



U.S. DEPARTMENT OF COMMERCE

MAURICE H. STANS, Secretary

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

STORM DATA

Volume 12 No. 4

APRIL 1970

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Alabama									
Jefferson, Shelby, Talladega & Calhoun Counties	1	3:30 a.- 6:00 a.m.	--	--			5	4	Hail
			Hail fell from a large thunderstorm which moved eastward. At Bessemer hail was 1 3/4" in diameter, at Helena 1 1/2" and Anniston 3/4".						
Statewide	1-2	6:00p - 6:00 a.m.			0	0	5	4	Wind, rain, hail
			Thunderstorm associated with a cold front moving southward caused damaging winds in scattered areas statewide. Numerous trees blown over damaging houses and other buildings; numerous barns and other outbuildings damaged or destroyed, mobile homes were overturned and damaged and windows blown out. Damage first reported at Red Bay in Franklin County about 6:30 p.m. on the 1st and reported lastly in the Dothan area about 6:00 a.m. on the 2nd. All damage due to winds, damage from hail and heavy rain negligible.						
Glencoe, Hokes Bluff Etowah County	2	1:20 a.m.	6	200	0	0	5	0	Tornado
			A funnel cloud sighted at Gadsden moved north-northeast touching down about 7 miles south of Gadsden near Glencoe demolishing a service station and mobile home, partially unroofing several houses and damaging several mobile homes. Storm lifted and touched down briefly in Hokes Bluff damaging several buildings.						
Plantersville, Dallas County	2	1:30 a.m.	4	300	0	0	5	0	Tornado
			Tornado touched down in Northern Dallas County uprooting trees which damaged several buildings at YMCA Camp then moved north-east across Highway 22 at Plantersville. One mobile home destroyed and 3 damaged, several houses had roof damage, 2 barns and 1 storage building demolished, numerous trees uprooted.						
Scottsboro, Jackson County	13	Afternoon			0	0	4	0	Wind
			High winds destroyed 1 airplane, damaged 2 others and demolished hangars at airport.						
Eufaula, Barbour County	19	7:30 p.m.			0	0	4	0	Wind
			High winds demolished welding shop and damaged several mobile homes.						
Huntsville, Madison County	24	6:30 a.m.	short narrow		0	0			Tornado
			Tornado touched down about 3 miles north of Huntsville Jetport and damaged a school building and gym taking off a portion of the roofs. A mobile trailer was also damaged.						
New Sharon Community, Madison County	26	7:00 a.m.	8	50	0	0	4	0	Tornado
			Touched down and stayed on ground for about 1/4 mile then lifted and moved east touching down several times. Two houses and garages damaged. Open country and only minor damage.						
Chelsea Community, Shelby County	26	9:35 a.m.	3	300	0	0	4	0	Tornado
			Tornado slipped eastward along Highway 231, twisting off trees, damaging several houses and mobile homes. A barn was demolished and debris scattered over a wide area.						
Talladega County	26	11:30 a - 12:30 p.m.			0	0	4	0	Wind
			Scattered damage from wind to houses and power lines in area between Lincoln, Talladega and Munford. One house unroofed between Munford and Talladega.						
Tin Shop Community, Randolph County	26	early afternoon	1	narrow	0	0	4	0	Tornado
			Tornado severely damaged a store, raised a mobile home up in air and then turned it over, damaged a house and cut a swath through trees.						
Alaska			None reported						
Arizona			None reported						
Arkansas									
East and Central Arkansas	19	Afternoon							
			A cold front developed into a massive north-south squall line in the eastern half of Arkansas. In addition to two tornadoes, numerous billboards and trees were shattered throughout the east-central and northeast counties. Details follow:						
Harrisburg - Polkett County	19	4:15 p. to 4:30 p.	2	100			5		Tornado
			A funnel cloud touched down about 1/4 mile west of Highway No. 1 or 1 mile southwest of the center of Harrisburg and travelled east-northeast a distance of 2 miles lifting into the air just north of Highway 14 about 1-1/2 miles east of Harrisburg. Heaviest damage was to Calvary Baptist Church where the building was jarred from its foundation and part of the roof was blown away. Six trailers were badly damaged as well as falling tree damage to carports, porches and roofs. Also, there was wind damage to Memorial Cemetery and lumber yard in the east part of town.						
Hughes - St. Francis County	19	4:40 p.	1-3/4	50-100	2	4			Tornado
			Small tornado touched down at the West Side Farm about 4 miles west-northwest of Hughes and remained on the ground following a road and travelling straight east almost 2 miles. A small farm home was demolished in which 2 persons had minor injuries. There was considerable damage to roofs and small buildings.						
Arkansas (continued)									
Elytheville - Mississippi County	19	Afternoon					4		Windstorm
			Canning company roof ripped off and walls damaged. Also house trailer demolished and blown on the top of a parked car in the southwest sections of Elytheville. Phone and electrical service was interrupted.						
West-Central and Central Arkansas	23								
			A cold front of squall line proportions produced scattered damage in a path from central Franklin County east-southeastward to the southeast corner of Pope County (Arkansas vicinity). Details follow:						
Ozark - Franklin County	23	9:00 p. to 9:05 p.	1	300			4		Windstorm
			Approximately 2 miles east of Ozark, 2 homes severely damaged with fruit stand and various small farm buildings demolished. "Train-like roaring sound" heard by some.						
Clarksville - Johnson County	23	9:05 p. to 9:20 p.	5	1-3 miles	1	5			Windstorm
			Major wind damage occurred in a broad path from 5 to 7 miles north of Clarksville to Ludwig. In all, 42 homes received minor damage and 4 house trailers were destroyed. Major damage was sustained by at least 60 farm buildings. One person was injured by lightning.						
Nashville - Howard County	24	12:30 a.	1	100			5		Tornado
			Small tornado did considerable damage at Howard County Airport. Six small planes received moderate to heavy losses also 4 small hangars were destroyed. One plane was blown 400 feet into a pasture. Tree damage occurred immediately west of airport.						
Paragould - Greene County	24	12:20 a. to 12:30 a.					5	5	Windstorm
			Wind associated with strong squall line moved through Greene County around midnight. Five persons received minor injury in overturned and demolished trailer home. Oak Grove school suffered roof, window and chimney damage. Also, minor damage to 4 houses.						
Pea Ridge National Military Park - Benton County	30	12:05 a.	1/4	100			4		Tornado
			Home in military park partly unroofed and trees uprooted.						
Russellville - Pope County	30	5:30 p.					3		Windstorm
			Two large trees, one end of chicken house demolished, barn unroofed, milk barn and pump house carried 40 feet by wind in New Home community 2 miles south of Russellville.						
Center Hill - White County	30	8:20 p.	1-1/4	200			4		Tornado
			One home unroofed and badly damaged by tornado as well as by heavy rain that followed. Baptist church damaged by falling trees approximately 1 mile to northeast as funnel cloud lifted off ground.						
Providence - White County	30	8:30 p.					4		Windstorm
			This was a continuation of the Center Hill tornado but struck this community as a straight wind only. 50 feet of chicken house unroofed including uprooting supporting posts. House trailer demolished and other small wind damage to buildings and trees.						
Central and North-east Arkansas	30	Evening							
			Tornado was reported by the public and followed by radar over a distance of 95 to 98 miles. It was first noted by radar about 15 miles southwest of Conway at 5:10 P.M. and the last evidence was about 6 miles southeast of Ash Flat. It moved the total distance in a little over 2-1/2 hours time. The tornado touched down 4 times in this distance with a possible 5th touchdown over the waters of Greer's Ferry where it was observed to "stir up the waters". Details follow:						
Wooster - Faulkner County	30	5:45 p.	4	50			3		Tornado
			Funnel cloud touched down and uprooted trees in churchyard along Highway 25 about 3 miles south of Wooster. Tornado next on ground 1 mile northeast at Raney farm home with trees toppled, one falling on car. Scattered tree damage further northeast to point on Highway 25 about 2-1/2 miles east of Wooster.						
Quitman - Cleburne County	30	6:30 p. to 7:00 p.	8	100			4		Tornado
			Tornado touched down and destroyed a dairy barn just west of Quitman. Then tornado witnessed by persons in Quitman travelling just west and north of town. Between Quitman and Fairbanks (Highway 356, 1 mile west of Cleburne-Van Buren County line) old houses leveled and roofs damaged in scattered locations along a line northeastward to Highway 16, about 3 miles northwest of Pearson. Also some roof damage to church in Crossroads.						

See reference notes at end of table.

