

U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

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STORM DATA

MARCH 1961

Volume 3 No. 3



ASHEVILLE: 1961

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 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									
Sheffield, Colbert County	7	4:00a - 5:30a			0	0	4		Wind
									High winds damaged roofs, felled trees and broke plate glass windows. Several small buildings unroofed.
Mt. Vernon, Bluff County; Kansas, Walker County	7	9:30p-10:22p	25	7	0	1	5	1	Tornado, wind
									Storm hit first in Bluff, Mt. Vernon area where several houses and farm buildings were damaged, then moved on east-northeast through the New River Community to Kansas where several houses were demolished and about 50 other houses or buildings damaged.
Fairview, Cullman County; Hulaco, Morgan County; Eddy Union Grove, Marshall County	7-8	11:40p-12:15a	25	200	0	8	5	1	Tornado
									First damage occurred near Fairview then tornado moved east-northeast across Hulaco, Eddy and Union Grove apparently dissipating after passing Quartersville Dam. About 25 houses destroyed and 50 other houses or buildings damaged. Most damage at Eddy and Union Grove.
Alexander City, Tallapoosa County	8	4:00a			0	0	4		Tornado, wind
									Funnel cloud apparently dipped down unroofing one house and demolishing garage. Other scattered damage to roofs and power lines.
Montgomery, Montgomery County	8	4:30a			0	0	4		Wind
									Roofs and outdoor signs damaged. A few trees uprooted.
Atmore, Escambia County	17	8:30a	4	2	0	0	4	1	Tornado, wind
									Storm struck on northern outskirts of Atmore and moved east-northeast toward Robinsonville. In Atmore area unroofed one house, damaged several other houses and buildings, uprooted or broke off numerous trees.
Turnersville, Mobile County	17	Evening			0	0	4	1	Wind
									Wind blew one house off foundation and damaged another.
Quartersville, Marshall County	18	4:00 am			0	0	4		Wind
									Sustained high winds exceeding 60 mph in gusts caused scattered damage to farm buildings over much of the county with considerable damage to windows, signs, roofs, boats and boat houses in the Quartersville area.
Huxford, Escambia County	28	A.M.			0	0	4	1	Wind
									Several farm buildings destroyed or damaged and numerous trees uprooted. Some damage from high winds reported north of Huxford in Monroe County.
Denzey Community, Henry County	31	Early A.M.	3	1/2 mile	0	0	4	3	Wind, Hail, Rain
									Wind destroyed several barns and damaged several other buildings. House trailer blown over. Hail and rain damaged early corn. Property damage due mainly to wind and crop damage due to hail and rain.
Phenix City, Russell County	31	1:30p	3	150	0	7	4		Tornado
									Tornado struck in southern portion of city destroying 2 houses and a store and damaging more than a dozen other houses. Tornado lifted up and about a mile away touched down to destroy a large stand of trees, a barn and a brick plant.
ALASKA									
			None reported						
ARIZONA									
			None reported						
ARKANSAS									
Lonoke County	6	4:05 p. to 4:10 p.	2 1/2	440	0	0	4	0	Tornado
									Storm moved from south to north 1/2 mile west of the Lonoke-Prairie County line from a point 1/2 mile south to 2 miles north of U.S. Highway 70. This is 2 1/2 miles east of Carlisle. The funnel cloud was observed by several persons. Several out-buildings and a large tool shed destroyed. Several houses and considerable farm machinery damaged.
Jackson, Polkett & Craighead Counties	6	4:00 p. to 5:00 p.	30	7	0	0	4	0	Tornado
									The funnel cloud was observed to touch down at several points between Tupelo in Jackson County to Oswell in Craighead County. Scattered damage along the path. Two houses destroyed and several damaged. Several barns and out-buildings destroyed and damaged. Some livestock killed and injured.
Randolph County	6	5:50 p.							Funnel cloud
									Pilot reported sighting a funnel cloud aloft 28 miles north of Walnut Ridge.
Lynn, Lawrence County	6	1:50 a.	7	7	0	2	1	0	Wind
									Two persons injured when their home was destroyed. There was scattered damage to houses and out-building in the area.
ARKANSAS, (Cont'd.)									
Benton County, between Garfield and Gateway	12	4:00 p.	5	7	0	0	4	0	Tornado, hail
									Considerable damage to houses and out-buildings by both wind and hail. Hail stones averaged 3/4" in diameter but stones to 1 1/2" reported.
Polk County	12	4:45 p.	10	200	0	0	4	0	Tornado, hail
									The storm moved northeastward from a point between Ink and Yucana to a point about 10 miles into the Ouachita National Forest. Much standing timber destroyed in addition to several houses and other buildings either destroyed or extensively damaged. Hail stones were small with no damage reported.
Bush, Carroll County	12	5:15 p.	1	300	0	14	4	0	Tornado
									Principal damage at Penaroma Point, 3 miles northwest of Bush in Northwestern Carroll County. The storm moved to the northeast, touching the ground on the ridge at Penaroma Point. A drive-in cafe, a house and several other nearby buildings destroyed. Five automobiles damaged or destroyed.
Franklin and Johnson Counties	12	5:50 p.	25	15	1	18	6	4	Tornado, hail
									The storm originated in Franklin County to the southwest of Osark and moved northeastward to Woodland in Johnson County. Principal damage in Franklin County was in the vicinity of Pond Creek and Altus where a home was destroyed, injuring 4 people. Several homes and farm buildings were destroyed in Franklin County with property damage estimated at \$100,000. Principal damage in Johnson County was in the Mount Zion, Lone Pine and Woodland areas. A total of 14 injuries and 1 death was reported in Johnson County. Property damage in Johnson County was estimated at \$150,000. As the funnel passed the Altus area, a second smaller funnel was observed to form and follow the larger one. Later the two funnels apparently merged. Hail caused an estimated \$10,000 damage. This damage was principally to spinach in the Osark area in Franklin County. Stones averaged 1" in diameter with some as large as 1 1/2".
Plainview - Yell County	12	5:50 p.							Funnel cloud
									Funnel cloud observed.
Lake Winona - Pulaski County	12	6:50 p.	5	100	0	0	4	0	Tornado
									1,000,000 board feet of standing timber destroyed. No other property damage reported.
Batavia and Bear Creek Springs to Bull Shoals Lake - Boone County	12	6:00 p.	30	2	0	4	5	0	Tornado
									The storm moved from Batavia northeastward, crossing Bull Shoals lake into Missouri. As many as 4 funnels were reported at various points along the path. Four persons suffered minor injury. Several houses, barns and out-buildings were destroyed or damaged.
Perry County	12	6:00 p.	2	440	0	0	4	0	Tornado, hail
									Storm hit between Hollis in Perry County and Stove in Yell County. 75,000 board feet of standing timber destroyed. Two houses destroyed and 15 damaged, two extensively. Some hail damage to roofs.
Perry County	12	6:00 p.	2	440	0	0	7	0	Tornado
									Storm moved northeastward from a point about 8 miles east of Hollis. Several houses damaged, 6 farm buildings destroyed. No estimate of value is available but an estimated ten million board feet of standing timber destroyed.
Perry, Pulaski, Faulkner and White Counties	12	6:00 p. to 7:40 p.	57	440	0	12	6	0	Tornado, hail lightning, wind
									The storm originated on the Perry-Pulaski County line, 6 miles south of Bigelow in the Wye Mountain area. Two houses were damaged in Perry County and no damage was reported in Pulaski County. The storm moved northeastward across the Arkansas River into the Gold Creek area of Southern Faulkner County. There was extensive damage at Gold Creek, Saltito, Friendship, Liberty and Beryl of Faulkner County. A total of 12 persons were injured in Faulkner County and property damage is estimated at \$445,000 of which \$355,000 was due to the tornado, \$75,000 to hail and \$15,000 to lightning. There was extensive hail and some wind damage in the City of Conway. The storm continued northeastward to a point 5 miles north-east of El Paso in White County. The storm again touched the ground 4 1/2 miles north of Seary in White County and remained on the ground for 2 miles. Property damage in the El Paso area is estimated at \$40,000. No injuries were reported. Damage in the area to the north of Seary is estimated at \$80,000. No injuries were reported. A total of 5 funnel clouds were reported to have been observed simultaneously in the El Paso area.

