening			0	0	4	0	Heavy snow Storm yielded 6 to more than 12 inches of snow with the heavier totals over the higher elevations. Sleet, rain, and strong winds also attended the storm. Major damage was reported by power companies which described the storm's inroads as the "worst by far" of the season. Power failures were widespread as lines were snapped by falling snow-laden tree limbs.
MASSACHUSETTS (Cont'd.)									
North Berkshire County	16	Morning to Evening			0	0	4	0	Glass, wind Mohawk Trail area turned into desling ice-forest. Trail area most seriously affected as strong winds and coating of ice up to 2 inches thick bent trees to the breaking point and snapped power and phone lines. Highways became ice-slicked and hazardous.
Eastern and south-eastern portions	16	Early evening			0	1	4	0	Electrical and rain A number of lightning strikes damaged homes, cut power service in several communities and set a \$20,000 fire in a Walpole wood-working plant. Heavy rains flooded underpasses, and clogged drains caused local flooding. Flooded cellars were reported in several communities.
Middleboro	26	11 a. to 12 Noon EST	3	50-75	0	0	4	0	Squall *Freak* storm with ominous darkening of sky and wind rising to gale force along squall line alarmed townspeople as it moved along due eastward from Rhode Island. Roof of center section of a tri-sectional factory building in Middleboro was ripped off and some damage was done to other sections. Suggestion of tornadoic characteristics but verifying features inadequate. Trees and limbs were downed and other damage, mostly minor, was reported along the storm's path. Newspaper and other available reports indicate storm may have been associated with one described as a "small" tornado that struck earlier at Killington, Conn.
Northboro	26	Before noon			1	11	3	0	Electrical An accident in a water tunnel, under construction 300 ft. below the surface, was attributed to the effects of a violent thunderstorm raging above ground. Explosive experts and other qualified officials stated that static electricity released by the storm permeated the 14-ft. high tunnel and caused a premature explosion of a 5-pound charge of dynamite. One man was killed and 11 others injured, 3 of them seriously. One injury resulted in the loss of an arm.
Gardner	27	9:30 a. EST			0	0	2	0	Dust devil Dust devil crossed roof of American Fibre Corp. plant and lifted and twisted large skylight (about 12' x 8' size) off its foundation. The heavy skylight had been securely fastened. Its steel frame was bent and some panes of glass were broken.
Michigan Southern									
	24	7:00 p. 24th early morning 25th						4	Thunderstorms with high winds, hail, heavy rains and lightning. Several lightning induced fires caused serious damage to a few homes, buildings and destroyed 1 barn. Small hailstones punctured the wings of 4 small airplanes at Dowagiac, Mich. Airport. Heavy rains flooded basements of numerous homes. Some highways were closed and damaged due to flooding. TV antennas were blown down by high winds. Power failures due to lightning striking transformers were reported at Ann Arbor and Flint.
Kalamazoo 10 NE									
	24	7:30 p.							Funnel aloft Public reported funnel aloft 10 miles northeast of Kalamazoo which is in the Richland area. Several persons stated they observed a funnel shaped cloud in whirling motion and also heard the characteristic tornado roar. The funnel cloud did not touch the ground.
Battle Creek 7 SE									
	24	8:20 p.							Funnel aloft Funnel aloft observed 7 miles southeast Battle Creek which extended about 1/3 of the distance from the base of a low cloud to the ground. A thunderstorm was in progress at the time with gusty winds to estimated 40 MPH. Definite rotation of the funnel and a loud whistling noise were evident.
MINNESOTA									
Lake City (near), Wabasha County	14	6:10P					1		Electrical Farmer killed in barn yard while doing chores.
MISSISSIPPI									
Jones County	3	p.m.	10	900	0	0	4	0	Windstorm Began 10 miles west of Laurel and moved to edge of town; much timber down.
Hernando	25	6:00 p.	2	200	0	0	4	0	Wind and hail storm

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1961

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MISSOURI 5 N. of St. Joseph, Andrew County	20	4:30 p.					2		Tornado
Riverside, Clay County	20	5:30 p.							Funnel aloft
Clay, Platte, and Jackson Counties	20	5:30-7:00 p.					3		Thunderstorms
(Near) Liberty, Clay County	20	6:15 p.							Funnel Aloft
Pettis and Lafayette Counties	20	7:00-9:00 p.					4		Thunderstorms
Warrensburg, Johnson County	20	7:55 p.							Funnel aloft
Columbia, Boone County	21	3:50 a.		100			3		Thunderstorm
Weatherby Lake, Platte County	21	9:03 a.					5		Thunderstorm
Farmington, St. Francois County	21	3:15 p.					5		Thunderstorm
South St. Louis and North Jefferson Cos.	21	4:15 p.					4		Thunderstorm
Perryville, Perry County	21	4:30 p.					5		Thunderstorm
Archie and Garden City, Cass County	21	8:50 p.							Thunderstorm
(Near) Callao and Ethel, Macon County	21	9:15 p.					4		Thunderstorm
South Jackson County	22	2:00 a.					4		Funnels aloft
Johnson, Lafayette, and Cass Counties	22	2:00 a.-2:30 a.					2		Tornado
Jefferson City, Cole County	22	4:15 a.					3		Thunderstorm
Centerville and Holden, Johnson County	23	2:20 a.-2:30 a.					3		Tornado
1 S. of Strasburg, Cass County	23	2:00 p.					3		Tornado
Jackson County	24	4:05-5:15 p.					4		Thunderstorm
Lafayette County	24	5:00-6:00 p.					1	5	Thunderstorm
Marshall, Saline County	24	5:30-6:15 p.					5		Thunderstorm
Hannibal, Marion County	24	6:55-7:15 p.					5		Thunderstorm
2 N. of Sedalia, Pettis County	24	8:00 p.							Funnel aloft
MISSOURI (Cont'd.)									