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Arkansas (continued) Ben, Marcella - Stone County	30	8:00 p.	7	100			3		Tornado
		Tornado travelled on ground from Cleburne-Stone County line approximately 1 mile west of Highway 5. Extensive damage done to 2 farms including 3 broiler houses near Ben community. Tornado continued on ground to Marcella where trees uprooted and some homes and barns damaged.							
Izard-Sharp Counties	30	7:15 p. to 7:45 p.	25	1/4 to 1/2 mile			5		Tornado
		A large tornado touched down 1/2 mile south of Mt. Pleasant on Highway 69 at the Independence-Izard County line and continued on the ground (except for about 1/2 mile either side of Evening Shade) for a distance of 2 1/2 miles. Eight houses, 2 churches and a mobile home were demolished plus damage to barns and chicken houses. Most of the damage (except to timber) was between Mt. Pleasant and Sidney. The tornado lifted from the ground about 6 miles southeast of Sidney Flat. Its last destruction in this vicinity (approximately 8:30 P.M.) was to the Shilo cemetery where most of the monuments were toppled or broken and all of the trees and fencing was blown down. One home was demolished in Sidney as the funnel skirted just west and north of town. Also, home 2 miles northeast of Sidney unroofed and badly damaged by wind and rain.							
California Stockton	27	4:30 pm	1.5	50	0	0	4	0	Tornado
		During a thunderstorm a funnel cloud touched down at three points, moving in WNW to ESE direction. Trees were blown over, some of them damaging automobiles.							
Northwest of Sacramento	27	5:20 - 6:45 pm			0	0	0	0	Funnel cloud
		A citizen reported to a local radio station the sighting of a funnel cloud near Williams at 5:20 pm. The Sacramento radar observed a hook-echo near Colusa Airport at 5:20 pm moving southward at about 15 knots. The hook was near Arbuckle at 6:20 pm and was dissipating by 6:45 pm. No reports of damage on the ground were received from any of this area.							
Central and Southern California	27-				0	0	0	6	Freeze
		29 Late freeze caused extensive damage to the wine grapes and to some pears and apples. Up to 50% of the grape crop was damaged in the Napa Valley, the Lodi district, and the Mira Loma, Cucamonga-Ontario, and Fontana areas.							
Colorado Most of State	14	All Day					4		Damaging Wind
		High winds caused mostly light but widespread damage to trees, roofs, power lines, and other property. Blowing dust impeded traffic in several areas. Most damage was in the south-central and southwestern portions of the state, and in the northeastern plains. Mountain stations reported red dust accumulation on the snow cover, apparently blown into the state from the west. Wind gusts 45 to 60 mph were common over the state, and some local areas reported higher speeds. Scattered local damage was reported to winter wheat crops.							
Connecticut Statewide	2	12AM-8PM			0	0	4	0	Heavy rain, wind
		Storm began as snow with some northern places receiving up to 8 inches before turning to heavy rain interlaced with thundershowers. Precipitation of 1.8 to 3.3 inches combined with strong winds to cause several power failures and local flooding. Many culverts and some brooks and smaller rivers overflowed. Damage was most serious in north-central sections.							
Delaware State	2	AM - PM			0	0	5	0	Wind, rain and flooding
		Severe thunderstorms, associated with an intense low pressure system and cold front, caused widespread minor damage. The Weather Bureau Airport Station at New Castle reported a sea level pressure of 28.96 inches, one of the lowest ever recorded by this station. There were unofficial reports of wind gusts to 55 miles per hour and even higher. Numerous trees were uprooted and telephone and power lines were downed. There were scattered reports of damage to buildings such as roofs and plate glass windows. A hangar wall at an airport near Middletown was blown out and several airplanes were damaged. In the Wilmington area many basements were flooded. There were also reports of streams in the northern areas that overflowed their banks. Damage was likely to exceed \$90,000.							
Florida Tyndall AF Base (near Panama City) Bay County	2	early morning			0	0	4	0	Damaging wind
		One small aircraft demolished, four others damaged.							
Miami (20 mis. ESE)	5	6:45a							Funnel aloft
Key West (15 mis. SE)	10	2:12p							Funnel aloft
Key West (8 mis. SSE)	10	4:10p							Funnel aloft
Destin (2 mis. E) Okaloosa County	19	7:45p			0	0	3	0	Tornado
		One small building blown off foundation, boat overturned, other minor damage.							
Georgia Newnan, 3 miles south	2	3:25 a	1/4	50	0	0	4	0	Tornado
		Damaged 4 airplanes and airport office building. Demolished a carport and pulled 2 concrete footings up and lifted them over the building. Footings were 18 inches square and 6 inches thick. Moved northeast.							
Forsyth County	2	5:00 a	5	100	0	0	4	0	Tornado
		Small storm hit west of Cumming and then in the Silver City Community north of Cumming. Several poultry houses were demolished and 1000's of chickens were killed. Trees were uprooted and roofs of several houses were damaged. One large poultry house was picked up and dropped on another. About 30 minutes later wind damage was reported near Murrayville in northern Hall County, possibly from the same storm. The storm was moving northeast.							
Byron, Peach County	2	6:20 a	1/4	100	0	4	4	0	Tornado
		Touched down briefly, uprooting several large pecan trees and overturning a mobile home. Four people inside the mobile home were only slightly injured. Funeral was observed moving northeast.							
Arlington, Calhoun County	2	6:40 a	Short	100	0	0	3	0	Tornado
		Storm apparently barely touched down in one area. Roofs of several houses damaged and trees uprooted. Unusual noise and pull of the wind described by witnesses. Moved eastward.							
Hartwell, near	2	6:40 a	5	400	0	2	4	0	Tornado
		Storm hit rural areas south and east of Hartwell. Several large poultry houses destroyed, trees uprooted and 1 mobile home overturned. One poultry house lifted and turned around. Witness who observed funnel said it barely touched down. Two people in mobile home slightly injured. Moved ENE.							
Colquitt County	2	8:00 a			0	0	4	0	Windstorm
		Storm caused extensive damage in the Moultrie and Norman Park areas. Trees were uprooted, numerous roofs damaged and power lines downed. One automobile was blown off the road near Norman Park. Scattered light wind damage was reported at several other places, including the Leesburg area, Thomsville and LaGrange.							
Royston, near	9	5:45 p	3	100	0	0	5	0	Tornado
		Several large poultry houses were destroyed and one mobile home seemed to disintegrate in the path of the storm. Poultry houses appeared to have exploded outward and debris and numerous trees were blown in all directions. One residence was demolished and several other buildings were heavily damaged. Hail 1/2 to 3/4 inches in diameter fell in the same area and in nearby Hart and Elbert Counties.							
Hall and Lumpkin Counties	9	pm			0	0	3	0	Hail
		Hail fell in the Murrayville area of Hall County and the Auraria section of Lumpkin County. Some stones reported as more than an inch in diameter. Hail remained several hours after storm.							
Northeast	13	7:15 p			0	0	3	0	Hail and wind.
		Severe thunderstorms with strong winds and hail up to three-fourths inch in diameter reported in Hall, Hart and Elbert Counties. Damage apparently light.							
Cataula, Harris County	19	9:00 p	Short	Narrow	0	1	4	0	Tornado
		One residence was destroyed and another damaged. Large trees were snapped off and others uprooted. Storm reported as sounding like a train. One person suffered cuts and bruises.							
Ochlocknee, Thomas County	26	4:30 p			0	1	3	0	Lightning
		A man was thrown several feet and dazed when lightning struck a nearby tree and moved into the house on telephone wires. The house and appliances were slightly damaged.							
Scriven County	26	6:00 p			0	0	4	0	Windstorm and hail.
		Two trailer homes were damaged by wind at the Sylvania Air Park. About 30 minutes later a severe windstorm damaged several buildings and uprooted trees near Newton in the southern part of the County. Hail up to golf ball size was reported in both areas.							
Hawaii									None reported
Idaho Shoshone County	1-2	7:30 p., 1st - 5:30 p., 2nd	40	*40	0	0	?	0	Snow
		A late spring snowstorm was locally heavy in the Kellogg-Wallace area during an overnight storm. The wet snow varied from 4 inches at Kellogg to 9 inches at Wallace and caused power and telephone outages and broken shrubs and trees. Up to 15 inches of snow fell in the upper elevations with 14 inches reported at Mullan. Nearby Lookout Pass experienced snarled traffic for several periods on both sides of the Pass.							

See reference notes at end of table.

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Idaho (continued)										
Elmore County	13	8:00 - 9:00 a.	--	--	0	6	4	0	Wind	
		Dust churning winds ripped an 8 by 40-foot patio roof from a new home in Glenns Ferry. These southerly winds also produced clouds of dust along Highway 30, 8 1/2 miles east of Mountain Home where five of six automobiles were demolished in a pileup during low visibility. Six persons received face and leg lacerations and one lady suffered a broken wrist.								
Shoshone, Lincoln County	13	Morning	--	--	0	1	0	0	Wind	
		A lady babysitter broke her leg when gusty wind caught a screen door she was opening. She held to the screen and was pulled outside and fell.								
Southern Idaho	13-14	p.m., 13 a.m., 14	--	--	0	0	4	0	Wind, rain and snow	
		Strong southerly wind across northern Utah carried dust and salt into southern Idaho. Muddy rain laden with salt was the reported cause of severe power outages in the Burley-Rupert-Minidoka area. The brine solution deposited on insulators causing them to short out. Fire flying from insulators was carried to the ground. One electric company used the Rupert rural fire truck and followed along the affected lines washing the salt off where it had corroded insulators. Electric outages in the Minidoka area were not restored for two days. The rains turned to snow by evening in the Shoshone area and higher elevations. Shoshone reported nearly 6 inches of snow by the morning of the 14th and even Chilly Barton Flats in Custer County reported 5 inches of very dirty snow containing salt. Snowfall of 5 to 6 inches was reported in the Eastern Highlands and salty rain and snow was also reported at Arbon, Power County.								
Cassia, Bannock and Caribou Counties	19-20	Eve., 19-9:00 a, 20	--	--	0	0	4	0	Snow and wind	
		A late-season snow storm in eastern Idaho dumped up to 6 inches of snow in the Pocatello and Grace-Conda areas. Wind gusts up to 45 mph in the Pocatello area near midnight caused 4-to 5-foot drifts in the city and collapsed a patio roof. Strong wind at Malta leveled the framing of a new home under construction.								
Southern third of State	27-28	Eve.-27th Morn, 28	--	--	0	0	7	?	Snow	
		An unseasonably heavy snowstorm in northern Utah provided generally 3 to 6 inches of wet snow cover across southern Idaho. Some snow cover up to 8 inches deep was reported in the Pocatello area where schools were closed. Two-foot drifts were reported in the Castleford area. Roads cleared quickly but caused some snarled traffic.								
Illinois										
Macon County	12	9:40p			0	0	4	0	Wind	
		Four mobile homes overturned near and in Deatur and tree limb and power line damage.								
Champaign County	12	9:50p			0	0	0	0	Hail	
		Mostly pea size hail but some to 3/4".								
Alexander County	19	4:50p	short	narrow	0	0	3	0	Tornado	
		An unoccupied mobile home was overturned and another shifted position 1 1/2 feet, roofs were damaged and windows broken near Olive Branch. "Freight train" sound reported and a funnel cloud sighting had been reported earlier.								
Vermilion County	19	7:50p			0	0	4	0	Wind, funnel cloud	
		Funnel cloud reported moving north to Hoopston at 7:43p and some windows were blown out with minor structural damage but no sign that tornado had touched ground. Heavy rain totaling more than 3" fell in several periods of thunderstorms. Lightning about 2 a.m. had killed 35 head of cattle in a feedlot at Hoopston. Minor lightning damage to home in vicinity.								
Northern Illinois	22	8a-10a							Hail, heavy rain	
		Numerous reports of hail with large hail as indicated. 8:20 a.m. at Fulton - hail 1/2 to 1" and some wind damage; 9:00 a.m. at Dixon - hail to 1" completely covered ground; 9:20 a.m. at Rochelle - 1/2" hail with some 1" mixed; 9:20 a.m. at Oregon - 3/4" hail; 10:00 a.m. at Maple Park - 1 3/4" (golf ball size) hail. A funnel cloud was reported 15 SW of Sterling at 8:43 a.m.								
St. Clair County	23	7:30p							Hail	
		1 1/2" hail at Dupo at 7:30 p.m. and 1" hail at Belleville at 7:40 p.m.								
Jackson County	27	evening			0	0	4	0	Lightning	
		Estimated \$7,000 damage to house and contents by lightning near Puma.								
Iroquois County	28	00:55a							Hail	
		Hail for 4 minutes at Danforth, up to 3/4".								
Cook County	29	11:45p							Hail, funnel cloud	
		3/4" hail reported at Oak Lawn. Several funnel cloud sightings were reported, but not confirmed, about the same time.								
Illinois (continued)										
McLean County	30	12:30p	short	narrow	0	0	5	0	Tornado	
		Tornado reported to have dipped briefly several times as it moved northeast. Extensive damage to lumber yard in southern McLean Co. and may have damaged small buildings further along path. (PIA)								
Cook County	30	2:25p	?	?	0	0	4	0	Tornado	
		Tornado reported in northwest Chicago, damage mostly to trees and windows and power lines; CHIF, Chicago.								
Indiana										
Majenica, 1 mile S. (Huntington County)	15	E.S.T. 6:30a.					3	3	0	Fog
		Three persons injured in a 4-vehicle crash								
Evansville, business area	19	8:57p	Short	Narrow	0	2	4	0	Wind	
		Winds damaged windows, signs and power lines.								
Poseyville, 4 miles N. (Gibson County)	19	9:00p	2 to 3	Few	0	0	4	0	Wind	
		Wind damage began about 1/2 mile west of State Road 165 in south Gibson county. Greatest damage was to trees, small buildings and telephone lines. Some tree and power line damage reported throughout county. House trailer and trees damaged at Patoka.								
Vincennes (Knox County)	19	p.m.	?	?	0	0	4	0	Wind	
		Trailer home damaged. Roof torn from part of railroad freight office. Grain bin toppled. House damaged by falling tree.								
Petersburg, near (Pike County)	19	p.m.	Short	Narrow	0	0	4	0	Wind	
		Two trailer homes destroyed. Trees, TV antennas and utility lines damaged.								
Bloomfield, near (Greene County)	19	9:30p - 9:45p	3/4	50	0	0	5	0	Tornadoes (2)	
		One tornado touched down north of Bloomfield and then moved north-eastward. A second, which touched down in the Plummer area, south-west of Bloomfield, moved eastward. Numerous homes and farm buildings in the area were extensively damaged.								
Lawrence County	19	p.m.	?	?	0	0	4	0	Wind	
		West of Bedford a barn was destroyed. Telephone and power failures were reported throughout the county. South of Mitchell a Drive-In theater screen was demolished.								
Monroe Reservoir (Monroe County)	19	9:45p - 10:10p	**100	Narrow	0	0	5	0	Tornado	
		Night-watchman at Four Winds Marina observed tornado moving from SE to NW dip and damage dock and boats an estimated \$100,000.								
Bloomington (Monroe County)	19	E.S.T. 9:45p - 10:10p	?	?	0	6	5	0	Tornado, wind	
		House was carried 75 feet at Highland Village, a westside suburb. Several other houses were damaged, trailers overturned, and five planes damaged at Monroe County Airport.								
Versailles, 4 miles S. (Ripley County)	19	10:00p - 10:25p	4	50	0	0	3	0	Tornado	
		Tornado moving toward northeast demolished a three-car garage and three farm buildings.								
Knightsville (Clay County)	19	10:45p							Funnel	
		Public reported sighting funnel aloft.								
Greencastle, East (Putnam County)	19	10:45p							Funnel	
		Funnel aloft, moving toward northeast, reported near Greencastle.								
Cortland, near (Jackson County) and Hayden, West (Jennings County)	19	10:45p	Short	Narrow	0	0	4	0	Tornado	
		Sheriff's deputies reported small twister damaged farm buildings five miles west of Seymour. Path indicated tornado moved in northeasterly direction and touched down briefly again near Hayden where farm buildings were damaged.								
Indianapolis	19	About 11:00p	?	?	0	0	7	0	Funnel, wind	
		Off-duty policeman observed funnel in area of Kessler Blvd. and 38th St. Wind damaged trees, roofs and utility lines.								
Boone, Hamilton, Hendricks, and Marion Counties	19	11:00p - 11:30p	?	?	0	0	4	0	Wind, lightning, funnel	
		Severe wind damage reported in Lebanon. Other Boone county areas hit were Pikes Crossing and Zionsville. A barn 7 miles south of Lebanon burned from lightning caused fire. At Brownsburg (Hendricks County) 5 airplanes were damaged. Coatsville also reported wind damage and sighting of funnel. Raceway Park at Clearmont (Marion County) estimated damage of \$30,000. Some wind damage was reported in Sheridan area of Hamilton County.								
Columbus (Bartholomew County)	19	E.S.T. About 11:00p	?	?	0	1	4	0	Wind	
		Three mobile homes were overturned and two others moved from foundations. One person was injured.								