See reference notes at end of table

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 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	
ARKANSAS, Cont'd.									
Marion County	12	8:30 p.	20	250	0	0	5	0	Tornado, hail
The storm moved from between Bruno and Bros northeastward across Marion County to Lake Bull Shoals. There are reports that two funnels were observed by some people. Extensive damage to homes, barns and out-buildings. No hail damage reported.									
Harrison - Boone County	12	6:40 p.	?	?	0	0	?	0	Funnel aloft, hail, rain
This funnel followed by 40 minutes a destructive tornado in the same area. It was accompanied by heavy rain and some hail.									
Searcy County, from Witts Springs to Baker Community	12	7:00 p.	35	800	0	2	5	0	Tornado
The storm moved northeastward from Witts Springs to the Baker Community 2 miles east of Marshall. A total of 30 homes either extensively damaged or destroyed. Only 2 persons received minor injuries.									
De Gray, Clark County	12	7:55 p.	2	50	0	0	4	0	Tornado
The storm moved from southwest to northeast, damaging barns, out-buildings and timber.									
Grant County	12	8:30 p.	11	350	0	0	5	0	Tornado
The storm moved northeastward from a point 1 mile south of Prattville to a point 2 miles north of Sheridan; damage to houses, farm buildings and timber.									
Woodruff County	12	8:30 p.	5	300	0	12	5	0	Tornado
Storm moved northeastward from Union Community, 3 miles east of Augusta, to just south of Beedeville. Houses, barns and out-buildings damaged or destroyed. Farm machinery damaged.									
Newton County	12	9:00 p.	?	440	0	0	?	0	Tornado
Timber damaged in the vicinity of Vendor and Mt. Judea.									
Poinsett County	12	9:00 p.	15	440	0	0	5	0	Tornado
Storm moved from Fisher northeastward to the west and north sides of Harrisburg. Principal damage was in Harrisburg where homes, warehouses, rice dryers, elevators and a shoe factory were damaged.									
Hot Springs National Park - Garland County	17	4:30 p. to 5:00 p.	?	?	0	0	?	0	Wind
A wind storm confined to the City of Hot Springs and the area to the south and southeast of the City caused widespread damage to roofs, awnings, signs, plate glass windows, trees and lake docks. A small plane was damaged at the Municipal Airport. Due to the scattered nature of the damage, no estimate of the total monetary loss sustained.									
Miller and Lafayette Counties	26	9:00 p. to 11:00 p.	22	4-5	0	0	4	0	Wind, hail
The storm entered Arkansas at Texarkana and moved eastward across Miller County and into Lafayette County. There were two long skips in the path. Principal damage was in the City of Texarkana, where several buildings were damaged. Many display windows broken and power and communication lines blown down. Hail with stones up to 1 1/2 inches in diameter occurred but damage from this source was reported as minor.									
Stuttgart - Arkansas County	26	11:30 p.	1 1/2	300	0	6	5	0	Tornado, rain
The storm moved northeastward across the southern portion of the City of Stuttgart with damage confined to the City where the roof was blown off an elementary school and several homes damaged. There was considerable additional damage to the school by water from the accompanying heavy rain.									
Union County	27	7:10 p. to 7:40 p.	?	?	0	0	5	0	Hail
Scattered hail over about one-half of Union County covered as much as 10% of the ground in some localities. Stones from 3/4 inch to 1 inch in diameter reported. Extensive damage to roofs.									
Wilton and Oak Hill, Little River County	29	12:00 to 12:40 a.	5	3	0	0	?	0	Hail
Hail stones averaged 3" in diameter with some as large as 5 1/2 inches reported. Extensive damage to roofs. No crop damage reported.									
CALIFORNIA									
Entire State	16-17				0	0	5	0	Wind
Strong winds associated with a cold front passage damaged utility lines in many parts of the State. Several houses and a grandstand were unroofed in Del Norte County and in the San Francisco Bay region. Wave action in the Santa Cruz area damaged the municipal pier. Highways were closed in southern California, and considerable sand blasting was reported in that area. Lightning damaged homes in the San Joaquin Valley.									
Noyo	27				0	0	4	0	Wind
Three fishing boats were sunk near the mouth of the Noyo River.									
COLORADO									
None Reported									
CONNECTICUT									
None reported									
DELAWARE									
None reported									
FLORIDA									
Lakeland - Polk Co.	18	3:30 pm			0	0			Hail
Hail damage noted over semi-circle of about 20 miles radius north of Lakeland. Some truck crop fields sustained heavy losses. No damage estimate available. Many windows broken. Damage to citrus light and confined to a small area. Hail stones reached golf ball size and covered ground to a depth of almost 2 inches in scattered spots.									
West Hollywood - Broward Co.	21	12:15 pm	Short	Narrow	0	0	4	0	Tornado
Tornado struck Perry Airport, damaging a number of light aircraft.									
Fernandina Beach - Nassau Co.	31	2:50 pm	Short	Narrow	0	0	3	0	Tornado
Tornado moved southwest to northeast.									
Jasper - Hamilton Co.	31	1:50 pm	1/2	100	0	0	2	0	Tornado
Tornado moved southwest to northeast.									
Olustee - Baker Co.	31	1:50 pm	---	---	0	0	---	---	Funnel Cloud
GEORGIA									
Catoosa and Walker Counties	8	2:45 a.	10	100-600	0	0	5	0	Tornado
Storm first touched down west of Ringgold in Walker County where a school building was partially destroyed. Heaviest damage was in Ringgold and in White Oak and Keith Communities of Catoosa County where more than 100 buildings were damaged or destroyed. School building was unroofed and power and telephone lines suffered extensive damage. Many trees were uprooted and heavy losses in poultry and other livestock. Storm moved eastward.									
Ellijay, Gilmer County	8	4:30 a.			0	0	4	0	Wind and rain
Winds shattered windows, uprooted trees and lifted a grocery store off its foundation.									
Blue Ridge, Fannin County	8	4:49 a.	Short	Narrow	0	0	4	0	Tornado
Storm described as a tornado heavily damaged a factory, overturned a house trailer and damaged several automobiles. Moved eastward.									
Fort Benning, Chattahoochee County	8	7:10 a.	1/2	100	0	0	3	0	Tornado
Storm damaged a training building, uprooted trees and destroyed bleachers. Other buildings suffered roof damage. Moved eastward.									
Wayside, Jones County	8	8:30 a.	1/2	100	0	0	3	0	Tornado
Two broiler houses destroyed, 8-9000 chickens killed or missing. One other building unroofed.									
Scattered Areas	8				0	0	4	0	Winds
Squall line winds caused damage in several widely scattered sections. A residence was damaged and outbuildings destroyed on a farm in Troup County. A church in Jefferson County was lifted from its foundation. A chimney of the Randolph County Courthouse at Cuthbert was blown down, causing heavy damage to the roof and damage was reported in rural Carroll County.									
Cartersville, Bartow County	18	7:30-8:30 a.			0	0	4	0	Wind
Strong winds destroyed several broiler houses in rural Bartow									

See reference notes at end of table.

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GEORGIA (Cont'd)									
Lowndes County	18	11:30 a.			0	0	3	3	Wind, hail and rain
									County with an estimated 12,000 chicks being lost. Damage in Cartersville to roofs, trees and utility lines. Same storm condition caused some damage in neighboring Floyd and Polk Counties.
Ellaville, Schley County	31	8:10 a.	1/2	400	0	0	4	0	Tornado
									High winds, hail and heavy rains caused damage about 7 miles north of Valdosta. Several buildings were unroofed, trees uprooted and steel power poles blown over. Hail 3/4 inch in diameter fell in an area of approximately 8 square miles.
Unadilla, Dooley County	31	8:20 a.	1	100	1	14	6	0	Tornado
									Three houses destroyed, three others damaged. Storm moved NE.
Centerville, Houston County	31	8:30 a.	1	200	0	0	4	0	Tornado
									Ten to fifteen homes destroyed, many others heavily damaged. Three-fourths of buildings in town suffered some damage. One man killed when trapped in wreckage of his home. All communications disrupted because of heavy damage to utility lines. Much damage caused by falling trees. Storm moved NE.
Brownsdale Community, Pulaski County	31	8:30 a.	Short	Narrow	0	0	3	0	Tornado
									Utility wires downed and trees uprooted. Porch blown from one house and another home damaged. Much of damage due to destruction of pecan trees. Storm moved NE.
Hickley County Near Cochran	31	9:00 a.	Short	Narrow	0	0	3	0	Tornado
									Three barns unroofed and utility wires and trees blown down.
Garetta, Laurens County	31	9:15 a.	Short	Narrow	0	0	3	0	Tornado
									Several homes, barns and other facilities damaged.
Worth County Near Sylvester	31	10:00 a.	1	400	0	0	4	0	Tornado
									One house unroofed and a church damaged. Truck picked up and carried 100 feet and turned around.
Tattnall County	31	Late a.	Short	Narrow	0	0	3	0	Tornado
									Damaged a church and destroyed barns. Cut a path one-fourth mile wide through pine timber, clipping large trees off a few feet above the ground.
Albany, 25 miles NNE	31	Early p.							Funnel Cloud
Columbus, Muscogee County	31	2:20 p.	?	?	0	0	4	0	Tornado
									Four airplanes destroyed at Municipal Airport by storm that moved across the river after causing heavy damage in Alabama. Roof blown from an apartment house and other buildings damaged. Storm moved E.
Folkston, Charlton County	31	2:20 p.	3	400	0	1	4	0	Tornado
									Service station wrecked and other buildings damaged. Storm moved E.
Atlanta	31	2:35 p.							Funnel cloud
									Numerous reports of deafening roar and funnel cloud over north Atlanta.
HAWAII									
									No report received by printing deadline.
IDAHO									
									None reported
ILLINOIS									
Chicago area	2	Day			0	2	4	0	Wind
									Strong, gusty winds broke tree branches, blew out store windows in Chicago area. 2 women injured when transit authority shelter blown over in Skokie.
Chicago, Morris	4	5:04 - 5:15 p	7 plus	100	1	115	7	0	Tornado
									During passage of a severe squall line tornado developed vicinity of 91st and Hoyne streets and moved on northeasterly track at approximately 42 mph to Lake Michigan in vicinity of South Shore Country Club. Heavy wind damage to farm buildings vicinity of Morris associated with developing Chicago tornado. In Chicago, one man killed when hurled against building, 115 people injured with property damage estimated near \$7,000,000. 3,000 houses and other buildings damaged, 617 of these being heavily damaged. Nine major buildings required demolition. Clocks were stopped at 5:12 pm in area of heaviest damage, 72-74th streets vicinity of Stony Island and 71st and Jeffery. Car with occupant picked up and spun around at roof-top level, carried 1/2 block. 15 persons injured in restaurant when roof collapsed. 1 ton ice vending machine moved 35 feet and deposited in a parking lot. Heavy truck trailers were scattered around, some on top of one another, one on top of a building.
ILLINOIS (Cont'd)									
Arrowsmith, Saybrook, Gibson City, Cissna Park, 5 N. Hoopston	4	4:30 - 5:30 p	56	narrow	0	1	5	0	Tornado
									Tornado moving on ENE track knocked house 20 feet off foundation injuring woman and damaged 6 farmsteads at Arrowsmith. Several farmsteads heavily damaged at Saybrook. At Gibson City, damage to 20 block section with lumberyard destroyed. Cissna Park and area 5 miles N. of Hoopston suffered damage to farmsteads, utility lines and trees.
5 SE Urbana (Myra Station)	4	6:15 p	5	50	0	0	4	0	Tornado
									Heavy wind occurred at Monticello which later developed into tornado approximately 5 miles SE of Urbana. Farm buildings at 3 farms suffered damage.
Jerseyville, Medora, Hitchfield, 5 N. Hillsboro, Siegel, Greenup	6	1:30 a - 3:00 a	120	75	0	3	5	0	Tornado
									A skipping tornado damaged service station at Jerseyville, did over \$300,000 damage at Hitchfield including damage to 150 homes. One woman injured when cut by flying glass. Man injured when his house trailer was hurled 50 feet. Tractor trailer was overturned on route 66. Medora and Hillsboro suffered damage to farmsteads. Tornado touched ground again at Siegel where man was cut by flying glass as house was twisted off foundation. Truck was overturned at Greenup.
Tuscola, Villa Grove, Sidell, Indianapolis	6	4:15 - 4:45 a	32	narrow plus	0	2	5	0	Tornado
									Small tornado toppled outdoor movie screen, turned over 2 house trailers injuring 2 persons at Tuscola. 3 boxcars tipped from railroad track at Camargo. Farm buildings damaged or destroyed at Villa Grove, Sidell and Indianapolis. (Tornado probably continued into Indiana)
Effingham, Newton	6	4:00 a	25	narrow	0	3	5	0	Tornado
									Tornado wrecked concrete block service station at Effingham, knocked over drive-in theatre screen, damaged farm buildings, overturned house trailer injuring 3 persons near Newton.
Flora, Olney	6	4:00 a	25	narrow	0	0	4	0	Tornado
									Tornado tipped over oil rig at Flora, damaged or destroyed trees, powerlines, farm buildings vicinity of Olney.
Chester, Pinckneyville, Sunfield, Wayne City, Browns, Ballmont	6	2:30 - 4:00 a	105	narrow plus	0	0	6	0	Tornado
									A skipping tornado (which probably originated in Mo.) moved ENE at about 65 mph, lifted roof of school, damaged homes and farm buildings at Chester. Moving at tree-top level did much roof damage at Pinckneyville, knocked over utility poles and several farm buildings at Sunfield. 2 house trailers at Wayne City, Browns and Ballmont suffered damage to farmsteads.
Eldorado	6	3:40 a	5 plus	100	0	2	5	0	Tornado
									Tornado did severe damage to business section and area to west of town. There was heavy damage to banks, freight house and other buildings. House trailer overturned with 2 children injured. (This tornado probably continued into southern Indiana).
Northern Illinois	8	Day			0	1	5	0	Ice, Heavy snow
									Heavy snow across northern Illinois caused numerous traffic accidents with resultant injuries. Heavy snow caved in part of a factory roof in Chicago injuring a workman. Several people died as a result of shoveling snow.
Central Illinois	18	Day			0	0	5	0	Ice
									Ice storm caused heavy utility line breakage resulting in serious loss of power, particularly in the Bloomington area. Tree limbs falling on cars caused considerable damage.
Entire State	27	Day			2	19	6	0	Strong winds
									An approaching storm center caused strong gusty winds (generally 50-60 mph) over entire state resulting in considerable roof and building damage. 100 mph gust toppled wind equipment from roof of FAA station in Joliet. At Springfield, a large portion of airport hangar roof was blown off by 74 mph gusts. 2 small aircraft damaged beyond repair and another slightly damaged at Bloomington airport. In Chicago many trees and chimneys toppled and many power lines downed. Man killed when blown from high beam on Straker Township High School. Man killed near twilight when high winds caused a blinding dust storm causing his car to crash into another. In Havana high winds caused large and low to block Illinois river traffic. Mason City TV repairman suffered fractured hip when blown from roof. At Colchester one person cut when plate glass window was blown in.