12 SW. of Boonville, Cooper County	24	8:05 p.							Funnel aloft
7 N. of Harrisburg, Boone County	24	8:25 p.							Funnel aloft
Jasper, Jasper County	25	12:30 a.	3	250			1	4	Tornado
Everton, Dade County	25	1:00 a.	2	250			4		Tornado
Cape Girardeau and Mississippi Counties	25	2:30-3:30 p.					1	5	Thunderstorms
Lawrence, Barry, Jasper, McDonald, and Newton Counties	30	5:00-7:00 p.					6	4	Thunderstorms
Aurora, Lawrence County	30	7:30 p.							Tornado
MONTANA									
Northeast Montana	22-23	Evening	175	*150	0	0	4	0	Wind and Snow
Shepherd, Yellowstone County	22	5 P.M.	5	*5	0	0	0	0	Hail
NEBRASKA Nebraska Panhandle	23 & 24	Eve. 23rd to Eve. 24th	120	*100	0	0	5	5	Wind
NEVADA									None reported
NEW HAMPSHIRE									None reported
NEW JERSEY									
Statewide	15				0	0	5	0	Wind, rain, snow.
Verder and Womouth Counties	25	5:30 pm to 7:00 pm			0	0	4	0	High winds.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1961

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					KILLED	INJURED	PROPERTY	CROPS	
NEW MEXICO			None reported						
NEW YORK									
Counties east of Lake Ontario through Northern New York	10-11						5		Snowstorm
			Heavy wet late season snowstorm with depths up to 18 inches in Boonville area. Belt swung north to Watertown area where 21 inches recorded. Amounts of 6 to 12 inches in areas of central, western and northern New York. Many power and communication lines down, roads blocked, schools closed and general interruption of normal pursuits.						
Southeastern counties, New York City, Long Island area	13				5		5		Rain, snow, sleet, high winds
			Coastal storm with rain, snow, sleet, high winds, high tides. Snow depths inland up to 9 inches in Sullivan County. Three high school boys perished in open boat when caught in storm; 2 barge captains drowned when craft capsized in Hudson River. Disruption of power and communication lines, chimneys blown over, windows knocked out, much waterfront damage; winds 60 mph or more.						
Southeastern New York, St. Lawrence area, central New York	16						5		Wind, rain, lightning
			Strong winds, rain and lightning caused damage to roofs, power and communication lines, trees and structures.						
Central and south-central counties	24-26						6		Heavy rain, high wind, lightning, hail
			General storminess caused wind damage to considerable extent, widespread flood damage and some lightning-caused fires. Severe erosion damage to many roads and highways. Severe wind damage in Monterey area.						
NORTH CAROLINA									
Statewide	9	9-11 pm			0	0	4	0	Electrical, Wind, Rain
			A low pressure storm moving eastward through the area caused numerous thunderstorms scattered throughout North Carolina, with widespread local occurrences of minor wind damage. Wind gusts to 80 mph recorded on beaches, with damage to roofs. Some local heavy rain and flash flooding inland areas.						
Charlotte	12	6-10 pm	1	200	0	0	4	0	Small Tornado
			Large warehouse unroofed, house trailer overturned. Several autos damaged, power lines broken, trees down. Funnel seen; storm moved northeastward, touching ground at two points about a mile apart.						
Statewide	12	aftn & evening			0	0	5	0	Electrical; High Winds, Hail.
			A vigorous low pressure storm moved eastward across State, causing widespread local wind damage to roofs, outbuildings, trees and power lines. Some scattered hail reported.						
Wake County	28	4-6 pm			0	0	4	3	Hail
			Two thunderstorms affected the county causing hail in two or three separate areas, the larger stones up to 3/4 inch. Damage limited to a few roofs and a small crop acreage.						
NORTH DAKOTA									
South half of state	4	all day					4		Blizzard
			Heavy snow combined with high winds caused local damage in southwest portion in morning. At Hettinger wind gusts to 75 miles per hour were noted. Rain in southeast portion changed to freezing rain in evening and combined with high winds caused a few power outages.						
West and south portions	23	all day					5		Blizzard
			Heavy, wet snow ranging up to 10 inches fell over much of the area and in many areas collected and froze on power and communication lines causing numerous failures. Power failures were reported throughout the area with numerous line breaks. Forty-one towns in west and central part of state were isolated at times from long distance service, although no lines were broken. One hundred forty-one toll circuits were out of service. Ninety-five poles reported down in Watford City area, leaving 80 farms without telephone service. Roads were blocked in many areas for a time and travel was very difficult.						