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Indiana (continued)									
Swayzee (Grant County)	19	Late p.m.	Short	Narrow	0	0	4	0	Wind, rain, funnel
House trailer was toppled, power lines downed by flooding resulted from heavy rain. Funnel also reported in area.									
Kokomo, 6 miles SE (Howard County)	19	11:45p. - 12:00a.	Short	Narrow	0	0	4	0	Wind
Barn flattened and TV antenna damaged.									
Washington, near Daviess County)	23	5:45p.			0	0	4	0	Lightning
Fire caused by lightning destroyed barn. Estimated damage \$20,000.									
Washington (Daviess County)	24	12:05a.	Short	Narrow	0	0	5	0	Tornado, wind
Center section of town heavily damaged. Store windows broken. Merchandise from some stores littered streets as if sucked from buildings. Bricks tossed across street. Trees uprooted. Resident on nearby farm saw tornado dip down and destroy barn.									
Indianapolis, IN	29	2:15p. - 4:30p.	?	?	0	0	3	3	Hail, rain
Heavy rain and 1-3/4 diameter hail reported.									
Versailles, 1/2 mile SW (Ripley County)	29	4:30p. - 5:10p.	1/2	10	0	0	3	0	Tornado, rain
Resident observed tornado which deroofed house letting in torrents of rain. Porch and carport demolished.									
Dillsboro (Dearborn County)	29	5:00p. - 5:30p.	5	*3	0	0	5	4	Wind, hail, rain
Dillsboro had damage to roofs, siding and all windows on north side of every building in town. All gutters and awnings destroyed. Water damage was heavy. Three to four inches of rain fell in 45 minutes. Golf ball size hail pelted about one square mile area. All windows in a green-house were destroyed. Retirement home damages estimated at \$50,000. Ninety percent of all roofs in entire town will need replacing. Thirty mobile homes demolished.									
Elrod (Ripley County)	29	E.S.T. 5:30p. - 6:00p.	7	*3	0	0	5	4	Tornado, hail, rain
House and barn destroyed. Home and Church windows broken and roofs of many buildings battered. Hail reported from golf ball size to four inch diameter damaged cars and wheat crops.									
Fort Wayne, 7 miles S	29	5:20p.							Funnel
Public reported funnel aloft moving NE along Highway 27.									
Huntington County	28	About 6:00p.	13	?	0	0	5	4	Hail, wind
Storm path from Mt. Etna northeasterly toward Huntington, then east to Markle showed damage to roofs and trees. Airplane demolished near Mt. Etna. In Markle grain bins damaged an estimated \$30,000. Hundreds of windows shattered by golf ball size hail.									
Southeastern Indiana Counties: Ripley, Dearborn, Ohio, Switzerland)	29	About 6:00p.	?	?	0	0	5	4	Wind, hail, rain, lightning
Severe wind and electrical storm with heavy rain and hail caused extensive damage in four counties. A silo was toppled at Napoleon and some buildings destroyed. At Osgood trees were downed and cattle killed by lightning. In Milan a trailer home was destroyed when wind carried it 30 feet from foundation. Two barns were demolished near Queros Grove. At Rising Sun some farm buildings were blown down. A two story brick dwelling was demolished at Patriot. Also a mobile home was blown apart, some roof damage occurred, two barns and other farm buildings nearby were extensively damaged. Bands of hail caused extensive damage in scattered areas and heavy rain resulted in flash flooding. Vevey had flood and wind damage. At Aurora strong wind and damaging hail reported.									
Fort Wayne	29	Late p.m.	?	?	0	0	?	?	Funnel, hail, wind
Public reported funnel moving eastward at 30 miles per hour. Beer Field had 3/4 inch diameter hail and gusts to 50 knots.									
Iowa									
Central Iowa	5	5:00 p	120				4		Windstorm
Winds to 65 or 70 mph, unroofed buildings, damaged trailers and uprooted trees (in Oskaloosa) mostly from Wright County across Polk, Marshall, Jasper, Poweshiek and Mahaska Counties. Losses around \$40,000.									
Mitchellville, Polk County	5	5:00 p							Funnel cloud
Grinnell, Poweshiek County	5	5:00 p							Funnel cloud
Blakesburg, Monroe County	12	5:00 p							Funnel cloud
Killduff, Jasper County	12	5:30 p					4		Windstorm
Statewide	19	Afternoon & Evening				2	5		Windstorm
A motorist trapped in Des Moines by falling power poles. Davenport injuries due to a falling tree on a house. Damages near \$50,000.									
Iowa (continued)									
Southeast Iowa	22	8:00 a							Windstorm
Scattered wind damage included Bonaparte, West Liberty, and Keosauqua.									
Clinton County	22	8:00 a					5		Hailstorm
At Clinton hailstones to 2 inch diameter and piled 3 inches deep. Also wind damage as winds reached 75 mph. (45%). Also hail at Camanche.									
Statewide	22	Daytime					5		Windstorm
High winds caused widespread minor damage.									
Lineville, Wayne County	29	3:30 p				800	6		Tornado
80% of the buildings damaged. Moved from Missouri ending in Iowa 3NE of Lineville.									
Union County	29	3:30 p					5		Hailstorm
3 inch diameter hail at Creston, damaged autos, broke windows.									
Decatur and Wayne Counties	29	3:30 p					5		Hailstorm
Hail and high wind (40%) paralleled tornado path and north of path.									
Batavia, Jefferson County	29	4:55 p					4		Hailstorm
Hail 1 3/4 inch diameter in east Wapello and west Jefferson Counties.									
Marshall County	29	5:00 p					5		Windstorm
Van Buren County	29	5:40 p					5		Hailstorm
Hail 4 inches deep, broke school windows at Stockport, also wind damage (50%). Homes severely damaged near Stockport.									
Kansas									
Sedgewick County	11	10:20 p.	?	?	0	0	2	0	Hail
Hail up to 3/4 inch diameter fell in the Wichita vicinity.									
Western two-thirds	12	mostly daytime			0	0	4	3	Wind
Strong winds over a wide area caused scattered damage. Damage was reported in the following counties: Logan, Ottawa, Rice, Russell, Seward, and Thomas. Wind gusts to 72 mph occurred locally in northwest Kansas.									
Wyandotte County	15	Unknown			0	0	4	0	Lightning
Damage occurred at Kansas City, Kansas.									
South central	17-18	Night of 17-18			0	0	4	4	Wind, hail
Wind damage to a barn and house occurred about 7 mi. northwest of Argonia. About \$10,000 damage to property and \$20,000 to crops was reported in the Lewis area from wind and small hail at 11:30 p.									
North central, north-west portions	17-18	Night of 17-18			0	0	5	0	Wind, lightning
Lightning damage occurred locally in Phillips and Cloud Counties. Wind damage was reported at Hill City, Stockton, and Smith Center. Heaviest damage was at the Hill City Airport where wind gusts hit 73 mph about midnight.									
Southeast one-fourth	17-19				0	0	5	4	Rain
Heavy rains, totalling over 7 inches in some localities, caused considerable flash flooding. Some of the counties reporting flooding were: Butler, Elk, Coffey, Allen, Sumner, Cowley, and Bourbon. Major flooding occurred along Pottawatomie Creek and along the Arkansas, Marais des Cygnes, Marnaton, and Walnut Rivers.									
Southeast portion	26-27	Night of 26-27	?	?	0	3	5	3	Wind, hail
Heaviest damage was in the Chanute area; wind gusts hit 71 mph at the Chanute Airport at 11:10 p.m. Damage also occurred in Chautauqua, Cherokee, and Wilson Counties. Hail up to 3/4 inch in diameter fell at Sedan before 10:33 p.m.									
Montgomery County	30	about 1:15 a.			0	0	4	0	Wind
Strong thunderstorm winds destroyed a radio tower and severely damaged another one near Coffeyville. Winds were unofficially reported at 85-90 mph.									
Anderson County	30	about 4:15 a.			0	0	4	0	Lightning
A lightning-caused fire destroyed a barn and contents.									
Harvey, Marion Counties	30	about 5:00 p.	?	?	0	0	4	0	Wind
Strong winds damaged a school building at Hesston and a farmhouse near Goessell.									