See reference notes at end of table.

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INDIANA									
Lakeville, St. Joseph County	4	3:50 p.	-	-	0	0	0	0	Funnel cloud
									State police reported funnel cloud moving northeastward.
East Chicago	4	5:25 p.	-	-	0	2	6	0	Wind
									Mobile limestone "bridge", 633 feet long, was toppled by winds bordering the Chicago tornadic activity.
Pike County	6	4 a.	-	-	0	0	4	0	Wind
									Barns, trees and television antennas were damaged or destroyed in or near Petersburg, Winslow, Arthur and Oakland City.
Attica, Warren County	6	5:45 a.	-	-	0	0	3	0	Tornado
									Barn was wrecked by small tornado a mile north and 1/2 mile west of Attica. Roofing was found 120 rods away.
South Raub, Tippecanoe County	6	6:05 a.	-	-	0	0	2	0	Tornado
									Likely small tornado damaged barn with considerable accompanying noise.
Rossville, Clinton County	6	6:15 a.	4	70	0	0	5	0	Tornado
									The tornado moved northeastward through southeastern Rossville damaging a number of houses, garages, cars and 40 television antennas. The tornado may first have touched ground north of Mulberry.
Thorntown, Boone County	6	6:30 a.	-	-	0	2	4	0	Tornado
									Very local wind with tornadic characteristics lifted a 35-foot long mobile home for a distance of 75 feet causing complete destruction.
Kokomo, Howard County	6	6:30 a.	2	300	1	3	5	0	Tornado
									This tornado first destroyed a section of a trucking warehouse then traveled northeastward severely damaging the tops and sides of about twenty dwellings in several blocks. The tornado next struck the top and fourth floor of a well constructed brick building. The wall above the third floor was daved inward but windows remained unbroken. Casualties occurred to people living in the damaged homes
Greentown, Howard County	6	7 a.	-	-	0	0	4	0	Tornado
									A small tornado struck in the southern edge of Greentown lifting a garage over a 25-foot tree before shattering parts were strewn in a 15-foot radius between 100 and 400 yards away. A calf under the tree was uninjured. Hailstones were heard briefly just before the tornado struck. A witness reported it was all over in about 15 seconds.
Austin, Scott County	6	7:06 -- 7:15 a.	1	small	0	3	5	0	Tornado
									This tornado moved northeastward through the northwest corner of Austin and toppled eight smokersacks at a tanning plant, ripped the roof off a home, shattered two house trailers and damaged another.
Sulphur Springs, Henry County	6	7:15 a.	-	-	0	0	4	0	Wind
									Building demolished.
Bluffton, Wells County	6	7:50 a.	-	-	0	0	4	0	Tornado
									"Baby twister" observed one mile south of city limits moving northeastward. Several farm buildings were damaged.
Ferdinand, Dubois County	6	early a.	8	small	0	0	5	0	Tornado
									Tornado apparently traveled northeastward, although not seen or heard, from a point southwest of Ferdinand to Siberia. Damage or destruction of farm buildings was extensive but not concentrated.
Charlestown, Clark County	6	early morning	-	-	0	0	3	0	Tornado
									Pole barn on road 160 northwest of Charlestown was reduced to rubble. Anchor poles were pulled nearly to top of ground.
IOWA									
Northern Divisions 7-8					1		4		Heavy snowstorm
									High winds and heavy snowfalls up to 21 inches at Fayette and 20 inches at Elkader drifted to 20 feet deep in northeast Iowa and interrupted highway travel & closed schools over the northern half of Iowa.
KANSAS									
Osage County	5	5:00p							Electrical
									Lightning struck a barn a few miles west of Osage City. Barn and contents were destroyed.
Wilson County	5	5:45p-5:50p	2	-					Tornado
									Tornado formed near Hwy #75 about 5 1/2 miles north of Altoona. Path was slightly north of east. Three farm properties were damaged. The funnel was observed by several persons.
KANSAS (Cont'd)									
Neosho County	5	evening							Wind
									Severe winds caused local damage at a farm a few miles northwest of Chanute.
Cherokee County	5	evening							Hail
									Roofs and windows were damaged by hail near Baxter Springs. Some stones were as large as hen's eggs.
Wyandotte County	5	7:30p				1			Electrical
									A woman was burned and had 2 perforations made in her left ear drum when lightning struck near the house while she was talking on the telephone in Kansas City, Kansas.
Brown County	7	6:15p					4		Electrical
									A building and considerable printing equipment were lost when struck by lightning in Morrill.
Beno County	12	5:00a-5:30a							Hail
									Almost all roofs in and near Castleton were damaged by a vicious hail storm. Many of the stones were 1 1/2 to 2 inches in diameter.
North Central Counties	11	Late on 11th					3		Hail and electrical.
		12 to afternoon of 12th.							
									A thunderstorm over this area left damages from both hail and lightning. A house and a barn in Smith County were destroyed by separate lightning strikes. A large dairy barn and milking equipment were destroyed when lightning struck about 10:45pm 7 miles southwest of Clay Center. About 6:30am on the 12th lightning damaged a house severely in Junction City and a number of power lines were out of service for varying periods. A woman and 2 girls were injured when lightning struck a home in Onaga in the afternoon. On the 12th soft hail fell from 10am to 10:20 am over an area 5 miles wide and 20 miles long near Minneapolis. Most stones were about 1/2 inch in diameter, little damage resulted. From 11:30am to 12:00 noon hail with stones 3/4 inch in diameter fell in northern Clay and south central Clay Counties. Approximately 100 sq. miles were affected.
Rourbon County	12	5:30p-5:45p	2	100			4		Severe winds, 2 tornadoes and 1 funnel.
									A small tornado caused damage to several farms from 2 1/2 miles to 3 miles southwest of Devon. A much larger funnel remained aloft in its passage over the area. Accompanying severe winds caused some damage also. A second tornado was reported to have traveled a mile or more northeastward a few miles east of Fort Scott but with out damage.
Crawford County	12	Late afternoon							Hail
									Hail with some stones as large as base balls, caused roof damage near Pittsburg and several communities 5 to 15 miles northwest and northeast of Pittsburg.
Johnson County	12	7:30p-8:30p							Electrical
									Sheriff's radio equipment at both Olathe and Overland Park were put out of duty and 2 major fires were started by lightning.
Cherokee County	12	evening							Hail
									Heavy hail caused property damage at Baxter Springs.
Southeastern part of Kansas	26	afternoon and evening				3	5		Hail, Severe winds, electrical, 8 Tornadoes, and Funnel cloud.
									A severe thunderstorm over the area east and south of a line from Wichita northeast to Topeka during the afternoon and night caused various types of damage in numerous localities. The earliest reported was hail damage at Leon and Rosalia about 2:30pm. At the latter place some stones were base ball size and a hard top convertible had about 50 holes punched in its top. One of the occupants was injured. Roofs and windows were the principal damage. A little later severe wind with some indication of tornadic action caused damage near Hartford east of Emporia. About 3:00pm lightning struck a house on the east side of Topeka and a woman's shoulder was pierced by a piece of flying glass. The lightning appeared as a ball of fire. Between 3:30pm and 4:00pm evidently 4 tornadoes occurred in Greenwood County west and north of Eureka. The first tornado touched ground briefly 3 miles east of Heece, no damage. The second at 3:55pm wrecked a number of buildings over a northeast path 2 miles long and 1/2 mile wide in the oil camps at Thrall, 16 miles north of Eureka. One woman suffered shock. A third tornado touched ground briefly at 3:55pm about 2 miles north of Eureka tearing up fences and transmission lines. A few minutes later a fourth tornado came to the ground about 8 miles north of Eureka but without damage. A funnel cloud was observed above Thrall just before the tornado struck from the southwest. About 4:30pm a small tornado made a northeast path 3/4 mile long and 200 yds wide, 1 3/4 miles south of Lebo in Coffey County. A barn and outbuildings were damaged. Between 7:30pm and 8:00pm a small tornado caused some damage as it dipped between buildings at a dairy south of Newton. The dangling funnel was sighted and a violent roar heard. A tornado damaged a number of buildings and farm machinery on 2 farms, about 8:00pm southwest of Girard in Crawford County. The path was toward the northeast, about 2 miles long and 100 yards wide. In Wilson County a small tornado skipped over a path 2 miles long from about 1 mile southwest of the hamlet of Best to 1 mile east northeast about 9:30pm. A number of buildings were damaged. The roar of the twister was quite distinct. Damaging winds were reported in other localities of southeast Kansas from Wichita to eastern Montgomery and most of Labette Counties from 7:00pm to 10:30pm. Damage to trees, transmission lines and buildings was quite severe in Labette County.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1961