OHIO									
Berlin Heights	5	6:00 PM	Short	10	0	0	3	0	Tornado
			This was an extremely localized storm as regards damage, though several people reported hearing the characteristic roaring noise. A calf barn on Mr. Green's farm was completely demolished while the main barn sustained only roof damage.						
OHIO (Cont'd.)									
Ashtabula, Trembulla and Portage Counties	16	6-7 AM	10	Narrow	0	0	5	0	Tornado
			With the passage of an intense squall line, severe thunderstorms developed over parts of Ohio, most violent of which visited extreme northeastern counties. Within this area of greatest thunderstorm activity several poorly-developed tornadoes were spawned, each of which caused moderately severe local damage. Many houses, barns, and other buildings lost roof sections, and some smaller buildings were completely demolished. There was also the usual damage to utility lines, trees, signs, and antennas. Most destructive of these storms followed a northeasterly path from near Ashtabula to Ashtabula. In Ashtabula Twp. several cows were killed when the barn collapsed while a man in the barn escaped serious harm. In Ashtabula the 465-ft. FM antenna of station WREO was blown over. Near the same time separate tornadoes struck in Ravenna and Warren. Since these storms belonged to the same system as that which hit Ashtabula County, a separate report is not being made.						
Cleveland	24	Evening	?	?	0	0	5	0	Heavy rain
			During a squall-line passage, heavy localized thunderstorms struck in the northern tier of counties from Toledo eastward to Ashtabula, accompanied by severe lightning. Flash flooding resulted over a wide area, inundating low-lying areas in many communities as far south as Norwalk. Power lines were knocked out by lightning strikes in the Cleveland area, 1200 homes in Parma being without lights for several hours. Several homes were burned in Cleveland.						
Eaton	25	4:30 PM	40	75	0	0	6	0	Tornado
			A funnel cloud - part of a large thunderstorm situation - skipped lightly along a path from near Shelbyville, Ind. to Eaton, Ohio, dipping to the ground momentarily at intervals of 1/2 to 5 miles. Most of the distance traversed was over open farming country where an occasional barn or farm house was partially destroyed. Most damage was done in Eaton. One farmhouse in the western outskirts was completely removed from a circle of undamaged trees together with a nearby barn, debris being scattered over the area. Also several new houses in an adjacent suburban development were badly damaged. The funnel then lifted over a grove of trees to catch the roof of the municipal building, furniture warehouse and grocery. The remainder of damage in Eaton was minor, consisting of light roof damage, breakage of limbs in trees, broken windows etc. Loss of life and injuries were prevented by adequate warning and evasive action by citizens. One resident reported seeing three separate funnels form and quickly dissipate. Direction of movement was slightly north of east, and little rain fell while the storm was in progress.						
Martinsville	25	5 PM	40	50	2	few	5	0	Tornado
			A minor tornado, weaker than the one which struck Eaton, formed near Blanchester and traveled a course just north of Ohio Route 28 to the vicinity of Leeburg. While this was part of the same group of thunderstorms which spawned the Eaton tornado, its path lay about 45 miles farther south. Damage again was of the hit-skip variety, and there was little evidence of rotating winds, but the storm is classed as a tornado because of the very localized nature of damage caused, and the fact that its path was parallel to that of the Eaton tornado. Two people were killed in separate barns on the western outskirts of Martinsville as the buildings collapsed. Several cattle were killed in one of the barns. This tornado touched the ground at intervals a few miles apart, including New Vienna, Farmers, Highland, and Leeburg. Isolated spots of wind damage at Leeburgville and Sugar Grove, 40-50 miles farther east, and in the same line may be associated with this tornado.						
			A large area of severe thunderstorm activity 50 or more miles across moved entirely across Ohio just south of its center, causing local flooding from heavy rain. Among these flash floods was the one on Adena Creek where a man was drowned. There was considerable flood damage at Martins Ferry and Steubenville near the Pennsylvania border. Both the Eaton and Martinsville tornadoes occurred as part of this group of heavy thunderstorms.						
OKLAHOMA									
Comanche, Stephens, Garvin Counties	8	3-5 p.	?	?	0	0	0	0	Hail
			Considerable small hail fell in southern and east-central Comanche County. The ground was covered 3 to 4 inches deep and some places drifts were a foot deep. Some damage resulted to crops, gardens and fruits. Light hail was also noted in Duncan where a few stones were golf ball size and a little hail was reported at Paula Valley.						
Banner, Canadian County	8	3:45 p.	1 1/2	100	0	0	4	0	Tornado
			Outbuildings were destroyed or damaged on two farms. Storm moved northeastward.						
Checotah, McIntosh County	11	7:30 p.	Short	Narrow	0	0	1	0	Tornado, funnels aloft
			Tornado dipped down at northeast edge of Checotah causing minor damage to two homes. Civil Defense reported two funnels aloft, one north of Vian in Sequoyah County at 7:55 p. and another south of Muskogee in Muskogee County at 8:00 p.						