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Kentucky			see data	at end of table					
Louisiana Caddo and Bossier Parishes	19	4:00 - 4:30 a.	6	50	0	2	4	0	Tornado
			Moved east-northeast from the northern edge of Wallace Lake to Taylortown through rural area. Path not continuous on ground. Numerous trees "topped", with debris showing rotation. Telephone and electric poles downed. One mobile home turned over, residence, three tenant houses, barns and tractor sheds damaged.						
Webster Parish	19	4:30 a.							Funnel Cloud
			Sighted at Minden. No apparent touchdown.						
Rapides and Grant Parishes	19	6:30 - 7:30 a.			0	1	4	0	Wind
			Trees uprooted and limbs broken at Georgetown and Montgomery. Barn unroofed south of Boyce and church bell tower damaged. Strong winds demolished house trailer 7 miles south of Alexandria on La. Hwy 1. One child slightly injured.						
Northwest Parishes	25	6:30 - 8:30 p.			0	0	4	0	Wind, Hail
			Some powerlines and trees downed by winds in Shreveport area. Heavy rains, high winds, some hail in northern sections of Caddo and Bossier Parishes. Hail 1 3/4 in. in diameter reported at Minden, Webster Parish around 8:20 p., with 20 to 25 m.p.h. winds. Hail and some wind damage also at Homer, Claiborne Parish.						
Claiborne and Lincoln Parishes	25	8:57 - 9:20 p.	21	1/2*	0	0	4	0	Tornado
			Louisiana State Police reported storm initially in northeast edge of Athens moving east-northeastward. Trailer overturned, no injuries. Path not continuous, but traced to near Dubach. Damages confined primarily to timber.						
Maine State	2-3				0	0	4	0	Rain, snow, wind
			Heavy, wet snow, totalling mostly 6 to 12 inches in the northern portion on April 2, combined with strong wind to cause local damage to trees and utility lines. In the south the storm began as snow but changed to rain with slush causing very hazardous roads. Much local washing and flooding, especially in coastal areas where precipitation totals were mostly 2 to 3 inches, with some greater. Many cellars flooded. Some further wind damage on April 3, after precipitation ended.						
Maryland State and District of Columbia	2	AM - PM			1	1	6	0	Wind, rain and flooding
			Severe thunderstorms, associated with an intense low pressure system and cold front, caused widespread, mostly minor damage and at least one death. Based on records dating back to 1871, the sea level pressure of 28.86 inches was the April lowest as observed by the Weather Bureau at Baltimore. The fastest mile wind observed at the Weather Bureau Airport Station, Baltimore, was 56 miles per hour; however, there were unofficial reports of gusts to 70 miles per hour and even higher across the state. A Bowie rainfall station reported 1.8 inches of rain during a 30-minute period. Buildings under construction at such scattered locations as Emmitsburg, Baltimore and Cambridge were blown down; also, several barns and many lesser farm buildings were demolished or overturned. One man was killed when gusty winds were reported to have caused his truck to overturn on the Baltimore beltway. There were a number of trailers overturned. Flooding occurred along many rivers and streams, especially in Cecil County and in western counties. A combination of high tides and strong winds brought flooding to low-lying areas in the Potomac River and Chesapeake Bay areas. Tides on Eastern Shore were reported as much as three feet above normal. Piers at Betterton, Kent County were damaged by wind and tide. Numerous large trees were uprooted; roofs were damaged or blown off; and power and telephone service was interrupted, particularly in northern and western areas. Near Parkland, Washington County, rains were blamed for a rock slide which derailed a freight train and injured one of the crew members. Total damage for these storms was likely to exceed \$500,000.						
Patuxent Naval Station (35 miles Southeast)	9	6:25 p.							Waterspout
			A waterspout was sighted by aircraft. Direction of movement was not known.						
State and District of Columbia	14	All day							Heavy rain
			Two-inch totals were quite common and a few totals such as the 3.35 inches at Princess Anne were record-breaking one-day April rainfalls. Flooding, however, was less than that of April 2nd.						
Massachusetts State	2-3				0	0	5	0	Rain, snow, wind
			Heavy precipitation on April 2, mostly 2 to 4 inches, caused washouts and local flash flooding of streams and roads. Many cars stalled in water. Widespread cellar flooding. Though all or nearly all rain in the Cape Cod area, the storm began elsewhere as snow with mostly 1 to 4 inches of snowfall before changing to sleet and then rain. Resulting slush made roads treacherous. Rain caused a mudslide at Westfield, damaging an industrial building. Rain also weakened the Crystal Lake dam in North Chelmsford, which failed on April 4, with local flooding. Gusty winds increased during the afternoon of April 2 and continued all of the 3rd. The peak storm gusts occurred in some areas on the 2nd and on the 3rd at others. Gusts quite generally were 50 mph or more and in some areas 70 mph or more. Some peak velocities reported were: 90 mph at Bourne, 85 at Sandwich, 80 at Falmouth, 76 at Blue Hill in Milton and at Cheshire, 74 at Buzzard's Bay, 70 at Provincetown, and 60 at Danvers. Trees and branches fell, breaking many utility lines. Some buildings were de-roofed. In Fall River a garage was toppled. The Maritime Academy at Buzzard's Bay was extensively damaged by a gust estimated at 100 mph. Some toppling trees damaged buildings. Many towns reported breakage of plate glass windows. Signs, chimneys, antennae, etc., were damaged. The southern coastal area pastward from Rhode Island was battered by the high winds and tide surges up to 3 ft. above normal. Some boats and coastal installations were damaged.						
Cape Cod	21	evening			0	0	4	0	Lightning
			Lightning caused some utility failures and minor damage to buildings. In Orleans a home was destroyed by fire believed to have been due to lightning.						
Michigan Southern Michigan	1-2	PM-PM			1	0	5	0	Heavy Snow - Lightning
			Record 24-hour April snowfall, 17 inches at Lansing, brought traffic to a near standstill. Weight of snow and ice snapped many power lines and toppled trees in many areas. Rural Vestaburg man left home, apparently became confused and lost in the heavy snow and near zero visibility. He was found 5 miles from his home. His death was the result of exposure to the elements. The heavy snowbelt, about 100 miles wide extended from Benton Harbor through Lansing to the Thumb area. Lightning set a house and barn on fire near Marshall.						
Eaton Rapids, 1 N Eaton County	29	8:10 PM	2	70	0	0	4	0	Tornado
			Two houses damaged, 1 barn destroyed, trees and power lines snapped off by small funnel moving east-northeastward along M99. Total damage estimated at \$10,000.						
Jackson, 12 NW Jackson County	29	9:40 PM	0	0	0	0	0	0	Funnel Aloft
			Funnel aloft followed by Calhoun County sheriff, no touchdown.						
Lansing, 9 SW Eaton County	30	6:23 PM	1 1/2	70	0	0	4	0	Tornado
			Tornado damaged 8 homes, 2 mobile homes. Funnel aloft observed over a distance of about 15 miles as it moved northeastward within view of Lansing Weather Bureau Office. Damage estimated at \$40,000.						
Jackson, 22 SE Lenawee County	30	7:54 PM			0	0	0	0	Funnel Aloft
			Funnel aloft confirmed by State Police, did not touch down. Continued on last page.						
Minnesota Southern Minnesota	5	Afternoon & Evening			0	0	0	0	Hail
			Local thunderstorms moved across southern Minnesota with 1/2 inch hail reported at Mankato and at Elmons at 5:15pm.						
North Half of State	8th 9th				0	0	4	0	Winds
			Strong winds across Minnesota caused dust storms in the West Central and Northwest, caused shingle damage to homes and pole breakage to telephone and power lines particularly in northern part of State. Two barns were destroyed near Zim, south of Virginia.						
Hancock, Stevens County	15	5:30pm	8	40	0	0	5	0	Tornado
			Small tornado moving north-northwest destroyed or damaged several farm outbuildings on an 8-mile path. Tornado began about 2 miles south of Hancock and lifted about 3 miles east of Morris. One person saw the funnel, two persons noted the						

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
Minnesota (continued)											
Northern Minnesota	19	Day			0	0	4	0			Wind, Wet Snow
<p>Roar was like that of a train. Straight wind damage was also reported in counties to east and south of Stevens.</p> <p>The northern one-third of the State received winds of 60mph and 6 to 8 inches of wet snow which broke line poles, causing telephone and power outage until the 21st in some areas. Many schools were closed and roads blocked on the 20th.</p>											
Dexter 1-1/2SW, Mower County	22	3:30pm	5	50	0	0	4	0			Tornado
<p>Small tornado moved almost north causing major damage to 9 small farm outbuildings 1-1/2SW of Dexter and caused damage to two farmsteads 3 miles further north. Debris was observed two-thirds of way up into funnel also noise like that of a train was reported.</p>											
Dexter 6-1/2WNE, Mower County	22	3:30pm	1/4	50	0	0	4	0			Tornado
<p>Small tornado moving northwest touched down briefly about the same time a tornado was on the ground southwest of Dexter. It destroyed a large barn and damaged several small outbuildings. A loud whistling sound and a funnel was observed.</p>											
West Central through Northeast	22	Afternoon Evening			0	0	5	0			Lightning, Heavy, Wet Snows
<p>Thunderstorms with lightning and heavy snow moved across area. Lightning at 3:05pm completely destroyed a home 2-1/2N of St. Stephen, damaged two homes in Brainerd about 3:00pm and caused several power outages in Brainerd area. Heavy wet snows from 5 to 9 inches blocked many roads and closed schools through the 23rd and particularly from Brainerd north and east.</p>											
West Central through East Central part of State	27th & 28th	Late Evening & Early Morning			0	0	4	0			Hail and Winds
<p>Thunderstorms with hail and some winds were reported throughout this area. Park Rapids reported 3:07 inches of rain. Lightning caused some power outages throughout area and major damage to a church steeple at Trail was reported.</p>											
Waseca 66SW, Waseca & Steele Counties	29	05:32pm to 06:00pm	20	20-30	0	0	5	0			Tornado
<p>A small tornado moving northeast touched down about 05:32pm Waseca 66SW, then skipped along for 20 miles and lifted on the southeast edge of Meadard. It destroyed or caused damage to outbuildings of 7 farmsteads, severely damaged a feed mill and its warehouse. The cloud itself was close to the ground but the funnel was observed several times. A garage and a storage bin was destroyed 33 miles north of the origin of the tornado touchdown point and on this line another 16 miles further north a lake-side cottage was damaged and several large trees were blown down.</p>											
Mississippi Winston County and nearby	1	midnight-2 a.m.			0	0	4	0			Wind
<p>Heavy to very heavy thunderstorm indicated by radar about midnight 8 SW Kosciusko, Attala County moved easterly and at about 2 a.m. entered Alabama; hook echo noted 1:02 a.m. at 2 SW Louisville and 1:22 a.m. at 8 W Macon, Moxie County. Winston County Agricultural Agent reported a storm between 1 and 2 a.m. with property damages estimated \$20,000; he noted "Reports were (and this seems to be general) that a large roaring was heard overhead." The Louisville Police Department reported marble size hail covering ground at 1:05 a.m. Highway Patrol reported only damage to SE Louisville along Highway 397 was lights out and barn down; at 6 1/2 SE Louisville (lat. 33.14N, long. 89.14W) some trees and power lines down. Highway Patrol reported that in Oktibbeha County at 1:23 a.m. a loud roaring sound between Sturgis and Maben, and sky looked light.</p>											
Northern Mississippi	1	p.m.			0	0	?	0			Wind, Hail
<p>Numerous thunderstorms, high winds and scattered property damage were reported as turbulent weather preceding a cold front moved across Mississippi. Hail, mostly light, hit some sections. A line of moderate to heavy thunderstorms: at 3:45 p.m., 10 to 16 miles wide from near Oxford to about 50 S Alexandria, La.; at 4:45 p.m., 20 to 40 miles wide from 30 W Muscle Shoals, Alabama to 40 W Greenwood; then to about 50 NW Baton Rouge, La. - two heavy thunderstorms over Greenwood and Grenada, some of the storms moving to the NE about 40 m.p.h.; at 5:45 p.m., 20 miles wide from 15 SW Tupelo to 10 S Greenwood then to about 40 NW Baton Rouge, heaviest storms moving to NE about 45 m.p.h.; at 7 p.m., 29 miles wide from 20 SE Tupelo to 15 W Jackson then to 20 N Baton Rouge. WASHINGTON COUNTY: Small hail reported 3:20 p.m. at Stoneville as line of thunderstorms passed. LAFLORE COUNTY: At 4:39 p.m. Civil Defense and Highway Patrol at Greenwood reports yellow cloud 1 1/2 N Greenwood, moving E (see also separate listing). PANOLA COUNTY: Newspaper noted, "High winds and heavy rains caused considerable damage to Batesville and the surrounding area. . . . Water was over some roads for a short time. GRENADA COUNTY: Around 5 p.m. the skies darkened then rain and hail mixed peppered areas of Grenada; high winds came with the rains and on Carrollton Road a trailer-home was overturned. Slight property damage was reported to the south and north of Grenada. CARROLL COUNTY: County Agricultural Agent reported, "Storm did some damage in north part of Carroll County." Newspaper noted that at about</p>											
Mississippi (continued)											
Laflore County	1	5:00 p.m. to 5:30 p.m.	16	300	0	4	?	0			Tornado
<p>Storm moved from SW towards NE. Newspaper noted, "A tornado . . . skipped a path across Laflore County. . . . Three men bedding down equipment in a field near Huggins' Corner. . . . said the cloud was funnel shaped black as night and terrible looking. . . . The winds . . . doing property damage to homes and buildings in Ita Bena, near Lake Henry, then skipping to Wildwood Plantation. . . and . . . to Avalon and Whaley. . . . In addition to the utility poles, some telephone lines were down in the damaged area. . . . Heavy rains accompanied the winds." Highway Patrol reported tornado touched down in two places: several minor injuries. SW of Ita Bena some 35 utility poles reported down; trees and power lines down in Ita Bena area (lat. 33.6° N, long. 90.2° W); near Lake Henry the main transmission line was out; on Highway 49 light poles and wires down. To N of Greenwood on RR3, the Sweet Home and Wildwood Plantations (near Money) adjoin each other; in that area 6 houses were destroyed and 10-12 damaged; chimney toppled on man at Wildwood Plantation and he was hospitalized for back injuries and laceration of a leg. On Highway 7 between Whaley and Money, Wier Brothers Plantation, a woman reported a "Terrific roar - prolonged roar - . . . saw twisting rain and debris, but not actual funnel." In that area a newspaper noted, ". . . two houses were destroyed and a . . . rural church was picked up along with another house and deposited in the middle of the highway, blocking traffic. . . ."</p>											
Calhoun County	1	5:30 p.m. to 5:40 p.m.	7	10-110	0	1	5	0			Wind, Funnel Cloud Aloft, Tornado
<p>Newspaper published, "A tornado struck parts of Calhoun City, Baileyville and Vardaman. . . about 5:30 (p.m.). The total damage was estimated to be approximately \$100,000 or more. . . . An 18-month old boy, . . . was injured when a flying piece of glass cut a gash. . . . The tornado which traveled from the west toward the east, damaged homes and pavement about 1/2 mile west of Calhoun City, blew down trees from its starting point all through a narrow strip of town, where it also did considerable damage to roofs, carpets and homes. Baileyville, between Calhoun City and Derna, was the hardest hit, with the roofs, and at least one (carport being) damaged, as well as trees blown down. Some homes in Derna were damaged, mostly the roofs and at least one carport was blown off in Vardaman. In all, the area the tornado hit was about 7 miles from the west to the east, and the width of the path of the storm varied from 10 to 15 yards. The funnel never did touch the ground, so that the full force of the storm was not felt." Damages appear to indicate the funnel possibly touched down three times in Calhoun City before jumping to Baileyville (lat. 33.9° N, long. 89.3° W) where most all buildings in the village had roof damage, then a jump to the central part of Derna. Calhoun City woman wrote there was "not much noise until tornado struck." A Baileyville man, hearing tornado coming, jumped into his pickup and reported that the vehicle was lifted several feet off ground; he wrote there were 2 funnels that went together like a ball of fire and "one loud clap of lightning, that was when the funnel started." Some destructive path width reports of 110 yards.</p>											
North Central and Northeast Miss.	19				0	0	?	0			Heavy Rain, Wind
<p>As a cold front pushed eastward, severe thunderstorms with high winds and heavy rains occurred at a number of locations. A line of thunderstorms was indicated by radar at 1 p.m. as 8 miles wide, extending from Tennessee (Lexington, et al) to near Corinth, S to 10W Tupelo, and moving E about 25 m.p.h. (See separate listing of tornado.) MARSHALL COUNTY: Newspaper in county noted, ". . . Flooding of many small streams. Trees were uprooted in several places, and one large tree was blown down across the Rally Springs and Mt. Pleasant road causing traffic to be delayed. . . ." There was a report (to Memphis) of house trailer and building damage 5:50 p.m. at Mt. Pleasant (lat. 35.0° N, long. 89.5° W); newspaper several days later headline was "Marshall County Escapes Wrath Of Tornadoes." LAFAYETTE COUNTY: Reports were heard of damaging winds near Oxford. The newspaper there noted wind damage near home on Highway 30 - "Numerous trees were blown down in the . . . yard, but minor damage to the roof was the only damage to the home." PONTOTOC COUNTY: Pontotoc newspaper noted, ". . . through southern and eastern portions of Pontotoc County. . . . The storm winds, accompanied by torrential rain, hit the Gershorn. . . (and other) areas. . . . There was no injuries reported, and property damage was not believed extensive. A roof on one home in the Beckham community was partially blown away, and trees fell on outbuildings on another farm, while some farm machinery was damaged when toppled by the winds. North of Toxish church, tops of trees were broken off, and tin roofing was blown off a shed at one home. High winds in the Zim area blew some trees down and knocked a horse trailer off its block foundation. The storm hit at approximately 12:30 (p.m.) Sunday, . . ."</p>											
Tippah and Alcorn Counties	19	12:06 p.m. before 1:15 p.m.	40	200-250	4	78	6	0			Tornado
<p>A tornado caused damage in a section of Ripley (lat. 34.7° N, long. 88.9° W) then lifted, next it touched down to the ENE in southern Corinth (lat. 34.9° N, long. 88.5° W) then lifted and touched down at</p>											