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS		
KENTUCKY										LOUISIANA (Cont'd)										
Shelby County	6	7 AM				4			Windstorm	Rapides Parish	30	1:00 a	-	-	0	0	4	0	Hail	
									Part of a concrete wall of a factory under construction was blown down, roofs were ripped off of several houses, and a few barns were leveled.										Hailstones up to 2 1/2 inches in diameter.	
Clark County	6	9 AM			2	4			Windstorm	Evangeline Parish	30	1:30 a	-	-	0	0	4	0	Hail	
									Part of a metal-and-wood roof of a county building was ripped away. Several other buildings and residences were also damaged. Trees were blown across streets.										A colt and 137 ducks killed by hailstones at Burice; other damage surrounding areas.	
Woodford County	13	5 PM				4			Windstorm	Caddo Parish	30	3:45 p	-	-	0	0	3	0	Hail	
									A short lived windstorm leveled three large barns and killed livestock in the barns. Other barns were damaged. Farm equipment in the barns were destroyed or damaged.										Hail up to 3/4 inch diameter over city of Shreveport.	
Christian County	18	AM				4			Windstorm	Avoyelles Parish	30	4:00 p	6	800	0	1	5	0	Tornado	
									Farm buildings were blown down, trees uprooted, roofs blown off or greatly damaged and plate glass windows in business firms were broken by the force of the wind.										Tornado moved toward northeast from Plaquemine through Chinquepin and Choepick communities. Attended by hail and rain.	
LOUISIANA										MAINE										
Book, Catahoula Parish	16	6:30 p	-	-	0	0	4	0	Windstorm	Scattered statewide	5,6,7	-	-	-	0	0	0	0	Glaze	
									Storm began about 11 pm, 16th, with heavy thunder and rain and intermittent hail up to 3/4 inch diameter. At 1:30 am, 17th, roaring sound began, and in few minutes 40-60 homes were damaged. Funnel not seen due to driving rain and hail.											Glazing conditions reported in many parts of the state on each of these dates.
Calcasieu Parish	17	1:30 a	5	300	0	0	5	0	Tornado	Statewide	8-9	Evening to evening	-	-	0	0	4	0	Heavy snow, wind	
									Storm began about 11 pm, 16th, with heavy thunder and rain and intermittent hail up to 3/4 inch diameter. At 1:30 am, 17th, roaring sound began, and in few minutes 40-60 homes were damaged. Funnel not seen due to driving rain and hail.										Snowfall amounts ranged from 8 to more than 12 inches, except down to 5 inches along the immediate coast. Near-gale winds whipped the snow into 2 or 3 foot drifts in some areas. Major impact of storm experienced on 9th as schools and businesses closed down. Transportation became difficult and hazardous, and scheduled flights were cancelled. Numerous skidding accidents occurred. Two storm-related fatalities resulted from heart seizures brought on by overexertion. TV station WGAN was knocked off the air when a wind-felled limb downed a power line. In northern Maine, depth of the snowcover reached 3 1/2 to more than 4 1/2 inches as the new snow fell on a deep residue of previous accumulations. Scattered thunderstorms were reported in southern parts of the state early on the 9th.	
Vinton	17	4:00 a	-	-	0	0	4	0	Severe thunderstorm	West coast and southwest portion	14	Morning to evening	-	-	0	0	4	0	Heavy snow	
									Severe thunderstorm with hail and high wind; timber down; creeks over their banks.										Moderate to heavy snowstorm produced 8 to 12 inches of new snow. Over interior portions of this area, new snow fell on a fairly heavy residue of previous accumulations to produce total depths up to 30 inches. High winds blew the snow into 3 to 6 foot drifts. Schools, stores and business offices closed and air and water traffic were halted. Two storm related deaths were reported—one in a collision of skidding cars; the other of a heart seizure while pushing a mechanical sidewalk snowplow.	
Lake Charles	17	12:30 p	-	-	0	0	4	0	Severe thunderstorm										None reported	
Sulphur	17	11:55 p	-	-	-	-	-	-	Funnel cloud										MASSACHUSETTS	
Sulphur	17	12:45 p	-	-	-	-	-	-	Funnel cloud	Scattered over northeast	6,8	-	-	-	0	0	0	0	Glaze	
Lake Charles	17	1:10 p	-	-	-	-	-	-	Funnel cloud	Outer Cape Cod	8-9	Evening to morning	-	-	0	0	4	0	Wind	
5 mi. west of Baton Rouge	17	3:45 a	-	-	0	0	4	0	Severe thunderstorm										Gale winds to 60 mph, attended by snow turning to rain, produced tides two to three feet above normal. Low-lying coastal roads were washed by the tides and were left sand-covered when the tides receded. Some tree limbs were felled by the strong winds. Street lights in some communities were blacked out as falling limbs downed connecting lines. The 50 foot dragger Liberty snapped its 2 bow lines and went aground; refloated in afternoon high tide.	
East Feliciana Parish	17	1:00 a	-	-	0	0	4	0	Severe thunderstorm	Statewide	14	Morning to evening	-	-	0	0	4	0	Snow, rain	
									Severe thunderstorm with hail and high wind; timber down; creeks over their banks.										Storm yielded 6 to 12 inches over western and north central portions of the State. Elsewhere snow turned to rain, after accumulation of several inches. Many city streets were turned into rivers of slush. Many pedestrians crushed by sheets of ice thrown up by wheels of passing cars. Transportation was slowed or briefly halted, and school sessions in some communities were cancelled because of hazardous travel conditions. Many highway accidents were reported, including one heart seizure fatality resulting from shoveling snow.	
St. Tammany Parish	17	3:00 a	-	-	0	0	0	0	Wind, rain and hail										MICHIGAN	
									Damage mostly by hail.	New Buffalo 15	4	7:10 p	6	425	0	0	5	0	Tornado	
Claiborne and Webster Parishes	27	6-7 p	-	-	0	0	4	0	Hailstorm										Tornado traveling in northeasterly direction struck farm of Lester Walter on Wilson Road, 1 mile south of New Buffalo and completely destroyed a large barn, several adjacent buildings on the farm including the house were seriously damaged. Many people reported hearing a roaring loud noise. Large barn on near by Freeling farm was seriously damaged plus 10 cattle within the building were killed. Several other buildings, barns and homes in the nearby area were also seriously damaged. The main damage track of the tornado was about 1/4 mile wide and 2 miles long. Large trees were uprooted and several utility poles were blown down within the overall area.	
Union, Morehouse and Carroll Parishes	27	7-10 p	-	-	0	0	4	-	Hailstorm											
									Hail up to golf ball size fell over wide area, including Oak Ridge and Lake Providence.											
Shreveport area, Caddo-Bossier Parishes	27	5:45 p	-	-	0	0	5	0	Hailstorm											
									Hail fell over Shreveport and surrounding area; ranged from 3/4 inch to 4 inches in diameter; 10,000 homes damaged Shreveport.											
Caddo Parish	27	5:45 p	Short	Narrow	0	0	3	0	Tornado											
									Unroofed one home 5 miles north of airport; funnel observed.											
Alexandria, Rapides Parish	27	11:10 p	-	-	-	-	3	0	Hail											
									Hail up to 3/4 inch in diameter.											
Morgan City, St. Mary Parish	27	-	-	-	1	2	-	-	Lightning											
Haynesville, Claiborne Parish	27	6:30 p	-	-	-	-	-	-	Funnel cloud											
Ouachita Parish	29	4:00 a	-	-	0	0	0	4	Hail											
									Damage mostly to vegetables in western part of parish.											
East Carroll Parish	29	6:45 a	-	-	0	0	4	0	Hail											
East Baton Rouge Parish	29	4:00 p	-	-	0	0	3	0	Hail											
									Hail 1/2 to 3/4 inch diameter fell 5 miles north of city.											
Rapides Parish	29	4:30 p	-	-	0	0	4	0	Hail											
									Hail up to 2 inches diameter fell in western Rapides Parish.											
Acadia Parish	29	11:30 p	3	300	0	0	5	0	Tornado											
									Homes, barns, sheds, power lines damaged; windows blown outward by pressure inside buildings. Attended by hail.											