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1961

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA (Cont'd.)									
Lenapah, Nowata County	20	11:35 p.	?	100	0	0	4	0	Tornado, wind, hail, funnels aloft. Tornado touched ground for short period near Lenapah. Most of the damage was due to winds. Golf ball sized hail fell north of Lenapah. Three funnels aloft were reported at Nowata. There was an unconfirmed report of one touching the ground but no damage was reported so it apparently remained aloft.
Alva, Woods County	21	6:50 p.	?	?	0	0	3	0	Hail Hail up to 1 1/2 inches in diameter covered the ground over about a 5-square mile area. Roofs and windows were damaged.
Peckham, 1 1/2 miles north, Kay County	21	10:15 p.	3	?	0	0	2	0	Tornado Utility lines, poles and fences were damaged.
Altus, 5 1/2 miles NW, Jackson County	23	4:15 p.	Short	Narrow	0	0	4	3	Tornado, wind, hail Buildings were damaged on a farmstead by a small tornado. Strong winds damaged outbuildings on several farmsteads in the Duke area. Hail caused up to 50% loss to wheat in the Duke area.
Ponca City, 10 miles SE, Osage County	24	7:15 p.	?	?	0	0	6	4	Tornado, hail Funnel was on the ground less than a minute. Evidently struck in open country in extreme western Osage County as no damage reported. Hail up to 2 inches in diameter caused heavy damage in Ponca City. Mostly golf ball sized hail, caused up to 50% crop damage from west of Tonkawa to north of Ponca City into Osage County in the vicinity of Shidler and north of Fortaker.
Manchester to Gibbon, Grant County	30	a.m.	?	?	0	0	?	5	Hail Damaging hail which fell from Manchester to Gibbon in northwestern Grant County, with smaller hail in south-central section, caused considerable crop damage.
Dewey County	30	2:00 p.	?	?	0	0	0	3	Tornadoes, hail In the area between Leedeey Vic and Taloga, 3 tornadoes were reported. These evidently touched down in open country as no damage reports were noted. A small amount of hail up to 3/4 inch diameter fell from southeast of Vic to Selling.
Canadian County	30	3:25 p.			0	0	0	0	Funnel aloft Pilot of Weather Research plane reported funnel 30 miles west of Oklahoma City.
Ponca City, Kay County	30	4:05 p.	?	?	0	0	5	?	Hail, funnel aloft Hail up to 2 inches in diameter caused extensive damage in Ponca City. Civil Defense reported a funnel aloft west of the City about 3 p.m. Hail also fell near Tonkawa, across the southern portions of the county, across northern sections near Brennan and Newkirk into western portions of Osage County from Fairfax to Shidler.
Blaine County	30	4:30 p.	?	?	0	0	?	?	Hail Hail up to golf ball size fell north and southeast of Watonga. The ground was covered 4 miles southeast of Watonga. Damage was apparently light as no damage reports were received.
Piedmont, Canadian County to Seward, Logan County	30	5:30 p.	?	?	0	0	4	4	Tornado, hail, funnels Tornado Research plane reported sighting 4 funnels in area of Canadian County northwest of Oklahoma City. One of these tornadoes touched down momentarily and destroyed a barn at Piedmont. Apparently lifted and touched down again at Navina and Seward where several farmsteads were damaged over a path about 3 miles long and 200 yards wide. Heavy hail that averaged 2 inches in diameter fell over a 7-mile by 4-mile area at Piedmont. Crop damage ranged from 25 to 100%. Windows were broken and roofs damaged in Piedmont. Storm moved northeastward.
Honiny, Osage County	30	5:55 p.	?	?	0	0	4	0	Tornado Several homes and farmsteads were extensively damaged in the Enterprise community between Honiny and Ralston.
El Reno, 11 miles west, Canadian County	30	6:00 p.	1/2	?	0	0	0	0	Tornado Funnel touched ground in pasture. No damage reported other than a fence rolled up. Storm moved northeastward.
Roger Mills, Beckham, Washita, Kiowa, Comanche and Cotton Counties	30	6-8 p.	?	?	0	0	5	6	Hail Heavy hail with stones up to 2 and 3 inches in diameter fell over a variable path from Cheyenne in Roger Mills County to southern Cotton County. Crop damage was considerable and extensive over paths that varied from 2 to 10 miles wide along most of the path. Property damage was also quite heavy. Heaviest damage was in southwest Washita County, Kiowa County and Cotton County.
Canadian and Oklahoma Counties	30	6:15 p.	30	?	0	0	5	0	Hail Hail up to 2 inches in diameter caused considerable damage from El Reno to north sections of Oklahoma City.
Minco, 2 miles north, Grady County	30	6:45 p.	2	75	0	2	4	0	Tornado, funnel aloft Home and auto were destroyed and occupants of home slightly injured. Four other farmsteads were damaged. Another funnel was sighted southeast of Minco 15 minutes later.
OKLAHOMA (Cont'd.)									
Tulsa, Tulsa County	30	6:54 p.			0	0	5	0	Funnel aloft, wind Apparently funnel aloft as a loud roar was heard. Strong winds struck north Tulsa airport where a hangar and 6 planes were destroyed and 3 other hangars and 6 additional planes damaged. Another funnel was sighted about the same time west of Tulsa, south of Sand Springs.