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1970

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					KILLED	INJURED	PROPERTY	CROPS	
Mississippi (continued)									
									<p>Counce, Tenn. (See Tennessee section in this publication.) In Mississippi the intermittent path extended about 40 miles. All deaths and the brunt of the damage was in Corinth. TIPPAN COUNTY: Some 2 or 3 miles SW of downtown Ripley, an amateur radio operator noted at 12:06 p.m. an approaching storm making a noise like a train; some hail preceded the tornado but he did not see a funnel among the dark clouds and rain. Evidently the storm center tracked just south of his house which received minor damage. In the Palmer Community (S of Ripley) - the roof of a house was blown off, some windows knocked out, and some trees were reported uprooted. To the E of Ripley, a trailer was reported blown off its foundation. In the Ripley area: total loss of a cinderblock building housing a small print shop with attendant loss of most of the equipment; several homes damaged (mostly to roofs); one barn destroyed; local high school auditorium roof reported lifted slightly and displaced several inches. Damages estimated under \$50,000. No injuries were reported. Width of damage path up to about 100 yards. ALCORN COUNTY: The storm touched down at 14:55 p.m. in South Corinth and during 6 minutes along a 3-mile path; there was extensive damage in 3 main areas up to 200-250 yards wide while in between there was mainly broken and felled trees and lesser roof damage. The newspaper noted, "The path of the tornado was northeast, hitting just south of Highway 72 and crossing into a heavily populated area, three churches were destroyed, numerous houses completely demolished or wrecked beyond repair, telephone and power lines were broken, trees uprooted all over Corinth and . . . there were numerous gas leaks from broken main gas lines." Highways 45 and 72 were blocked. At a church in the heart of the stricken area, a newspaper noted, "Several women . . . had stayed . . . for a meeting. . . As the group began to leave, . . . one woman saw the tornado coming and ran for her car. The others stayed behind. In an instant the church roof was gone and the heavy blocks had tumbled across the pulpit and hardwood floor." The bodies of a 12-year old girl and a 38-year old woman were found beneath the remains of the concrete block structure. The roof fell on a house about 200 feet away and 3 brothers were injured. One man reported "We had just sat down to eat . . . someone mentioned that it had begun to hail. Then my wife's brother said 'It's a tornado - hit the floor.' There was a terrible roar - about like 14 freight trains. In just a second the house exploded. It literally burst. The house was picked up off its foundation and it seemed as though we were carried forward for about 20 feet. . . my wife and several other of the people there say they saw people being lifted ten to twelve feet off the ground and being blown as much as eight or ten yards away." The Highway Patrol reported the tornado to the NE of Corinth and moving to the NE (before) 1:15 p.m. The Department of Housing and Urban Development and the Office of Emergency Preparedness representatives estimated \$1.8 million damages (including \$800,000 private homes; \$300,000 personal contents; \$350,000 electrical power facilities; \$200,000 telephone equipment; \$10,000 for water, sewer and gas lines; \$50,000 for debris clearing; \$10,000 for recreational areas). They reported 69 homes destroyed, 63 houses were 90% damaged, 83 houses received 5 to 50% damage. The official count was 4 dead, there were other reports of 56 hurt and 22 hospitalized. The Red Cross announced a total of 225 families affected by the tornado and 5 small businesses were destroyed, 2 received major damage and 1 some minor damage. The Small Business Administration declared Alcorn County a disaster area.</p>
Forrest County	19				0	0	?	0	Thunderstorm
									<p>Newspaper noted, "The Mississippi Power Co. and South Central Bell reported only minor damage and service interruption due to a line squall which passed through Hattiesburg Sunday morning and early afternoon." Lightning bolts struck the Tatum salt dome test site about noon during a thunderstorm. This detonated the natural gas and oxygen in a cavity 2,700 feet deep. This was a premature explosion of experiment "Project Humid Water," the second of three underground detonation tests. Seismic observation equipment was operating and a ABC official said, "much useful seismic data was obtained and more will be secured when the underground cavity is reentered. . . ." Officials said that it has not yet been determined how the lightning was able to trigger the explosion.</p>
Coastal Mississippi	19				0	0	?	0	Wind
									<p>High winds and rough seas along the Gulf Coast resulted in distress calls to the Coast Guard and rescue missions. HARRISON COUNTY: At 2:28 p.m. Gulfport Airport (lat. 30.4°N, long. 89.1°W) reported gusts to 58 m.p.h. Newspaper noted, "The winds and rain blew down already weakened or dead limbs on trees that weathered Camille."</p>
Northern Mississippi	24	3 a.m.- 8 a.m.			0	0	?	0	Wind
									<p>A liche of thundershowers preceded a cold front that moved into the state. There was some wind damage. See separate listing of a tornado in DeSoto County at Southaven. Radar indicated a solid line of heavy thundershowers: 30 miles wide at 3:45 a.m. CST extending from Memphis, Tenn. to Arkansas (Helena, et al) moving to SE 35 m.p.h.; at 4:25 a.m. from just NW of Ripley SW across Panola County to Shelby, Bolivar County; 35 miles wide at 4:45 a.m. from LOW Corinth SW to Oxford, to Cleveland into Arkansas (McGehee, et al) moving to SE 40 m.p.h. DESOTO COUNTY: Newspaper noted, "several small planes were overturned by high winds at . . . Hernando." In Mineral Wells winds blew off part of the roof from the furnace area of a glass plant. Additional information in separate listing. TATE COUNTY: Near Senatobia the roof of a house trailer was blown off. MARSHALL COUNTY: A number of trees were uprooted near Holly Springs (lat. 34.8°N, long. 89.4°W). Highway Patrol reported this occurred before 4:25 a.m. Holly Springs authorities reported some overturned trailers. ALCORN COUNTY: Heavy thundershowers and strong winds hit the area around 5 a.m. No extensive damage reported. Some trees reported blown over, some television antennas damaged, falling limbs hit power lines causing some damage. On Pleasant Hill Rd. the roof was reported blown from a barn. MONROE COUNTY: Radio Station WROB</p>
Mississippi (continued)									
DeSoto County	24	3:28 a.-	2	20	0	5	6	0	Tornado
									<p>at West Point reported a locally severe thunderstorm, heavy rain, and wind gusts to 51 m.p.h. at 6:54 a.m. Radar at 7:15 a.m. indicated this thunderstorm moving towards E or ESE at about 35 m.p.h. No major damage reported.</p> <p>Along a squall line a funnel developed about 3/4 of a larger tornado (in Tennessee). It touched down shortly before crossing DeSoto Air Park (SW of Southaven) and traveled ENE (60-70° angle) across U. S. Highway 51 over a large general store (Market Place) and on into Tennessee. Damage occurred along a narrow path with 2 main areas of extensive damage both in Mississippi. The Mississippi portion of the path was about 2 miles long. (See Tenn. section in this publication.) The damages at the airport were estimated \$0.5 million - there was extensive damage to aircraft on the ramp and inside the west hangar where the winds whipped the planes around and yellow paint showed where they had scratched concrete 15 feet above the floor; a chain mooring an amphibian plane was snapped and the plane hurled more than 100 yards east into a clump of trees tearing a tunnel through the upper branches; another plane was blown over a fence and in between trucks. To the W of Highway 51, a number of automobiles were on the Southaven Auto Sales used car lot - all were scattered and damaged. U. S. 51 was cluttered with debris for a stretch; Highway Patrol reported several cars blown off the road. The Market Place (E of Hwy. 51) had its front crushed (\$50,000 damages); on its S side - destroyed 1 house trailer and damaged 3 (\$10,000-20,000 damages). Elsewhere in the Southaven area a number of houses were damaged (mostly opened or removed rooftops). Five persons were reported hurt; newspaper notes, "The worst injury reported was a broken leg." (lat. 34.9°N, long. 90.0°W)</p>
Sharkey County	25	Before 4:40 p.							Funnel Cloud Aloft
									<p>Cooperative observer noted funnel cloud did not touch down; sighted approximately 10 N Holly Bluff (lat. 32.9°N, long. 90.7°W), reported to be moving E. Radar indicated thundershowers in area but did not look strong. No reports received of touchdown damages.</p>
Leflore and Grenada Counties	25	About 10:00 p.			0	0	?	0	Funnel Cloud Aloft, Wind
									<p>Funnel cloud aloft reported; some wind damage from parent storm. LEFLORE COUNTY: Greenwood newspaper noted, "A tornado was reported over Leflore County Saturday night about 10 p.m. Residents of Old Highway 7, about five miles north of Greenwood, reported hearing the storm pass over. Trees were damaged, a (vacant) house was destroyed, and two barns were unroofed in the area. The Highway Patrol reported seeing the funnel cloud develop near Moorhead. It was also reported at Schlater, accompanied by some hail. It is not believed to have ever actually touched down." At 10:05 p.m. there was a severe thunderstorm cell in the vicinity of Greenwood (lat. 33.5°N, long. 90.2°W) with the funnel cloud reported this cell moving NE. A report from the Highway Patrol received at 10:25 p.m. noted a loud roar SW Greenwood (lat. 33.6°N, long. 90.2°W), and a later report of the damages there included - "tops out of trees." GRENADA COUNTY: Radar at 10:45 p.m. located the large thunderstorm with hail indicated and funnel cloud reported within this thunderstorm over Grenada moving to NE at 25-30 m.p.h.</p>
Holmes County	26				0	0	?	0	Heavy Rain
									<p>Newspaper noted, "Heavy rains fell. . . By nightfall the water had risen in two places . . . causing the traffic to stop. . ." between Lexington and Durant. "Water damage was incurred in several businesses on Highway 12 . . ." In the Lexington area. Woman on Bowling Green Road remarked the water was at the highest level it had been in 40 years. The County Sheriff said, "Our creeks were all flooded for a while Sunday." The Mayor of West said the Big Black River and area creeks "were about as high as anyone has seen them." One bridge was washed out on State Highway 17 west of West, and low-land flooding occurred. The cooperative observer at Lexington rain-fall measurement at 6 a.m. CST was 6.30 inches (for the past 24 hours). This was the greatest April oneday amount measured in Holmes or adjacent counties back to April 16, 1900 when Canton, Madison County, reported 6.25 inches.</p>
Holmes County	26	8:30 a.- 8:31 a.	1/2	200	0	0	3	0	Tornado
									<p>During weather described as "raining hard, no lightning or thunder" a storm moved from SW towards NW. The damage path was described as "a narrow strip about 200 yards wide (1/2 mile long) in Owen Weal Community," 38 Lexington (lat. 33.1°N, long. 90.0°W). Newspaper noted several people heard the noise and/or watched as the trister went by." In the Sanford front yard "a storage shed was lifted up and burned over about ten foot away, a large oak tree next to his house lost several limbs off the south side of the tree and part of his fence beyond the house was lifted out of the ground, post and all." Next a man "heard the noise . . . felt the house tremble and heard hail falling. . . he saw the pump house lifted up off the ground and then settle back down in the same spot. His aluminum storage house was smashed into many pieces and scattered . . . A fence was also pulled up out of the ground by the post. The last place that we know the twister touched down was right atop a shed belonging to . . ." the Martins. Mr. Martin said . . . he heard a swishing noise of the wind. Looking up he saw a tree bending way over and then he watched as the roof of a large shed stood on end and then he carried off several feet. . . The tree that had been leaning in the wind was uprooted. Mr. Martin said that several sheds in his hog yard were lifted up and set down some distance away, apparently unharmed." A different report mentioned damage to a tractor shed and barn.</p>