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1961

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					KILLED	INJURED	PROPERTY	CROPS								KILLED	INJURED	PROPERTY	CROPS						
MICHIGAN(Cont'd.)											MISSOURI(Cont'd.)														
Southern	6	1:00 p.- 5:00 p.							4	Highwinds	Amity, DeKalb County	5	9:30 p.						3	Tornado	Several farm homes and outbuildings were damaged.				
										High winds damaged several small parked airplanes at Battle Creek Airport and also stripped roofing of 3 nearby buildings. Winds estimated at 80 mph at Grand Rapids blew out the whole wall of a factory. In Lansing, a building under construction suffered serious wind damage plus a few windows were blown out in the downtown area. High winds uprooted trees at Saginaw which snapped powerlines. Falling uprooted trees by high winds caused damage to homes, buildings and a few cars throughout southern Michigan.	Barnett and Gravois Mills, Miller and Morgan Counties	5	10:30- 11:00 p.	16							5	Tornado	One boat yard was demolished. Considerable damage was reported to homes and outbuildings. Numerous large trees were twisted off.		
Southeastern	13	7:00 p. 10:00 p.							1 4	Thunderstorms with lightning, high winds and rain.	South of California, Monticau County	5	10:45 p.						3	Tornado	Several homes and outbuildings were damaged.				
										Lightning bolt struck telephone wire of a home while a woman was talking on the phone at Bridgeport. The woman was deafened and was treated for shock and loss of hearing. Lightning caused 5 building fires with resultant damage in Ypsilanti township. Large modern farm barn was destroyed by lightning induced fire at Alto. High winds caused serious damage to homes, buildings and barns throughout the area.	Stone, Greene, Taney, Webster, and Christian Counties	5	11:00- 11:30 p.								5	Tornado	Considerable damage was reported to lake-front installations. Many homes in these areas suffered damage.		
MINNESOTA											MISSOURI(Cont'd.)														
										None reported	Perryville, Perry County	6	2:30 a.						4	Tornado	Damage was reported to hangars and outbuildings at the airport. This tornado moved on into Illinois, crossing state line near Chester, Illinois.				
MISSISSIPPI											20 mi. NW. of Columbia, Boone County	7	2:10 p.								Thunderstorm	Hail 1 inch in diameter fell.			
Gunnison to Alligator, Bolivar County	7	5:30 p	22	300	0	10	4	0		Tornado	Moved northeast through several small communities.	Springfield and Branson, Stone, Greene, and Taney Counties	12	6:00- 7:00 p.				2	5	Tornado	Demolished planes and damaged hangar. Smashed boat docks at Table Rock Lake. Extensive damage to homes and businesses. Large trees broken and uprooted. Radio tower demolished near Springfield. Two persons injured when wind hit their boat on Table Rock Lake. The damaged areas suggested that either there were several tornadoes or that a single tornado had a very intermittent path.				
Near Starkville	7	8:00 p	Short	Narrow	0	0	4	0		Tornado	Lifted freight cars from siding into path of oncoming train.	7 mi. Se. of Joplin, Cartilage, Jasper and Newton Counties	12	6:10 p.				6	5	Tornado	Damage to homes and outbuildings, trees, and utility lines. Several witnesses report seeing a funnel. There could have been more than one tornado involved. This appears to be a situation where the funnels touched the ground briefly several times.				
Baltzer to Dublin	7	5:45 p	-	-	-	-	-	-		Funnel cloud	West Plains, Gainesville, and Willow Springs; Ozark and Howell Counties	12	7:30- 9:15 p.	50	150	1	23	5		Tornado	One woman killed and several injured when storm hit a church 1/2 miles north of West Plains. Numerous homes and outbuildings damaged. Trees uprooted and power and phone lines down.				
Arcola	7	9:05 p	-	-	-	-	-	-		Funnel cloud	MONTANA														
Central Mississippi Vicksburg-Clarksdale to Louisville-Tupelo	7	5 p-Midn	-	-	-	-	-	5	0	Winds, hail and rain	Central Montana	1	Afternoon	350	* 250	0	1	4	?	High Wind	High winds were reported from Butte north to near the Canadian Border and east to around Lewistown. Gusts reached 70 m.p.h. at Helena, 81 m.p.h. at Great Falls, 81 m.p.h. at Livingston, 77 m.p.h. at Cut Bank, and estimated over 50 m.p.h. at Fort Benton. Scattered damage to power lines and buildings was reported throughout the area. One man sustained minor injuries when a large cattle transport loaded with hogs was overturned on the highway east of Augusta. In the Cut Bank area a 10,000 gallon gasoline tank was blown into the side of a house and did considerable damage. There was extensive soil erosion in Judith Mountain and Moore areas of Fergus County.				
Jackson	17	4:20 p	-	-	-	-	-	-		Funnel cloud	NEBRASKA														
Jackson, 3 SW	27	11:10 p	-	-	-	-	-	-		Funnel cloud	NEVADA														
Jackson	27	11:23 p	-	-	-	-	-	-		Funnel cloud	Hawthorne, Mineral County	15	A.M.					1	1		Wind	Wind gusts estimated at 70 MPH upset a moving truck 8 miles north of Hawthorne, killing the driver and injuring a passenger.			
South Mississippi Rolling Fork to Kipling and Natchez to Merrill	27/28	10 p- 6 a	-	-	0	1	5	4		Wind, hail and rain	NEW HAMPSHIRE														
										A series of thunderstorms occurred in this area attended by heavy rains, high winds and hail at numerous localities. Hail ranged up to soft ball size at several places. One injured by lightning. Damage mostly caused by hail.	Statewide	5,6, 7	-	-	-	-	-	-	0	0	0	0	0	Glaze	Glazing conditions obtained on each of these days in many parts of the State. Date of most common occurrence was the 6th.
10 mi. N. Liberty	28	3:30 a	3	200	0	0	4	0		Tornado	Statewide	8-9	Evening to afternoon	-	-	-	-	0	0	4	0	Snow and wind	Snowfall amounts ranged from 6 to 12 inches generally and up to 15 inches over extreme northern portions. Gale force winds whipped the snow into 2 to 3 foot drifts in places. Impact of storm slowed traffic and transportation. Numerous skidding accidents occurred. School sessions cancelled and some businesses closed, especially in central and northern New Hampshire. Wind downed some signs, tree limbs, etc. Some loss of electric and telephone services reported. Thunderstorms were reported from scattered sections of southeastern New Hampshire early on the 9th.		
Lower Delta	29	Before daylight	-	-	-	-	-	4	0	Wind, hail and rain	Southern portion	14	Morning to evening	-	-	-	-	0	0	4	0	Heavy snow	Storm yielded 8 to 12 inches of heavy wet snow over the area away from the immediate coast. New snow fell on residues of previous accumulations to produce total depths of 20 to 30 inches in many parts of this section. All forms of transportation were slowed or halted. Many school sessions were cancelled.		
Southeast Mississippi	29/30	11 p- 3 a	-	-	-	-	-	5	0	Wind, hail and rain	MISSOURI														
										Thunderstorms with high winds, heavy rain and hail in area from Clarke and Jasper Counties to Forrest and Greene Counties. Damage mostly caused by hail.	Moberly to Hannibal	4	12:20- 1:30 p.							4		Thunderstorm	Intense, rapidly moving thunderstorm. First showed on Columbia, Missouri radar just southeast of Moberly at 12:20 p.m. Moved toward the northeast at 55-60 knots, passing near Hannibal about 1:30 p.m. Hangar roof blown off at Hannibal airport, trees blown down in Hannibal. This storm crossed into Illinois, doing further damage across that state.		
St. Charles, St. Charles County	4	3:00 p.								3	Thunderstorm	St. Charles, St. Charles County	4	3:00 p.							3	Thunderstorm	Hail fell exceeding 1 inch in diameter.		
West Plains, Howell County	5	8:00 p.		100						5	Tornado	West Plains, Howell County	5	8:00 p.		100					5	Tornado	Demolished buildings and utility lines.		
West of Caplinger Mills, Cedar County	5	9:00 p.								3	Tornado	West of Caplinger Mills, Cedar County	5	9:00 p.							3	Tornado	Homes and outbuildings were damaged.		

See reference notes at end of table.