OREGON									
None reported									
PENNSYLVANIA									
Southeastern Counties	12-13	Night			0	0	4	0	Wind and Rain Strong winds felled trees and utility lines throughout the area. In Bucks County a small plane was torn from its moorings and overturned. Heavy rain resulted in local minor flooding in a number of areas.
Shippensburg Area	16	9 A.M.	?	175	0	0	5	0	Tornado The tornado moved northeast through the east end of Shippensburg uprooting trees, lifting roofs from buildings, crushing garages, falling power lines, knocking over television antennas, blowing down walls of buildings, shattering plate-glass windows and knocking down billboards. In the rural area outside the town a barn was lifted off its foundation and a house trailer was carried 75 feet through the air and demolished.
Franklin & York Counties	16	Morning			0	0	5	0	Wind Strong winds hit the two-county area unroofing several buildings and damaging a number of others. A few small farm buildings were blown over, as well as numerous billboards.
Delaware County	28	Afternoon			0	0	3	0	Thunderstorm Strong winds toppled several trees damaging homes and an auto as they fell. Lightning struck a tower and transmitter of a radio station causing extensive damage.
PUERTO RICO									
None reported									
RHODE ISLAND									
Smithfield, Pawtucket, Providence County	26	11:30a			0	0	0	0	Funnel Funnel moving from northwest caused 50 mph winds on ground at Smithfield Airport and moved to Pawtucket before dissipating.
SOUTH CAROLINA									
Charleston, Charleston County	9	Afternoon	-	-	0	0	4	0	Windstorm Heavy squall line ripped roofs, broke plate glass, disrupted utilities, drove boats aground, caused minor injuries. Heaviest damage was near the water front.
Eastern South Carolina	12	10:00 a - 6:00 p	-	-	1	12	5	0	Windstorm Heavy windsqualls moving west to east, reaching hurricane force in coastal sections, were accompanied by tornadoes as shown below.
Hilton Head Island, Beaufort County	12	10:00 a - 10:15 a	-	-	0	0	4	0	Tornado Moved from East to West.
James Island, Charleston County	12	10:43 a	-	-	0	0	5	0	Tornado Moved from East to West
Hartsville, Darlington County	12	5:10 p - 5:14 p	1/2	40	1	0	4	0	Tornado
Folly Beach, Charleston County	12	5:40 p	-	-	0	0	0	0	Waterpout
Fairmont, Spartanburg County	16	9:30 p	-	-	0	1	0	0	Lightning
SOUTH DAKOTA									
West and Central	4	All Day					4	0	Wind Northwesterly winds of 40 to 60 m.p.h. and gusts of 80 to 90 m.p.h. affected entire state with property and crop damage largely confined to western and central counties. The most extensive property damage was in the Pierre area. The roof was blown off and one wall damaged at a new motel, one trailer home was blown over, numerous store windows and large signboards were destroyed, and roofs were damaged in this city. Total loss estimated near \$10,000. In other central areas towns store windows, awnings, and several small farm sheds were destroyed, as well as trailer homes blown over and heavily damaged at Chamberlain and White River. A large water flume at Newell, Butte County, was blown over with damage estimated at \$3,000. Lengthy power failure at Wimer, blamed on static electricity, was caused by high winds and blowing dust. Wind erosion caused moderate to severe damage to fields of winter grains in western counties. Prairie fire in Washabaugh County was fanned by wind and burned 2,000 acres before being controlled. Great clouds of blowing dust cut visibility on highways, reduced air travel, and revived memories of the drought years of the 1930's.

See reference notes at end of table.

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APRIL 1961

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TENNESSEE									
Sweetwater, Monroe County	9	Night	0.8	50	0	0	4	0	Wind
The roofs of two large tobacco warehouses were severely damaged. The storm moved toward the NE.									
Union & Knox, Counties	12	2 p.m. (approx)	?	?	0	0	?	0	Hail
Hail up to 1-inch in diameter fell on portions of Union & Knox Counties. In Union County trees and shrubs were damaged and hail piled up to a foot in depth at some locations. In Knox County, the storm was concentrated from Harbison's Cross Roads to Corryton and broke only a few windows. The storm moved toward the NE.									
Crossville & Vicinity, Cumberland County	15	1:30 p.m. (approx.)	25	* 16	0	0	0	0	Hail
Hail with an average diameter of 1/2 inch and a maximum diameter of 1 inch was observed. Crops were not sufficiently advanced to be damaged. Path width was not continuous. The storm moved toward the N.									
Maury, Williamson & Hickman Counties	15	2-3 p.m.	30-40	?	0	0	4	?	Hail
Roof and window damage together with damage to early crops was reported along a path extending through Hampshire, Cross Bridges, Ashwood, Monsanto and Godwin in Maury County. Similar damage occurred at College Grove, Williamson County which is in line with an extension of the above path and large hail was reported at Prim Springs, Hickman County about 15 miles north of Columbia. The ground was reported covered with hail at some places. Average diameter of hailstones was about 1/2 inch. Largest stones were reported as 1 3/4 inches in diameter at Monsanto. 1 1/2 inches in diameter in Columbia outskirts, golf ball size at Ashwood and hens egg size at Prim Springs. The Maury County storm moved toward the NE.									