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	
Missouri									
Mississippi County	1	3:20-3:30 PM	6		4	4			Tornado
		A small tornado touched down in the Mounds Community on Missouri Highway 102, 4-1/2 miles north and 4 miles west of Dorena, Missouri and moved east-northeastward to Missouri Highway 77, 2 miles south of Wolf Island, Missouri at the Pezman Lane Intersection where 4 people were injured as their house was destroyed.							
Charleston, Mississippi County	1	3:30 PM							Hail
		Golf ball size hail was reported in Charleston.							
Mississippi County	1	3:30 PM							Funnel Aloft
		The Highway Patrol reported a funnel cloud aloft passing between Charleston and East Prairie, Missouri.							
Sherman Township, Harrison County	12	1:30 PM							Thunderstorm Winds
		A severe thunderstorm destroyed outbuildings and trees on three farms in Sherman Township, east of Bethany, Missouri.							
North Central and East Central Missouri	12	2:00 PM-9:00 PM							Hail
		Hailstorms accompanied by damaging winds with rather frequent reports of hailstones of golf ball size crossed north central and east central Missouri. Hail was reported at the following times and locations:							
		2:20 PM	1"	Hail	1	SSW	Byramville (Chariton County)		
		4:00 PM	1-3/4"	"	10	S	Mexico (Callaway County)		
		1:00 PM	1-3/4"	"	5	SW	Linn (Osage County)		
		4:00 PM	1-1/4"	"	7	NE	Wibby (Maries County)		
		6:00 PM	1-3/4"	"			Washington (Franklin County)		
		6:30 PM	3/4"	"			covering ground St. Peter (St. Charles County)		
		6:45 PM	3/4"	"			Bridgeton (St. Louis County)		
		8:40 PM	1-3/4"	"			S St. Louis (St. Louis County)		
(Approx.)									
(Before)									
(About)									
Ellington, Reynolds County	12	7: PM	6		1	5			Tornado
		A small tornado touched down to unroof a residence and injure a child on the northeast edge of Ellington and then moved northeastward destroying or damaging barns and outbuildings on six farms along Route K. The final damage point was on a farm in the Sinking Creek bottoms 6 miles northeast of Ellington. In wooded areas the damage path was described as "It looked as if someone had raked the leaves from the forest floor".							
East Reynolds County	12	Night							Lightning
		A home struck by lightning during a thunderstorm burned to the ground despite heavy rain and hail. The home was located near Highway 21 in extreme eastern Reynolds County.							
Jewett to Zion, Madison County,	12	8:00 PM	10 mi	skipping			5		Tornado
		A small tornado touched down briefly at a saw mill in the Jewett area on Highway C in southwest Madison County and then skipped northeastward doing only spotty damage to timber along a very narrow path before damaging a home, barn, and other buildings in Zion, Missouri on U.S. 67, 11 miles north of Fredericktown. In Zion the tornado could be heard as it approached sounding to one observer "like grease popping in a frying pan only 100 times louder" and like "a freight train" to another. This damage in Madison County may be related to prior damage in Reynolds County.							
Cape Girardeau	12	9:55 PM							Wind, Rain, Hail
		Cape Girardeau Airport reported winds gusting to 54 knots with heavy rain and 1/4 inch hail.							
NE Bates County	18	5:30 AM							Thunderstorm Winds
		A severe thunderstorm with damaging winds swept across northeast Bates County with the heaviest damage concentrated on four farms 3 miles north of Butler, Missouri and extending east-northeastward for 8-1/2 miles.							
St. Joseph, Buchanan County	18	Before 8:00 AM							Thunderstorm Winds
		Gusts up to 69 knots accompanied a thunderstorm at the St. Joseph Airport.							
SE Caldwell County and SW Livingston County	18	7:00 PM							Thunderstorm Winds
		A severe thunderstorm destroyed or severely damaged outbuildings on several farms west and northeast of Brainerd, Missouri and northwest of Lindlow, Missouri.							
Big Oak Tree State Park, Mississippi County	19	Afternoon							Tornado
		An apparent tornado dipped down several times in Big Oak Tree State Park snapping off trees 2-1/2 to 3-1/2 feet in diameter and doing considerable tree top damage.							
Sikeston to North Charleston, Scott and Mississippi Counties	19	5:30-5:50 PM							Tornado & Funnel Aloft
		A funnel cloud dipped down briefly just east of Sikeston at Miner damaging a dozen house trailers. A short time later a funnel cloud was observed by a State Trooper just north of Charleston dipping							
See reference notes at end of table.									
Missouri (continued)									
		down to near ground level. This may have been associated with a subsequent funnel cloud report to the east-northeast across the Mississippi River in the Wickliff, Kentucky area a short time later.							
E Benton, Scott County	19	5:30 PM							Funnel Aloft
		A funnel cloud aloft was reported passing over a trailer park east of Benton, Missouri. This funnel cloud may have been associated with a subsequent tornado report to the east-northeast across the Mississippi River at Olive Branch, Alexander County Illinois.							
Scott City, Kelseo Area, Scott County	19	5:40 PM							Funnel Aloft
		The State Police reported a funnel aloft nearly touching ground in the Scott City-Kelseo area of north Scott County about 5 miles south of Cape Girardeau.							
South Half of State	23	Noon to 8:00 PM							Heavy Rain & Hail
		Numerous heavy thunderstorms accompanied by frequent reports of 3 to 4 inch rains, flash flooding, and large hail swept across the southern half of the state with the most intense hail activity apparently concentrated about 25 miles either side of a line from Joplin to St. Louis. Specific large hail reports are as follows:							
		12:20	3/4"	"			Joplin (Jasper County)		
		1:00 PM	1-3/4"	"			S Lockwood (Dade County)		
		3:00 PM	1-3/4"	"			Bridal Cave (NW of Cantonment)		
		3:00 PM	1-3/4"	"			Bagwell Dam (Lake of The Ozarks)		
		4:40 PM	1"	"			Weaubleam (SW Hickory County)		
		7:00 PM	1"	"			Cedar Hill (Jefferson County)		
		7:15 PM	1"	"			Arnold (Jefferson County)		
		7:35 PM	1-3/4"	"			High Ridge (Jefferson County)		
		7:30 PM	1-1/2"	"			S. St. Louis (St. Louis County)		
Lockwood Area, Dade County	23	5:00 PM							Thunderstorm Winds
		A severe thunderstorm with strong winds badly damaged or destroyed outbuildings, barns and damaged some homes on farms in a west-southwest to east-northeast swath across Dade County from northwest of Lockwood to the Dadeville area.							
Vanzant, Douglas County	23	9:25 PM							Funnel Cloud
		Three public reports of a tornado near Vanzant could not be confirmed.							
Campbell, Dunklin County	27	Afternoon					3		Thunderstorm Winds
		Thunderstorm winds blew out the side of an automobile dealer's warehouse crushing a pickup truck cab seconds after the driver had stepped out of it.							
10 E Lesterville, Iron County	27	6:35 PM							Funnel Aloft
		An intense thunderstorm followed on radar as it moved at 50 miles per hour east-northeastward across north Reynolds County-Central Iron and Madison Counties produced a funnel cloud aloft in western Iron County about 10 miles east of Lesterville, in Reynolds County.							
Gentry, Gentry County	29	1:30 PM					5		Hail
		What has been described as "the heaviest hail storm in years" crossed north Gentry County with the heaviest damage (80% of homes affected) in Gentry, Missouri. Hail stones described as large as tennis balls and baseballs hit Gentry. 1-1/2 inch stones fell northeast of Stanberry. This same storm apparently also produced the hail and tornado activity a short time later in Harrison and Mercer Counties.							
3-1/2 S Eagleville, Harrison County, to 3 ENE Lineville, Iowa	29	2:05-3:05 PM	30		4		5		Hail and Tornado
		A tornado which was observed forming as a closed vortex aloft at a point 2-1/2 miles west and 1/4 mile north of Martinsville, Missouri in extreme west Harrison County first touched down in open country 3-1/2 miles south of Eagleville about 1 mile east of U.S. Highway 69. Severe damage to farms began 3-1/2 miles south of Blythedale and continued east-northeast to the county line 3-1/2 miles north of Caineville, Missouri. In the area northwest of Caineville the path width reached 1/4 mile. Damage was less intense and at times intermittent across northwest Mercer County until it became more intense in the south Lineville, Missouri community on the Missouri-Iowa line where a school was badly damaged and a school bus garage destroyed. The school had been dismissed 1/2 hour earlier because of the threat of severe weather. The tornado apparently dissipated 3 miles east-northeast of Lineville, Iowa. A 2 to 4-mile-wide swath damaging large hail paralleled the tornado track with the tornado path as its southern edge. Reports of golf ball size hail were frequent with some stones reaching "baseball" size. On a farm 3-1/2 miles north of Caineville a shallow well-hand water pump was pulled about five feet from the well and bent flat against the ground.							
Unionville, Putnam County	29	2:35 PM							Hail
		Golf ball (1-3/4") size hail was reported.							
8 E Versailles, Morgan County	29	7:20 PM							Funnel Aloft
		Public report of funnel cloud aloft.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED ¹ DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
Missouri (continued)										
Columbia, Boone County	29	8:00 PM								Funnel Aloft
										Public report of funnel cloud aloft and roaring noise over south-east edge of Columbia.
3/4 N Cedar City, Callaway County	29	8:00 PM								Funnel Aloft
										Public report of a funnel cloud aloft.
Kirksville, Adair County	29	8:05 PM								Thunderstorm, Winds
										Maximum gusts to 52 knots in thunderstorm at Kirksville Airport
East Central Missouri	29	7:00-9:30 PM						4		Thunderstorm, Winds
										Thunderstorms with straight wind gusts estimated at 60 to 70 miles per hour caused scattered wind damage reports, particularly to house trailers and trees in an area from Central Morgan County northeastward through Boone-North Callaway-Adair-Southeast Monroe-Southeast Marion-Ralls and Pike Counties.
St. Louis, St. Louis County	30	2:05 AM								Hail & Funnel
										A funnel cloud aloft was reported in the St. Louis suburb of Berkeley (east of Lambert Field) and 1 inch hail was reported to the east in the Bellefontaine Neighbors suburb.
Joplin, Jasper County	30	2:30-3:30 AM								Hail, Wind
										Thunderstorms with hail ranging from pea size to golf ball size and wind gusts to 50 miles per hour moved across the area from Joplin to northwest Greene County.
Hartville, Wright County	30	2:15 AM								Thunderstorm Winds
										Barns were damaged, telephone poles and lines, and trees were downed or damaged on one farm 4 miles west of Hartville and another 2 miles northwest of Hartville on Missouri Highway 5, by severe thunderstorm winds.
SE Ozark County to N Iron County	30	5:30-8:00 PM						5		Damaging Winds (Possibly tornadic)
										A series of narrow strips of heavy wind damage beginning in the Tecumseh-Howard Ridge area of Southeast Ozark County about 5:30 PM and extending northeastward to the Pilot Knob area of north Iron County by 8:00 PM appear to be caused by the same parent storm. Although local accounts described the damage in some stretches as tornadic, the existence of a tornado could not be verified. In the Tecumseh-Howard Ridge area roofs were blown off of some outbuilding trees and fences were down on three farms. The next major damage occurred about 6 PM on Route CC 8 miles west-northwest of West Plains where two barns, a house trailer and trees were destroyed on three farms. At 6:25 PM barns and trees were damaged on two adjacent farms on Route N 1-1/2 miles west of Highway 17 (northwest of White Church-Howell County). Heavy timber damage was reported in an area south of Mountain View a short time later. In west Reynolds County a narrow strip of heavy damage began on a farm on Highway 13, ten miles northwest of Ellington and extended northeastward to the Panther Hill Fire Tower area. This damage began about 7:30 PM on the same farm that gave birth to the Tri State Tornado of March 18, 1925. About 8:00 PM a strip of heavy wind damage occurred in north Iron County with the heaviest damage in North Pilot Knob. A mobile home was destroyed, another damaged, trees uprooted, and barns and home roofs damaged in this area.
5 SW Naylor to 3 E of Poplar Bluff, Ripley and Butler Counties	30	9:00-9:30 PM	2 1/2	100	1			5		Tornado
										A tornado which touched down initially about 5 miles southwest of Naylor, Missouri in southeast Ripley County passed through Naylor at 9:03 and caused extensive damage on 15 farms in southwest Butler County between Naylor and Harvill. Only spotty damage occurred from the Harvill area to U.S. Highway 60, 3 miles east of Poplar Bluff, where storm debris blocked the highway. The only injury occurred when the occupant of a trailer on U.S. Highway 67 south of U.S. 160 was blown from his trailer as it was destroyed. About 1/2 the homes in Naylor had some damage with at least one home completely destroyed. Descriptions of the sound of the tornado ranged from freight trains and an increasing roar on approach to a high pitch whine and screeching and popping sound on arrival.
Dexter Area, Stoddard County	30	10:10-10:20 PM						4		Funnel and Thunderstorm Winds
										A funnel cloud was reported in the area west of Dexter and about 20 miles east of Poplar Bluff at 10:10 PM. A trailer was overturned and sheds and trees damaged in the Essex community 6 miles east-northeast of Dexter about 10:20 PM.
Cape Girardeau, Cape Girardeau County	30	10:00-10:30 PM						3		Thunderstorm Winds
										Severe thunderstorm winds damaged barn roofs and damaged or toppled trees in the Gordonville area west of Cape Girardeau. Wind gusts at Cape Girardeau peaked at 2200 at 58 miles per hour.
Montana										
East of Continental Divide	27-29									Heavy snow, blizzard
										Heavy snow fell over much of the area preceded by rain in many places. Many highways were blocked at times or limited to emergency travel only. Central Montana and the mountain passes along the Continental Divide experienced the heaviest snowfall. Snowfall of 2 to 3 feet was common in the area north and east of Lewistown. Utility lines were downed in a number of places, but livestock losses were lighter than usually occurs from a storm of this intensity.
Nebraska										
Red Willow County	18	4:20 p	--	--	0	0	0	0	0	Funnel cloud
										Sighted 15 miles southeast of McCook.
Thurston County	30	Night			Spot	1	0	0	0	Lightning
										Farmer struck and killed while operating tractor loader. Six miles west of Walthill.
Nevada										
Sierra Nevada Washoe County	25-6	All Day			0	0	?	0		Snow, Wind
										Snowy conditions with blowing snow slowed traffic through Interstate 80 in the Sierras. Approximately 2,000 cars were held up and several minor accidents from the slippery highway were reported. 80 mph wind whipped snow on the highway. On the 25th, strong wind overturned a vehicle, causing it to impact with another vehicle in the on-coming lane. No serious injury was reported.
New Hampshire										
	2-3				0	0	4	0		Snow, rain, wind
										Heavy, wet snow, totalling mostly 6 to 12 inches in the northern portion on April 2 combined with strong wind to cause local damage to trees and utility lines. In the south the storm began as snow but changed to sleet and then rain with slush causing very hazardous roads. Much local washing and flooding in the southern portion, where precipitation totals were mostly 2 to 3 inches, with some greater. Many cellars flooded. Some further wind damage on April 3, after precipitation ended.
New Jersey										
Statewide	2	Afternoon						5		High winds
										The rapid movement of a cold front eastward across the State during the mid afternoon did considerable damage to roofs, trees, and utility lines. Winds were reported in the 50-60 mile per hour range in many areas, with gusts occasionally as high as 70 mph. The roofs were blown off three attached houses in the Trenton area, a large machine shed was damaged in Burlington County, with damage to a silo and other farm buildings reported in the same County. In Wildwood, Cape May County, a large portion of an amusement pier was blown down by high gusty winds.
New Mexico										
Northwest and Rio Grande Valley	14	Afternoon						3		Wind
										Strong gusty winds. Wind 70 miles per hour with gusts to near 100 mph at Gallup, 1:20 p., damaged roofs, glass, trees, signs, fences, powerlines, interrupted airline operations, overturned landing small plane and parked plane. Gusts to 75 mph at Zuni and estimated to 95 mph at Tohatchi. At Aztec, winds estimated to 60 mph caused blowing dust and sand and damaged a roof, sheds, glass, and trailers. Gusts to 54 mph at Albuquerque damaged small building. Near Belen, 4:45 p., lumber storage shed roof and wall damaged. A pickup camper and trailer overturned by wind near Truth or Consequences.
Rio Grande Valley and Southwest	17	3:30 p.						3		Wind, dust
										Wind gusts to over 50 mph from Albuquerque to Santa Fe caused blowing dust with minor motor vehicle accidents and damaged a carport. A light plane was torn loose from tiedown in Belen area. Blowing dust, with low visibility, 16 miles east of Lordsburg contributed to traffic accidents with 2 killed and 7 injured.
Las Vegas	17	4:35 p.						?	?	Hail
										Hail to 3/4-inch diameter for eight minutes at airport.
Lincoln County	17	5:00 p.						?	?	Hail
										Hail with a few stones to 1-3/4 inches in diameter on MacNally Ranch, 42 miles northwest of Roswell.