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MARCH 1961

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NEW JERSEY									
Northfield, Atlantic County	23	Mid-day			0	0	4	0	Electrical
									Lightning struck a frame two-family house, burning it to the ground.
NEW MEXICO									
									None reported
NEW YORK									
Statewide	8-9						6		Heavy snow, sleet, freezing rain, scattered thunder-showers
									A foot or more of snow in some localities with 5 to 10 inches over much of the State; freezing rain in more southeastern counties and Long Island area. Numerous driving accidents. Lightning strike caused \$5,000 fire in Buffalo area. Several deaths as a result of shoveling snow and pushing cars.
NORTH CAROLINA									
									None reported
NORTH DAKOTA									
									None reported
OHIO									
Pinecastle	6	8 AM	Short	Narrow	0	0	4	0	Suspected tornado
									This storm occurred along Brown-Adams County line, unroofing several farm buildings, uprooting trees and damaging utility lines. During the same forenoon numerous other localities in southern and western Ohio reported strong winds which broke store windows, and caused light structural damage to barns, houses etc. Among these localities were Fort Recovery, Lima, and Gallipolis. This was part of the same storm system in which a tornado was reported in northern Indiana.
Cincinnati	8	Early afternoon			0	0	4	0	Windstorm
									Power interruptions broken windows and television antennae and miscellaneous light structural damage resulted from strong thunder-storm winds in which gusts reached to 60 MPH. TV station WM-T was briefly off the air due to snapped power cable. Similar damage was reported elsewhere in the state, including Cleveland and Willard where three lightning fires were set.
Cincinnati	13	5 PM			0	0	0	0	Funnel aloft
									A funnel cloud was observed by a pilot on the ground at Lunken airport.
Lima	13	6:30 PM			0	0	4	0	Windstorm
									A parked light plane was demolished by strong winds in which gusts reached 50 MPH. Other damage included downed trees and utility lines over the area. Similar light damage was reported from at Venice, Republic, and Dayton.
OKLAHOMA									
Lincoln, Creek and Tulsa Counties	5	4:00 - 6:30 p.	?	?	0	0	5	3	Hail
									Heavy hail up to the size of golf balls and baseballs with some chunks 4 inches in diameter fell over a path 1-1/2 miles wide and 25 miles long from Wellston to Carney in western Lincoln County. Golf ball-size hail was also reported in western Creek County. Heavy hail mostly one inch in diameter but up to the size of baseballs fell in Tulsa County from the Bixby area to Broken Arrow. Damage to property and vegetable crops was heavy.
Prague, Lincoln County	5	4:45 p.	?	?	0	0	0	0	Tornado
									Ham radio network reported funnel touched ground southwest of Prague and was sighted again aloft northwest of Prague. Evidently struck in open country as no further information available.
Pauls Valley, Garvin County	5	5:15 p.	1	100	0	1	5	0	Tornado, hail, rain
									Bowling alley was destroyed by tornado. Man was injured by falling debris. Hail up to 1-1/2 inches in diameter fell in the area causing considerable damage to property. Storm moved northeastward.
Tishomingo, 5 miles southwest, Johnston County	5	?	?	?	0	0	0	0	Tornado
									Public reported tornado on the ground, evidently struck in open country as no damage reports received. The exact time of occurrence not available but believed to have been between 6 and 7 p.m.
Seminole, Seminole County	5	5:30 p.	15	*1/2	0	0	5	0	Hail
									Hail up to 2-1/2 inches in diameter covered the ground up to 4 inches deep northwest to northeast of Seminole. The hail fell three different times within an hour. Extensive damage resulted to roofs, windows and autos. Apparently this storm first dropped hail in the Percell-Lexington area of McClain and Cleveland Counties where the ground was covered an inch deep and golf ball-sized hail was reported at Tecumseh in Pottawatomie County.
OKLAHOMA (Cont'd.)									
Glencoe, Payne County to Fairfax and Shidler, Osage County	5	5:40 p.	?	?	0	0	4	0	Hail, wind, rain
									Hail up to the size of hen eggs caused considerable damage from just east of Stillwater, through Glencoe, and western Pawnee and Osage Counties. The ground was covered and some hail was still on the ground next morning. Roofs, windows and autos were hardest hit. Winds damaged some outbuildings in western Osage County near Fairfax and Shidler.
Okmulgee, Okmulgee County	5	5:55 p.			0	0	0	0	Funnel cloud
									Pilot reported funnel cloud west of Okmulgee.
Quapaw, Ottawa County	5	8:00 p.	?	?	0	0	4	0	Wind, hail electrical
									Strong winds destroyed a shed and damaged machinery. Lightning started several grass fires and destroyed a night club. Egg-sized hail damaged roofs and windows.
Boswell, 2 1/2 miles southeast, Choctaw County	5	9:15 p.	3	50	0	0	3	0	Tornado
									Three farmsteads were damaged and several head of livestock were killed. Storm moved northeastward.
Most of State	7	p.m.			0	0	4	?	Wind
									Strong winds up to 60 miles per hour caused widespread general damage mostly over western and central sections. Grass fires burned over thousands of acres. The most extensive areas burned were in the vicinity of Blanchard and Guthrie. Several barns were burned. Blowing dust caused minor crop damage in western sections.
Healdton, Carter County	26	1:30 p.	4	*1/2	0	0	4	0	Hail
									Hail up to 2 inches in diameter damaged roofs and windows.
El Reno, 5 miles northwest, Canadian County to Crescent, Logan County	26	2:30 p.	?	?	0	0	4	?	Tornado, hail, wind
									Tornado touched ground momentarily in open country northwest of El Reno. Funnel was next reported near Crescent. Considerable wind damage resulted southwest of Crescent at a resort area and a farmstead. Hail up to 1-1/2 inches in diameter caused considerable damage to roofs, windows and crops. Storm moved northeastward.
Perry, Noble County	26	3:28 p.	?	?	0	0	0	0	Tornado, hail
									Public reported tornado on the ground just west of Perry. Additional information unobtainable. Storm evidently moved into Pawnee County where golf ball-sized hail was reported.
Wynona, Pershing, Osage County; Bartlesville, Dewey, Washington County, to South Coffeyville, Nowata County	26	5:00 p.	50	?	0	2	6	0	Tornado, hail
									Although no funnel was sighted, one witness described the storm as a low hanging square cloud with three tails. Evidently the tornado traveled about roof-top level as evidenced by the debris and a loud roar was heard. Homes and business buildings were heavily damaged in Wynona and Pershing. Two children were slightly injured by flying glass at Wynona. The storm next struck Bartlesville and Dewey where both airports were heavily damaged and roofs, outbuildings, utilities, trees, etc. were damaged extensively. Last evidence of the storm was near South Coffeyville where a farmstead was damaged. Hail up to 1-1/2 inches in diameter fell along the path of the storm as it moved northeastward.
Fame, McIntosh County	26	6:56 p.	40	200	0	1	4	0	Tornado, hail, funnel aloft
									Tornado first struck just north of Vivian, moved through Fame, west of Onaps and east of Checotah. Several farmsteads were damaged. In Fame a church school and several homes were destroyed or damaged and a woman was injured. A loaded auto transport was tipped over. Storm moved northeastward. A second funnel moved northward over Checotah just behind the tornado. The last report of the funnel was near Briggs in Muskogee County. Hail the size of golf balls fell along the path.
Kaw City to Webb City, Kay and Osage Counties	26	8:15 p.	?	?	0	0	4	0	Tornado
									Several homes and outbuildings were damaged or destroyed. Heaviest damage was in Kaw City in a narrow path 2 blocks long. Storm moved northeastward.
Antioch, Garvin County	28	6:30 p.	2	*1/2	0	0	3	3	Hail
									Golf ball-sized hail caused considerable roof and window damage to the Hughes School and teacherage near Antioch.
Roff, Pontotoc County	28	8:00 p.	?	?	0	0	4	0	Hail, wind
									Heavy hail up to one inch in diameter covered the ground. Roofs and windows were extensively damaged. Strong winds drove hail resulting in excessive window breakage.
Broken Bow, McCurtain County	29	?	?	?	0	0	?	?	Hail
									Only information obtainable indicated hail up to 2 inches in diameter damaged roofs and dented autos in an area from Broken Bow northward. The storm occurred in the early A.M.
Konawa, 2 miles north, Seminole County	29	3:00 p.	1	*1/2	0	0	3	0	Hail
									Hail up to 3/4 inch in diameter covered the ground 1-1/2 inches deep. Damage to roofs resipited.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 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.)									