Spring Creek area, Overton County	15	3:45 p.m.	3	* 1	0	0	?	0	Hail
Hail up to 1 3/4 inches in diameter ruined several tobacco bed canvases, broke windows and damaged house roofs and sidings.									
Morgan County	15	After-noon	?	?	0	0	?	0	Hail
Hail up to the size of bantam eggs, covering the ground in some places, caused extensive damage to buildings in northern parts of the county.									
Nashville (near) Davidson County	21	12:30 p.m.			0	1	0	0	Lightning
Lightning struck a store lighting fixture, shocking and hospitalizing one man.									
Clarksville (near), Montgomery County	25	6:15 p.-6:30 p.	9	70-300	0	2	4	2	Tornado
The storm apparently first touched down near the Cumberland River ENE of the Palmyra Community where minor damage to several homes occurred. Moving to the ENE, next damage was near the Round Pond Community where a garage-service station was unroofed. Next and greatest damage was in the Salem Community where most of an old farm house, several small buildings and a tobacco barn were destroyed. Several poles from the tobacco barn were carried about 400 yards and driven through the roof, ceiling and walls of another residence. Moving across the Cumberland River, the storm destroyed a barn and damaged two houses. Two persons received minor cuts. The funnel was observed by a few people and the damage pattern exhibited rotational effects.									
TEXAS									
15 NW Corpus Christi, Nueces County	5	6:45 p.							Funnel aloft
15 S Laredo, Webb County	5	12:00 p.	2 1/2	* 1/2	0	0	4	0	Tornado
Damaged farm buildings in path of storm, which moved from SE toward NW.									
Archer City, Archer County	8	3:00 p.-3:15 p.	1	40	0	1	?	0	Tornado
Small tornado moved from SW toward NE, directly through the center of town, causing extensive damage to 2 homes, several smaller structures, injured 1 person, and damaged roofs and trees. The storm was described as looking "like a double size whirlwind, and roaring like a low flying plane." The tornado blew out several windows, tore loose porch, and damaged roof on one home, skipped one block and destroyed a 12 x 12 foot walking shop, then continued across town in a "skipping" action. Eye witnesses reported the walking shop "exploded with a roar and its pieces and contents shot hundreds of feet into the air and carried blocks away." One woman injured when the tornado lifted the home in which she was in, off its foundation. She suffered a broken arm and bruises. Five or six automobiles on a used car lot damaged by flying timbers, and the rear window of one automobile exploded from pressure.									
Near Wichita Falls, Wichita County	8	3:25 p.-4:00 p.	?	?	0	2	4	0	Tornado
Tornado formed near Kamy community west of Wichita Falls and moved NE across Wichita Valley Airport, and Sheppard Air Force Base. The funnel was first observed by Weather Bureau observer at 3:25 p. about 10 miles SW of observation site moving ENE. The appearance was that of a cylinder of smoke 3 to 5 hundred feet wide extending from the ground to the base of the clouds which were estimated to be 3000 feet. The funnel was aloft as it									
TEXAS (Cont'd.)									
Olney, Young County	8	3:30 p.-3:35 p.			0	0	?	0	Tornado
Tornado moved through north residential area of city. Touched ground, but apparently was aloft as it moved over area with homes. Only dirt, and no debris observed in funnel. Observer reported funnel made a loud noise "as it moved overhead."									
4 S Waco, McLennan County	8	6:38 p.							Funnel aloft
Marlin, Falls County	8	7:00 p.							Funnels aloft
Two funnels aloft sighted vicinity Marlin.									
1 W Giddings, Lee County	8	9:00 p.	short narrow		0	0	2	0	Tornado
Small tornado ripped a long shed off one barn and blew it over 2 other barns, knocking off a corner of a hen house, and dropping it to the ground. Heavy rain accompanied the storm.									
2 1/2 N Corrigan, Rock County	8	10:50 p.	short narrow		0	1	4	0	Tornado
Small tornado lifted roof from one home and lifted heating system out of it and dropped in yard. Occupant suffered minor injury from flying glass. Garage of nearby residence demolished, but house left untouched. A loud roaring noise heard.									
El Paso, El Paso County	8				0	0	4	0	Wind
Strong straight winds blew a few air conditioners off roofs, blew front porch and carport off one home, blew down several large trees, and caused minor damage to roofs of several other homes. Wind velocity measured 73 mph at 6:26 a.m. The strong winds were accompanied by blowing dust that reduced visibility to 1 mile at the airport. The strong winds subsided about 5:30 p.m.									
3 SE Kirbyville, Jasper County	9	12:31 a.	3/4 narrow		0	0	4	0	Tornado
Tornado moved through Adul community SE of Kirbyville, causing minor damage to buildings on several farms. Most damage was to a commercial chicken house, which was demolished, and approximately 1000 of 2000 hens killed or injured. Pine trees in the area were twisted or blown over. The storm traveled from the southwest.									