Lea County	17	5:30 p.-7:00 p.	5	Narrow				3		Tornados, hail, wind
										Two tornados. First and smaller about 13 miles southwest of Tatum moved about 5 miles toward the northeast, flipped and rose twice, damaging utilities and chicken houses. Second and larger about 5 miles south of Tatum, writhing, struck in pasture, travelled toward north, damaged abandoned house and chicken houses, and took down 2-1/2 miles of utility lines and poles. East of Tatum, winds took down 1-1/2 miles of utility lines and poles. Twenty miles of cattle fences were homed. Hail fell in a 5-mile area with golf-ball to baseball size hail in the vicinity of Tatum, and up to 1-inch diameter hail about 10 miles west-northwest of Tatum.
Quay County Area	17	Evening	40	50				05	0	Tornado, hail, wind
										Tornado, first reported about 7 miles west of McAllister moving toward northeast, damaged farmhouse roof, windmills and outhouses, and at McAllister the roofs and windows of two churches were damaged.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
New Mexico (continued)									
									and glass was embedded 1/2-inch in pilpit and pers. One mile north of Forrest, a windmill, granaries, fences, utility poles and a television antenna were damaged. Five miles north of House, a garage was moved, roofs, signs and irrigation system were damaged. Farm buildings near Glenric were damaged, and some wind damage was reported in nearby Grady and Ragland. Some damage to wheat by hail. Hail to marble-size fell at San Jon; to 1-1/2 inch diameter at Teso; and to 3/4-inch diameter at Cannon Air Force Base (Glovins) at 4:45 p. Damage from tornado estimated \$53,000, and from hail, \$25,000.
Lea County	18	3:00 p.	Short	Narrow					Tornado
									Tornado dipped down about 20 miles northeast of Tatun, but caused no reported damage.
New York									
State	2-3	early a.m. to late a.m.			2	5			Wind, rain, flooding, lightning
									Statewide storm as center of very deep low pressure system moved from western Lake Erie northeastward through St. Lawrence Valley to northern Maine in 24-hour period. Winds of 25 to 50 mph, and gusts to 70 mph, raked western and northern sections on 2nd, continuing in Hudson Valley and southeast areas on 3rd. Large house trailer overturned and rolled 100 feet near Jamestown with heavy damage to structure and contents. Another house trailer in transit overturned by wind on Verrazano-Narrows bridge, New York City, forcing closure of upper bridge level to traffic. Winds caused widespread, but locally light, damage to power lines, trees and limbs, broken windows in commercial establishments in greater Rochester area and in southern tier sections from Jamestown to Binghamton; similar wind damage in Utica-Rose area. Two pedestrians injured by sheets of metal blown from construction site in New York City. Storm accompanied by precipitation totalling 2.0 to 3.0 inches on Long Island and southeast upstate with 1.0 to 2.0 inches elsewhere. Snowfall of 1 to 3 inches in lower elevations upstate but increasing to 6 to 10 inches in Adirondacks and highlands of southern tier. Precipitation (plus melt of lingering winter snow cover in some areas) caused many streams to overflow banks especially in Hudson Valley. Susquehanna River system crested at 1.0 to 1.5 feet above flood stage. Many highways flooded by rainfall runoff; traffic greatly hampered in greater New York City; schools closed in Chenango County due to flooded roads; landslide closed U.S. 11 highway near Tully, Cortland County. Glazing of highways reported in Binghamton area. Lightning bolt struck home at Ossining, Westchester County, causing \$40,000 damage from fire. Storm passage resulted in abnormally low barometric pressure. First order Weather Bureau stations record minimum sea level pressure of about 28.90 inches (978 mbs); Buffalo 28.86 inches (977.3 mbs.) For new April record.
North Carolina									
Cumberland County	1	1:00 am					4	0	Wind, hail
									Scattered light damage to barn roofs, sheds and mobile homes. Some hail, but no crop damage.
Statewide	2	--			1	1	6	0	Wind
									Very windy throughout the State most of day. Wind blew down masonry wall at Rocky Mount, killing one worker and injuring another. Trees uprooted, aircraft and mobile homes overturned, outbuildings demolished, roofs damaged, power and telephone lines down many areas. Gusts to 69 mph recorded at Hickory and Elizabeth City, 80 miles per hour at Pope Air Force Base.
Craven, Durham, Hertford, Wake and Wayne Counties	6	Afternoon & even'g					4	0	Electrical, hail
									Several cases of fires started by lightning, and electrical damage to telephone facilities. Some hail, but no crop damage.
Piedmont and Interior Coastal Plain	13	--			0	1	5	5	Wind, hail, electrical
									Widespread thunderstorms with high winds, lightning, and very heavy hail some areas. Golf ball size hail reported Cabarrus and Forsyth Counties, with accumulations several inches deep; some remained unmelted ten hours later. Several houses demolished or damaged. Woman in Montgomery County injured as house was blown down. Many outbuildings and mobile homes demolished or damaged.
Cherokee, Pasquotank & Wayne Counties	23	--			0	1	4	3	Electrical, wind, hail
									Child injured when struck by lightning. Wind damaged aircraft and warehouse. Hail caused light damage to crops and gardens.
Catawba County, Pitt and Wayne Counties	26	Afternoon			0	1	4	0	Electrical
									Man injured when tree under which he took shelter was struck by lightning. Office building burned; power outages.
North Dakota									
Statewide	11-17								Snowstorm
									Two low pressure systems, one moving south southwestward through western North Dakota on the 11th and the other moving northward through the central portion of the state on the 15th brought heavy
North Dakota (continued)									
Statewide	18-22								Snowstorm
									snow and rain over the entire state. Precipitation amounts for the duration of the two storms ranged from 0.5 to 1.0 inch in the extreme east to over 3.5 inches in a small area centered about 25 miles west of Minot. Numerous stations reported snowfalls in excess of 15 inches with amounts ranging upwards to 34.5 inches at Tagus. The heaviest falls occurred on the 15th with Tagus recording 15 inches. The extremely heavy snowfall on the 15th blocked many roads in the western portion of the state forcing many school closings for a few days as country travel was limited to four-wheel drive vehicles or snowmobiles.
Southwest	22								A low pressure area which stalled over the northern Great Lakes produced several days of snow and rain. Precipitation amounts generally 1.0 to 1.5 inches statewide. Snowfalls up to 15 inches in west central areas again blocked highways and closed schools in western areas hard hit by snowstorm previous week. Snow clinging to power and telephone lines caused several outages in extreme eastern end of state, particularly in Minnor, Fargo and Hillsboro areas.
Southwest	27	Evening			0	0	0	0	Hail
									Cooperative observer records in southeast quarter of state contain many reports of hail ranging upwards to marble size. No mention of damage.
West and Central	28	Afternoon & Evening	280	*100	0	0	0	0	Hail
									Numerous occurrences of small hail were mentioned in cooperative observer records on the 28th. Plot of hail reports show northwest-southeast strip bounded on southwest by line from Williston to Fort Yates and on northeast by line from Crosby to Carrington. No reports of damage.
Ohio									
Entire State	1-2	Evening-afternoon			1	8	6		Wind and rain
									Wind and rain damage exceeded one million dollars from an intense storm which broke existing record low pressures for April at Cleveland and Toledo. Wind gusts to 80 mph were reported by several locations. A Cleveland man was killed when a brick wall toppled on him. Rainfall exceeded 2 inches over most areas south of a Steubenville to Bellefontaine line. Numerous roofs and structural damages were reported throughout the state. Damage was especially heavy in the Central and Central Hills Climatic Divisions. House trailers were tossed about like match boxes. Authorities throughout southern Ohio received reports of a number of mud slides resulting from the heavy rains. A light plane making a landing at Cleveland flipped over injuring the pilot. Families were evacuated from low areas along streams. Road closings due to high water were common. An apartment complex in Columbus sustained more than \$150,000 wind damage. Power outages were widespread.
East Monroe, Highland County	2	7:15a	1	200	0	0	4		Tornado
									A barn and two other farm buildings were destroyed and a farmhouse received minor damage as a tornado touched ground in a rural area. A man traveling along the highway witnessed the funnel cloud and managed to stop his car as the storm and debris passed in front of him. While heavy rain fell prior to the storm only drizzle accompanied the tornado. The storm moved toward the northeast.
Westerville, Franklin County	2	8:06a	1.5	200			5		Tornado
									A tornado skipped through residential areas. Two homes sustained severe damage and three minor damage. The storm moved toward the northeast. Windows were blown out of one home. Damage pattern indicated cyclonic motion.
Mt. Vernon, Knox County	2	8:35a	2	150	0	1	5		Tornado and rain
									Three new homes and a mobile home were totally destroyed; three homes and two farm buildings sustained damage as a tornado skipped toward the east northeast about one mile north of Mt. Vernon. Witnesses reported the rain was so heavy and loud that even though they were next door to one of the destroyed homes they heard no other noises. Evidence of twisting was present in trees.
Northfield, Summit County	2	9:25a	1	50	0	0	3		Tornado
									Approximately 20 fair sized trees were uprooted. Two of these fell on a house causing minor structural damage to the home. Some trees were at a 45° angle to the storm path. The woman who lived in the damaged house described sounds which are characteristic of a tornado.
Jackson Center Area, Shelby County	13	Afternoon					3		Wind
									Strong winds tore the doors and roof off a large barn early in the afternoon. The roof of the barn was laying on the north side of the barn while the doors were about 900 feet north of the barn.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Ohio (continued) Southern Two-thirds of State	23-24	Evening-afternoon					5		Heavy rain, winds, electrical
			A series of heavy thunderstorms began to move across much of the state during the evening and continued for about 8 hours. Several small streams burst their banks and several families were forced to leave their homes due to high water. Some utility lines were downed by lightning or trees which succumbed to strong winds. Nearly all South Central and Southeast areas and the southern half of central Ohio received more than 2 inches of rain from these storms. Rainfall exceeded 3 inches in portions of Scioto, Adams, Brown, Clermont and Highland Counties.						
Oklahoma 3W Seminole, Seminole County	16	5:12p-5:30p	2	200	0	2	4	0	Wind, hail
			Strong, straight winds destroyed one mobile home, injuring 2 persons. Two other homes and several outbuildings were badly damaged. Hundreds of TV antennas were damaged. Hailstones, measuring 1/4 inch to 1/2 inch in diameter, caused extensive roof damage.						
Corn area, Washita County	16	11:00p	4	*1/2	0	0	2	4	Wind, hail
			Considerable damage to the wheat and barley crops resulted from the wind and hail storm. Hailstones, measuring up to 1/2 inch in diameter, and winds estimated at 50 to 60 mph were reported during the storm.						
2N Norman, Cleveland County	16	about 11:40p			0	0	0	0	Hail
			Hailstones, 2 3/4 inches in diameter, fell but caused no damage.						
Medford, Jefferson, and Lanost areas, Grant County and Blackwell area, Kay County	17-19	AM, 17-PM, 19			0	0	0	0	Flooding
			Heavy rains on the watersheds of Osage and Pond Creeks caused the flooding in the Medford, Jefferson, and Lanost areas and heavy rain on the Chickasha River watershed caused the flooding in the Blackwell area. Jefferson was completely inundated with water 48" deep in some buildings. Only 9 homes in Jefferson escaped serious damage. The Cooperative Weather Observer at Jefferson called it "The worst flood in the history of our town". At Blackwell, 40 blocks of the town were flooded with water around nearly 200 homes. Fifty families were evacuated at Blackwell. The river at Blackwell crested 6 1/2 feet above flood stage of 26 feet. There was considerable damage to field crops and to roads and bridges in the flooded areas.						
McAlester, Pittsburg County	18	before 9:20a			0	0	0	0	Hail
			Hailstones, measuring 1 1/2 inches in diameter, fell but caused no damage.						
8SE Seminole, Seminole County	18	about 11:00a	1/2	20	0	0	3	0	Wind, rain, funnel aloft
			Strong winds, associated with a funnel cloud aloft, caused considerable damage to a farmstead. Resident at the farmstead heard a loud noise, like that of a jet engine, and the top was torn out of 2 trees. There was hard rain at the time.						
Muskogee, Muskogee County	18	1:05p	**200	50	0	0	4	0	Wind
			Strong, straight winds damaged 2 houses, 3 garages, and a chicken house.						
7NW Stillwater, Payne County	18	about 1:45p							Funnel aloft
2W Sulphur, Murray County	18	3:40p			0	0	0	0	Hail
			Hailstones, measuring 1 inch in diameter, caused no damage.						
3SW Ada, Pontotoc County	18	4:10p	4	50	0	0	4	0	Tornado, hail
			A tornado moved along a skipping path from the west-southwest to the north-northeast, tearing down power lines, destroying a barn, and damaging a home. Hailstones, measuring 1/4 inch or less in diameter, fell during the storm.						
Tulsa, Tulsa County	18	5:00p-6:00p	1/2	200	0	0	4	0	Wind
			Strong, straight winds caused considerable damage to roofs, fences, trees, and utility lines. Wind speed was estimated at greater than 60 mph.						
3SW Chocotah, McIntosh County	18	6:15p	1/2	100	0	0	0	0	Tornado, rain, hail
			A tornado touched the ground briefly. Heavy rain and small hail was also reported.						
Oklahoma (continued)									
SE of Wagoner, Wagoner County	18	about 6:30p							Funnel aloft
Marlow, Stephens County	23	about 11:45a			0	0	0	0	Hail
			Hailstones, measuring 1 3/4 inch in diameter, caused no damage.						
Rowles, Seminole County	23	2:45p	?	?	0	0	0	0	Hail, wind
			Hailstones, measuring 1 1/2 inches in diameter, and strong winds struck Rowles, but no damage was reported.						
15 Newoka, Seminole County	23	3:00p							Funnel aloft
Tahlequah, Cherokee County	23	6:10p			0	0	0	0	Hail
			Hailstones, measuring 1 3/4 inches in diameter, caused no damage.						
Muskogee, Muskogee County	25	3:50a							Funnel aloft
Ryan, Jefferson County	25	5:00a			0	0	4	0	Lightning
			Lightning struck home causing fire which destroyed home and contents.						
Near Tahlequah, Cherokee County	25	about 5:00a			2	0	4	0	Lightning
			Lightning set home on fire. The home was destroyed and 2 elderly sisters died in the fire.						
Lake Canton, Elaine County	26	5:30p							Funnel aloft
Lawton, Comanche County	26	6:15p	**200	100	0	0	4	0	Wind, hail
			Gusty winds, estimated at 80 mph, turned over and demolished 3 empty mobile homes. Hailstones, measuring up to 2 3/4 inches in diameter, fell during the storm.						
Fairview area, Major County	26	about 6:30p	5	*5	0	0	0	0	Tornado, 2 funnels aloft, hail
			Three funnel clouds were sighted within 5 miles of Fairview. One touched the ground briefly 5 miles west of Fairview. Hailstones, measuring up to 1 1/2 inches in diameter, were observed but no damage was reported.						
Chickasha, Grady County	26	7:10p-7:30p	3	*1	0	0	5	0	Hail, wind
			Hailstones, measuring up to 1 1/2 inches in diameter, caused considerable damage to roofs, window screens, and paint on buildings. There was minor wind damage.						
Drummond, Ames, Barr, Waukomis areas, Major and Garfield Counties	26	about 8:30p	5	*5	0	0	5	0	2 Tornadoes, wind, funnel aloft
			Two tornadoes struck the area destroying 5 homes and extensively damaging 9 others. A number of barns and other outbuildings were either destroyed or heavily damaged. One old school house was destroyed. Approximately 100 utility poles were downed. The most destructive of the two tornadoes moved northeastward along a path 3 miles long and approximately 50 yards wide from about 5 miles south-southwest of Drummond towards Waukomis. The other tornado, with a very short path, moved northeastward from a point about 2 miles east of Ames. One funnel cloud was sighted aloft in the area and there was additional damage from straight winds.						
Garfield County	26	evening	?	?	0	0	0	0	Hail, wind, rain
			Widespread hail and wind damage resulted from a line of severe thunderstorms that moved eastward across the county. Hailstones, measuring up to 1 3/4 inches in diameter were reported at Enid. There was an unofficial report of 5 inches of rain in Enid within an hour and a half.						
25SW Blackwell, Garfield County	26	before 10:00p							Funnel aloft
West of Marland, Noble County	26	night	10	*4	0	0	0	4	Hail
			Hailstones, measuring up to 1 inch in diameter, caused damage to the small grain crop ranging from 25 to 75 percent.						
Wantonga area, Elaine County	29	5:10p	5	*2	0	0	5	5	Hail
			Hailstones, measuring up to 4 inches in diameter, caused roof, siding, and glass breakage damage to over 50 percent of the homes in Wantonga. Autos and business houses were also heavily damaged. Thirty to 50 percent of the wheat crop was downed.						