Horntown, Hughes County	29	3:55 p.	Short	Narrow	0	0	4	?	Tornado, hail
			Tornado dipped down momentarily and destroyed a large storage barn. Windows were broken as the tornado passed overhead just before it struck the ground. One-inch hail nearly covered the ground over a 6 by 17 mile path in the Horntown and Lamar area. Every roof in the area had some roof damage. Storm moved northeastward.						
McAlester, Pittsburg County	29	5:30 p.	?	?	0	0	?	?	Funnel aloft, hail
			Public reported funnel aloft 10 miles north-northwest of McAlester. Marble-sized hail accumulated 4 to 12 inches deep with drifts 2 feet deep. Some drifts were still on the ground two days later.						
Northwest Quarter of State	30-31				0	0	4	0	Snow, wind
			Heavy wet snow that accumulated up to 14 inches stuck to wires and trees and caused extensive damage. Utility lines were down all over the area. At least 300 utility poles were reported broken over. Trees and shrubs were heavily damaged.						
OREGON									
North Coast and Willamette Valley	5	Most of the day			0	0	5	3	Wind
			Winds of hurricane force along more exposed areas Oregon coast moved inland with speed of 50-60 miles per hour for considerable distance. Coast Guard reported unofficially observed winds up to 80-90 miles per hour. At least two cases of rescue of boats and crew by Coast Guard. Hundreds of trees down; thousands of interruptions of from few minutes to several hours to power and telephone service; several homes, automobiles damaged by falling trees; number large store display windows, scores windows in homes smashed; many roofs blown off; outdoor movie screen, signs demolished. Several farm buildings collapsed, in one case killing several head of cattle.						
Western and Central Oregon	12-13	Much of both days			0	2	5	2	Wind
			Unofficial wind velocities in coastal areas reported to 80 miles per hour by Coast Guard; between 50 and 60 mph officially recorded in Willamette Valley. At Salem two women were knocked down and injured by wind. Four ships were prevented from crossing Columbia River Bar for several hours. Considerable number of power and telephone service interruptions; several homes and large display store windows broken. Roof and farm buildings damaged fairly extensive.						
PENNSYLVANIA									
None reported									
PUERTO RICO									
None reported									
RHODE ISLAND									
None reported									
SOUTH CAROLINA									
None reported									
SOUTH DAKOTA									
Phillip, Haakon County	24	11:15 pm	Short	Narrow			3		Tornado
			Storm moving in a northerly direction struck a wooden Highway Commission trailer. The walls, framework, and contents were demolished and scattered. The chassis of the trailer was carried intact about 1/4 mile and dropped on the wheels. A nearby home had the porch roof lifted off and laid upside down on the main roof. Three telephone poles in a row were snapped off, while a section in the middle of a fourth pole was apparently blown out. Wind instruments at the Phillip FAA Station recorded winds of 75 miles per hour.						
TENNESSEE									
Fredonia & Koko, Haywood County & Browns Church Community, Madison County	6	5:20 - 6:00 a.m.	45	35	3	1	4	0	Wind
			The storm struck first at Fredonia (near Stanton) where 2 homes and 3 sheds were destroyed and 3 persons were killed. Moving toward the ENR next damage was at Koko where one house and one shed were destroyed. Final damage was at Browns Church Community (near Jackson) where a 5-room frame house was overturned seriously injuring one occupant and a second home was heavily damaged by a wind blown barn. Damaging winds lasted only for about 3 minutes at any location. Path was not continuous.						
South Fulton, Obion County	13	12:00-12:15 a.m.	10	300	0	0	4	0	Wind
			Strong gusts tore off the roof and upper front of a drive in restaurant and wrecked outbuildings. Storm moved toward the northeast.						
Hinesville Community, Bedford County	13	4 p.m.	?	?	0	0	0	0	Hail
			Hail up to "large - marble size" covered the ground. Wind and heavy rain accompanied the hail storm.						
TENNESSEE (Cont'd.)									
McKinville (near), Warren County	13	4:40 p.m.	10	250	0	0	5	0	Tornado
			The storm apparently formed at Morrison where a service station operator reported hail and a funnel. First damage of consequence was to the ENR near Verrilla where a house and two barns were demolished. Next and most severe damage was at Smartt Station where the oldest home in Warren County, an 8 room, two story brick residence built in about 1820, was destroyed. Moving to near Bommer, the tornado unroofed a house and lifted it from its foundation, slightly damaged two other houses and damaged several outbuildings. Leaving Bommer the tornado dissipated on the slopes of nearby Ben Lomand Mountain. At Smartt Station two persons described the funnel as having the appearance of a huge ice cream cone. Hail up to 1 inch in diameter but with an average diameter of one quarter inch was observed over much of Warren County.						
Crossville & Vicinity, Cumberland County	13	afternoon	?	?	0	0	0	0	Hail
			Hailstones up to two inches across were observed. The hailstones piled up to 3 inches deep along the sides of some buildings. Heavy rain accompanied the hail.						
TEXAS									
Rusk County	4	Afternoon	?	?	0	0	3	0	Tornado
			Small tornado touched ground near Lanesville, ripping the roofs off a barn and farmhouse, and uprooting fence posts.						
10 S Marshall, Harrison County	7	Early afternoon	?	?	0	0	0	0	Hail
			Hailstones "the size of golf balls" were reported in the Bear Creek bottom area of Harrison County between Marshall and Harleton. "Golf ball" size hailstones also reported by pilot flying through the area.						
Smith County	7	Afternoon							Funnel aloft
			Sighted 12 SE Tyler.						
Angelina County	7	5:38 p. 6:18 p.	1	*1	0	0	4	0	Wind
			Thunderstorm winds with peak gusts measured at 93 mph struck Angelina County Airport near Lufkin. Two small airplanes demolished, back side of one banger blown in, tin roofing and siding of pump house blown away, several trees blown over, and small house moved by force of wind. Thunderstorm moved from SW toward NW.						
Kerr County	16	2:00 p.	?	?	0	0	?	?	Hail
			Hailstones 2 3/4 inches in diameter fell in an area 75 NW San Antonio. Hailstorm was over open ranch country with no report of any damage.						
6 S Trent, Taylor County	16	3:30 p.	3	100	0	0	3	0	Tornado
			Tornado demolished a barn and windmill on the M. O. Bryan farm. Travelling northeastward, it snapped 2 utility poles, then hit a second barn near an unoccupied farm house. A characteristic "hook" echo was observed on Abilene Weather Bureau radar, and this observation was basis for issuance of tornado warning for that area.						
3 NW Cleburne, Johnson County	16	Afternoon	?	?	0	0	?	?	Tornado
			Tornado touched ground 3 NW Cleburne damaging several farm and ranch houses. On the Dee Hanna farm the storm demolished a shed and hauled a trailer about 800 yards. This was probably a "companion" tornado of the one that formed 10 W of Cleburne and moved to Joshua.						
20 S Abilene, Taylor County	16	4:00 p. 4:10 p.							Funnel aloft
			Observed by Weather Bureau personnel at Abilene. No distinguishing characteristics visible on Weather Bureau radar.						
Burnet County	16	5:00 p.	4	1000	0	0	?	?	Hail
			The area around Lake Buchanan was 2/3 covered with hailstones averaging 3/4 inches in diameter; largest stones 1 1/2 inches in diameter. Damage was light as the storm moved over open country.						
10 W Cleburne, Johnson County	16	5:55 p.	17	?	0	0	4	0	Tornado
			Tornado cut a 17 mile path from 10 W of Cleburne northeastward to Joshua, 7 W of Cleburne. The storm moved across 14 farms damaging several houses and barns. In Joshua, several buildings suffered damage.						
Hearne, Robertson County	16	7:30 p.	?	?	0	0	5	0	Wind
			Thunderstorm winds struck the north and west portion of the city. The County Highway storage barn and one lumber shed were demolished, roofs of 2 business houses, and several dwellings blown off, and several utility poles broken off.						
Near Bellville, Austin County	16	7:30 p.	*150	80	0	0	3	0	Tornado
			Small tornado touched ground in Oak Hill Community in Austin County, demolishing several small buildings, and slightly damaging 2 farm homes. The storm uprooted and twisted several trees. The storm was described as "roaring like a freight train" and moved from SW toward NE.						
Hart, McLemore County	16	7:30 p.			0	0	4	0	Wind
			Strong winds accompanying equal-line thunderstorm demolished a grain warehouse, damaged a grain elevator and broke off several utility poles.						