Near McGregor, McLennan County	11	4:30 p.							Funnel aloft
Storm associated with funnel moved from west toward east accompanied by blowing dust.									
Near Richardson, Dallas County	11	4:55 p.	1/3	42	0	3	4	0	Tornado
Small tornado touched ground NW of Richardson, destroying sheds and outbuildings on a farm, then demolished a frame service station building located at Plano Road and Old U.S. 75 highway about 4 miles S of Plano. Man and wife and 10-month-old child, all in service station were injured. After hitting the service station, tornado damaged garage about 5 blocks east. It then disappeared back into the clouds. The tornado was preceded by a few hailstones 1" in diameter, some lightning, but no rain. It moved from west toward east. An inspection of debris showed effects of rotation.									
10 E Clifton, Basque County	11	5:00 p.	15	100	0	0	0	0	Tornado
Tornado touched ground after passing over Cooperative Weather Observer's home, moving from west toward east. Only a few drops of rain accompanied the storm. Funnel made loud roaring noise, something like an airplane. Strong winds caused minor damage to a few sheds and roofs of buildings in Clifton, but no funnels were sighted over the town.									
Navarro County	11	5:30 p.-5:45 p.	5	150	0	0	4	0	Tornado
Small tornado touched ground in Pelham community in the extreme western section of the county, destroying 2 dwellings, a barn, and a shed. The tornado traveled from SW toward NE with most of the path in open country.									
Groesbeck, Limestone County	11	5:45 p.-5:53 p.			0	0	?	?	Wind, hail, funnel aloft
Funnel formed about 4 miles N. of Groesbeck, but did not touch ground. Strong winds estimated at 75 to 80 mph ripped shingles from houses in Groesbeck, blew down TV antennas, toppled a few trees, and demolished one barn. Marble-size hail accompanying the storm damaged some automobiles.									
Madison County	11	6:10 p.	short narrow		0	0	0	0	Tornado, Funnels aloft
Small tornado touched ground twice near Ferguson Prison Farm. Only known damage was to a tree whose top was twisted off. One funnel aloft was sighted in the Elwood community; another was sighted south of the Prison Farm. Witnesses could hear the roar from the funnels that did not touch ground.									

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1961

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
TEXAS (Cont'd.)											
Cherokee County	11	8:00 p.	?	?	0	0	3	0			Tornado
<p>Small tornado ripped roof off a porch of a home in the Reese Community, heavily damaged 40 x 60 foot barn 8 west of Rusk, and killed one cow. A garage was demolished by strong winds about 2 1/2 miles S of Rusk.</p>											
Jefferson County	11	9:30 p.-10:00 p.			0	0	5	0			Wind
<p>Thunderstorm winds caused widespread damage in all sections of Jefferson County, most of it minor. Plate glass windows, TV antennae, carports, fences, power lines, trees, garages and roofs fall before the strong winds in scattered spots throughout the area. Damage was reported from the Fort Arthur Country Club on the east through the mid-county towns to the east and within the cities of Beaumont and Fort Arthur. Winds at the U. S. Weather Bureau Airport Station were measured at 56 mph. Heaviest damage occurred at a country clubhouse where the rear end of the structure was demolished with concrete building blocks being thrown about and heavy planks being torn from their position. A number of small buildings were blown down.</p>											
Iowa Park Wichita County	11	8:00 p.	?	?	0	7	4	0			Wind
<p>Thunderstorm winds with gusts up to 58 mph collapsed a circus tent with 1000 persons underneath, but only 7 persons received minor injuries. The huge tent was estimated a total loss.</p>											
Union Scurry County	23	11:00 p.	2	800	0	0	3	0			Tornado
<p>Tornado moved through open country from SW toward NE. Twenty-six power line poles blown down 17 miles S of Snyder.</p>											
Sherman Grayson County	26	10:25 p.-10:40 p.	?	10	0	0	4	0			Wind, Funnel aloft
<p>Strong thunderstorm winds estimated at 65 mph caused damage to plate glass windows, roofs, trees, and power lines along a 10 mile path through Sherman and surrounding towns. One light plane at Sherman municipal airport was torn loose from its moorings and tossed against an automobile. One small funnel aloft was sighted. Lesser damage occurred at Whitesboro, Sadler, Bells, and Savoy. Small hail and light rain accompanied the storm.</p>											
Lake O' The Pines Marion County	27		short	narrow	0	0	5	0			Tornado
<p>Tornado touched ground for only 30 seconds, demolished all steel marina on Lake O' The Pines. The steel was "twisted like straw" and the south section of the floating dock lifted from the water and tossed on top of the north section. Two boats in the marina were damaged by flying steel.</p>											
Stephenville Erath County	28	12:00 p.-1:15 p.	?	?	0	0	?	0			Hail
<p>A severe hailstorm struck shortly after noon, damaging roofs, denting unprotected cars, and shearing foliage from trees. Some of Stephenville's insurance men estimated hail damage heavy, but no estimates available.</p>											
Corpus Christi Nueces County	29	12:45 p.-1:45 p.	15	15	0	0	4	0			Tornado