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1961

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.)									
Jefferson and Orange Counties	17	Morning	?	?	0	0	0	0	Hail, winds, funnels aloft
	A series of hailstorms moved across Jefferson and Orange Counties, with "marble" size hail reported in Beaumont at 4:15 a. and "golf ball" size hail at Silsbee at 11:00 a. Strong, gusty winds were associated with the accompanying thunderstorms, but no significant damage occurred. Funnel clouds aloft were sighted just NE of Port Neches at 1:10 a. and NE of Orange at 6:45 a.								
Lake Buchanan Burnet County	17	Afternoon			0	0	4	0	Winds
	Waves caused by strong winds swamped a new luxury houseboat on Lake Buchanan and beat it to pieces against the dam.								
Culberson County	19	11:20 p.			5	0	4	0	Ice, snow
	Low ceilings, fog, snow, and probably icing conditions were believed to be the cause of an airplane crash at Delaware Springs air strip. The wreckage of the Cessna 182 was found 17 miles SE of Signal Peak in the rugged Guadalupe Mountains area. All 5 occupants were killed.								
Cherokee County	26	Afternoon	?	?	0	0	4	0	Tornado
	Tornado touched ground 4 miles NW of Alto, and in several communities around the Alto area. Most damage was confined to one farm where the roof of the farm home was blown off and all of the barns, sheds, and chicken houses were completely demolished. The funnel carried parts of the barn 4 or 5 hundred yards. The farm family was in their home when the roof blew off but were not injured.								
Dallas Dallas County	26	2:50 p.- 7:52 p.	?	?	0	0	5	0	Hail, wind, funnels aloft
	A series of hailstorms associated with squall line thunderstorms moved across the county. Hailstones averaged 1/2 inch in diameter with largest stones 1 1/2 inches in diameter. Damage was practically all limited to 23 airplanes at Red Bird Airport in extreme SW portion of Dallas, where golf ball size hail and winds up to 80 mph were reported. Only scattered minor damage in the City of Dallas. One or more funnel clouds aloft were reported by the public in the Oak Cliff section of Dallas. The storms moved from west to east.								
Crockett Houston County	26	3:00 p.- 3:10 p.	1 1/2	100	0	1	5	0	Tornado
	The tornado, moving in from southwest, struck the southwest portion of Crockett first, damaging a lumber yard and several houses, skipped the main business district, then touched down again in the northeast part of town unroofing more houses, damaged a hospital, a business house, and a college building. The one injured person was in the hospital waiting room.								
Caddo Mills Hunt County	26	3:00 p.- 3:15 p.	3	1/2	0	0	4	4	Tornado
	Tornado moved from 2 miles southwest of Caddo Mills to 1 mile north of the town. The tornado came to the ground twice, destroying several small houses, barns and sheds, and unroofing others. It missed the residential area by about 100 feet. The tornado, moving from SW to NE was described as "roaring like a freight train," green in color, and "dipping and bounding."								
Johnson County	26	4:00 p.	1	50	0	1	4	0	Tornadoes
	Small tornado struck 5 miles SW of Burleson demolished concrete block dairy barn, tore down power lines, and lifted well house off foundation. It then continued southeast about a mile and tore roof off a shed. Apparently, another tornado at about the same time struck another farm home NW of Burleson, badly damaging a dairy barn. A 2-year-old girl received cuts on face when a windowpane blew out as she was standing on the porch of the farm home. This second tornado went on to the next farm and damaged a hay barn.								
Needmore Community Hopkins County	26	4:00 p.- 4:25 p.	3/4	300	0	0	4	0	Tornado
	Tornado destroyed 3 barns and a vacant house in the Needmore Community east of Salfur Bluff. Trees were uprooted. This was 1st of 3 tornadoes in Hopkins County on the 26th.								
7 S Fort Worth Tarrant County	26	4:30 p.- 4:40 p.	?	?	0	0	0	0	Hail, wind
	Average hailstones 3/4 to 1 inch with largest 1 1/2 inches in diameter. Greatest depth on ground 2 inches. Many of the hailstones were "wafer" shaped. Winds estimated at 60 mph accompanied the storm. One tree 6 to 8 inches diameter blown down.								
Near Mt. Pleasant Titus County	26	4:30 p.- 8:30 p.	?	?	0	20	5	0	Tornadoes
	First tornado touched ground 1/2 E of Mt. Pleasant at 4:30 p.m. demolishing one home and injuring 2 persons (but not seriously), who took refuge in a pick-up truck. A neighbor who watched the tornado said it moved so slowly, he "could have walked and stayed up with it." The tornado "just picked up the house and popped it like a balloon," according to the witness. The tornado touched ground again 9 miles NE, destroying a barn, and uprooting trees. A second tornado struck an area 5-12 miles NNE of Mt. Pleasant at 8:30 p.m., demolishing several homes. 6 of 8 members of one family were injured, 2 children of another family were injured. 7 children of one family were blown over a quarter-mile area, but only one injured. In the 2 tornadoes, 20 persons injured, 8 seriously; 4 homes destroyed, 4 others damaged; 6 farm buildings destroyed, 8 others damaged.								
TEXAS (Cont'd.)									
Pieton Hopkins County	26	7:10 p.- 7:45 p.	4	250	0	0	4	0	Tornado
	Tornado moved through Winterfield community near Pieton destroying several barns and outhouses. Witness said storm "sounded like several freight trains in the air." The storm moved from SW to NE.								
Como Hopkins County	26	7:10 p.- 7:30 p.	2-5	200-300	0	1	4	0	Tornado
	Tornado moved through the edge of Como; it was first sighted 1 1/2 miles east of Reilly Springs. Several homes were heavily damaged, and a number of outbuildings demolished. Heaviest damage was to the Como School. About 1/3 of the roof of the main building destroyed with lesser damage to other buildings. The automobile of one person was picked up as he was driving down the highway. The automobile overturned several times and was blown 50 feet into a field. The occupant escaped injury. The only injury from the tornado, which moved from SW to NE, resulted from flying glass.								
Italy Mills County	26	7:30 p.- 7:35 p.	10	300	0	4	6	0	Tornado
	Tornado, moving from SW toward NE ripped a path 300 yards wide down through the center of Italy. Almost every building on the 1/2 mile long main street of Italy was damaged. Store fronts were ripped out, buildings unroofed, and automobiles sent sailing through the air. A teenage youth was injured when the funnel picked up his car, flipped it several times and smashed it into the ground. Two persons were injured when their house was picked up and moved 12 feet. One person suffered a mild concussion when a roof of a service station fell on the top of his automobile while he was inside.								
Near Mt. Vernon Franklin County	26	7:30 p.	13	400-700	0	1	4	0	Tornado
	Tornado struck 3-4 miles S of Mt. Vernon, completely demolishing 3 homes and damaging several others. A father and 6 children were in one home when it was completely demolished. The occupants were blown from the dwelling, with one suffering minor injuries. The others were unharmed. The tornado moved from SW to NE. A total of 18 farms in Franklin County suffered some damage to homes or other buildings.								
Mabank Kaufman County	26	8:40 p.	?	?	0	0	4	0	Tornado
	Tornado moved across SW section of town, traveling in almost the same path that 2 other small tornadoes have traveled since 1944. Several homes and barns partially unroofed, and minor buildings badly damaged.								
Burnet County	27	Afternoon							Funnel aloft
	Sighted just north of Briggs.								
Westphalia Community Bell County	27	7:30 p.- 7:45 p.	4/6	1/8	0	0	?	?	Hail
	Hail fell in area from Killseon to Westphalia, to Troy, to Temple. At Westphalia, hailstones averaged 2 inches in diameter and fell over a 1 sq. mile area. Largest stones were 3 inches in diameter. The hail damaged automobiles and roofs, shattered windowpanes and automobile windshields.								
Appleby Neacogoches County	27	8:30 p.- 8:40 p.	1 1/2	200	2	1	5	0	Tornado
	Two persons crushed to death, one person injured, seven houses destroyed, one trailer house smashed, several chicken houses demolished and communication line poles twisted down when tornado moved through the Appleby community. One \$20,000 farm home completely destroyed, leaving only the foundation. One home picked up, then slammed down 150 feet east of its foundation, crushing two persons underneath. The house trailer was picked up and hurled 300 feet. The noise from the storm sounded like a train; it moved from southeast toward the northwest.								
Navarro County	27	9:00 p.	short narrow	0	0	0	0	0	Tornado
	Tornado touched ground 1 1/2 miles S of Corsicana; no damage reported.								
Dallas Dallas County	28	5:30 p.- 9:53 p.			0	1	6	4	Hail
	Two squall lines, accompanied by locally severe thunderstorms, moved eastward across Dallas County during late afternoon and evening. Scattered hailstorms and heavy rain showers accompanied these thunderstorms. Hailstones averaged 1 1/2 inches in diameter with largest stones 3 1/2 inches in diameter. Heaviest damage was reported in Grand Prairie and North Dallas. Damage was mostly windowpanes, roofs, and parked airplanes. In North Dallas, hail shattered virtually every south window in Thomas Jefferson High School. The Dallas Association of Insurance Agents gave a "conservative" estimate of "over" \$1,000,000 in damages from 10,000 claims.								
Hainesville Wood County	28	6:10 p.	5	300	0	0	4	0	Tornado
	Tornado moved from NW toward SE into Hainesville community, 7 miles SE of Quitman. 3 barns were demolished. Hail accompanied the tornado cloud, with hailstones averaging 1 1/2 inches in diameter, and largest stones 2-3/4 inches in diameter.								
Karshall Harrison County	28	9:00 p.- 10:30 p.	4	800	0	0	5	0	Hail
	Hailstones averaged 1" in diameter with largest stones 2" in diameter. Most of damage was to greenhouses, neon signs, roofs, and automobiles. Insurance companies reported most of loss was in small to moderate-sized claims. The storm moved from NE to SW. The ground was about 40% covered with hail.								

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1961

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED ¹ DAMAGE	CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS		
UTAH										
Salt Lake, Davis and Weber Counties	18					2	6			Wind
	Strong easterly canyon winds along the western slope of the Wasatch Range from Salt Lake City to Ogden caused an estimated \$1,000,000 damage to buildings and other property. In Salt Lake City two youths were injured when they were blown from a truck. A church building was almost completely demolished in Ogden, electric power and telephone lines were blown down in the area, trees were uprooted, automobiles crushed beneath huge signs, plate glass windows blown in, and various other damage reported. Two empty livestock cars on a moving freight train were blown over near Centerville. Wind gusts to 80 MPH at Ogden Municipal Airport and 84 MPH at Hill Air Force Base tower were unofficially reported.									
VERMONT										
Scattered statewide	5, 6				0	0	0	0		Glaze
	Glazing conditions occurred in many parts of the State on these days.									
Statewide	3-9	Evening to afternoon			0	0	4	0		Heavy snow
	Storm yielded from 6 to 20 inches with most of State receiving from 8 to 12 inches. Traffic and transportation were slowed and numerous storm-related traffic accidents were reported.									
Southeast portion	14	Morning to evening			0	0	4	0		Heavy snow
	Storm yielded 8 to 12 inches of heavy wet snow over this area. Transportation was slowed or briefly halted.									
U.S. VIRGIN ISLANDS										
					None reported					
VIRGINIA										
WASHINGTON										
Olympia	9	4:30 PM				1				Wind.
	Gusty winds blew over a large tree killing a small child. Power and communication outages occurred in other areas of the State.									
Western Washington	19-20						4			Wind
	High wind associated with a Pacific storm moving inland damaged power and communication lines. Several residences and other buildings were damaged by falling trees. Two small seaplanes moored on Lake Washington were turned over.									
WEST VIRGINIA										
HunFington and 15 - 20 miles N&W along Ohio River	6	10:30A			0	0	4	0		Heavy rain and winds with gusts to 60 mph.
	Trees and power lines down resulting in about 2500 homes without electric power temporarily; a few buildings unroofed.									
	High winds buffeted much of the state from the same fast moving thunderstorm belt with Elkins, Charleston, Wheeling, Bluefield and Parkersburg recording gusts in the 30's and lower 50's.									
WISCONSIN										
	25-30				0	0	5	0		Flood
	Tributary rivers and streams in the southwest flooded as a result of rapidly melting snow. The Kickapoo River Valley had its worst flood in ten years. Particularly hard hit were the communities of Soldiers Grove and Gay Mills. In Crawford County 101 families were affected and in Vernon County 11 families.									
WYOMING										
Southeast Wyoming	20	Early evening			0	3	3	0		Heavy Snow Squall
	Heavy snow squall line moved across southeast Wyoming lasting about one hour, ending just before 8:00 PM, contributing to head-on collision of two cars and injuring three people.									

- * 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.

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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