<p>Small tornado moved from Flour Bluff through west Corpus Christi to near Edroy, traveling from SE to NW. Hail averaging 3/8 inches in diameter with largest stones 3/4 inches in diameter, and heavy rains from 2 to more than 3 inches accompanied the storm. Damage was minor; one house unroofed, a fruit stand and numerous signs damaged.</p>											
Near Rockport Refugio County	29	Afternoon									Funnel aloft
Wichita Falls Wichita County	30	8:15 p.-11:00 p.	?	?	0	2	6	0			Wind, hail
<p>Thunderstorm winds measured at 69 mph accompanied by hail averaging one inch in diameter struck the area about 8:15 p.m. with a second thunderstorm accompanied by hail moved across the western section of Wichita Falls about 11:00 p.m. Largest hailstones were estimated at "golf ball" size. Windows were broken throughout the city. Automobiles suffered paint damage and broken windows. A drive-in theatre screen and trailer home were blown over, along with numerous signs. Trees and shrubbery were stripped of their leaves. Most of damage was due to the hail. Two persons were injured from flying glass.</p>											
Denton Denton County	30	10:15 p.-10:30 p.	10	*5	0	16	6	0			Wind, hail
<p>Strong straight thunderstorm winds damaged practically every building and dwelling in this city of 27,000. Four homes destroyed; 57 homes suffered major damage; 880 homes minor damage; 5000 homes minor roof damage; 35 small businesses major damage; 109 small businesses minor damage; 26 large businesses damaged; 39 public buildings and 3 trailer houses damaged. Winds estimated at 70-80 mph; however, radio tower designed to withstand 100 mph was blown down; one radio tower designed to withstand 125 mph was blown down. More than 100 new highway signs on 2" pipe standards were buckled. These signs average 3 to 12 square feet per standard, and were consistently bent toward a southeasterly direction. The more exposed signs were bent substantially to the ground. One person was carried about 50 feet through the air. Most injuries were from flying debris. .76 inches of rain and some small hail accompanied the storm.</p>											
TEXAS (Cont'd.)											
Justin Denton County	30	10:15 p.-11:00 p.	25	?	0	0	5	0			Wind
<p>Strong thunderstorm winds damaged several commercial buildings, and roofs on approximately 100 homes. One furniture warehouse completely demolished. Tower on private wind gauge collapsed at 80 mph. Area affected extended from about 15 W Justin to 10 E Justin, and from Ponder N to Hsallet S. The storm moved from West toward East accompanied by 1.60 inches of rain.</p>											
Fort Worth Tarrant County	30	10:30 p.-11:00 p.	?	?	0	0	5	0			Wind
<p>Thunderstorm winds damaged a motel, church, store buildings, drive-in theatre, and several dwellings in north and northeast sections of city. Wind gusts registered 61 mph at Carter Field Weather Station.</p>											
Keller Tarrant County	30	night	?	?	0	0	4	0			Wind
<p>Strong thunderstorm winds demolished one barn, caused extensive roof damage to 3 buildings, a warehouse, and several barns. Also damage to power and communication lines.</p>											
Near Lake Dallas Denton County	30	night			0	0	4	0			Lightning
<p>Boat and lake house on Hickory Creek near Lake Dallas destroyed by lightning.</p>											
15 ESE Fort Worth Tarrant County	30	11:18 p.									Funnel aloft
<p>Funnel aloft reported again 12:00 a.m. 22 SE Fort Worth.</p>											
UTAH											
Western Portion	22				0	7	4				Wind, dust
<p>Blowing dust, as a result of strong winds, contributed to a 6-car crash near Loy, in Poose County. The winds, which were reported as high as 69 MPH in gusts, caused damage to utility poles, fences, billboards, trees, and homes in western Utah.</p>											
VERMONT											
None reported											
U.S. VIRGIN ISLANDS											
None reported											
VIRGINIA											
None reported											
WASHINGTON											
None reported											
WEST VIRGINIA											
Northern Panhandle and southwest along Ohio River	25	6:00 P.M. EST	-	-	0	0	?	0			Squall-line moving eastward
<p>Very heavy rains blocked highways and caused evacuation of several homes in the Northern Panhandle. Wood County Airport reported wind gusts to 69 m.p.h. and Huntington Airport, gusts to 45 m.p.h. In the "heeling area a pilot reported "definite tornado on ground 20 SW FIT-Wheeling, W. Va." via Pittsburgh. Inquiries mailed to our cooperative observer brought no verification.</p>											
WISCONSIN											
None reported											
WYOMING											
Southeast Wyoming	23	Early morning until midnight			0	5	4	5			Wind
<p>Strong winds began early in the morning and continued throughout the day with gusts reaching 75 to 85 mph, causing dust storms. Two house trailers were destroyed, a \$30,000 cinder-block building at Hawkins was destroyed, and numerous windmills, storm-doors, etc. were damaged. Much damage to newly seeded sugar beet and spring wheat fields was done, as well as winter wheat fields. Injuries to people occurred during a number of minor auto accidents caused by low visibilities in dust.</p>											

- * Miles instead of yards.
- ° Includes crop damage.
- 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.

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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