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					KILLED	INJURED	PROPERTY	CROPS	
Oklahoma (continued)									
Martha area Jackson County	29	9:30p	?	*5	0	0	4	4	Hail, wind, rain
									Ballstones, measuring up to 4 inches in diameter, broke 125 windows out of the school building, and also out of a number of homes on the west side of town. Crops received considerable damage from the hail and heavy rain. Wind gusts were estimated at 60 mph. Rains in excess of 3 inches were reported in the area causing some flooding in Martha.
Jackson, Kiowa, Caddo, Grady, Canadian, Oklahoma, Logan, and Payne Counties.	29-30	10:25p-2:00a	140	100-400	0	2	6	0	Tornado
									A tornado developed southwest of Altus, near Olustee, at approximately 10:25pm and then moved northeastward at around 45 mph before dissipating 5 miles south of Stillwater at 2:00am. The tornado was sighted on the ground several times along this path and was tracked by radar at the Weather Bureau Station in Oklahoma City. A pilot who flew over the storm path from east of Guthrie to south of Stillwater reported that it was definitely on the ground at times. At one point, southwest of Coyle, the tornado picked up a trailer home and moved it 100-150 feet to the west while the storm path continued in a northeast direction. Two persons were slightly injured in the trailer home. The greatest damage along the storm path was in a residential area in the extreme northwest section of Oklahoma City. There, 30 homes valued at from \$25,000 to \$50,000 were either destroyed or damaged. As the storm moved across this residential area, the funnel appeared to have been roof top level high at times, but never on the ground.
Grady, Canadian, Oklahoma Counties	30	1:00a-2:00a	50	200-800	0	46	7	0	Tornado, wind, rain
									The first damage from the tornado occurred about 4 miles northwest of Pocasset, in Grady County, and approximately 25 miles southwest of Oklahoma City. The tornado then moved along a northeastward path to where the last damage was observed 2 miles west of Arcadia. Only 2 or 3 persons reported seeing the funnel, but a number of persons heard a loud noise, like that made by a jet engine. In several areas roofs of buildings were moved at right angle to the path of the storm, indicating a rotating column of air. Most of the damage was at Mustang, just southwest of Oklahoma City, and along a path up to 1/2 mile wide from the southwest corner of Oklahoma City to the northeast corner. A farmstead, northwest of Pocasset, received \$10,000 damage, and there was extensive damage to a home and several outbuildings 2 miles west of Arcadia. Two semi-trailer trucks, in the path of the storm, were blown off of I-40 and turned over on their sides while entering Oklahoma City from the west. Other damage was observed along the path of the storm. At Mustang, damage was estimated at \$500,000 and was confined mainly to a shopping center and to the city hall in the north part of town. About 3 miles northeast of Mustang, a school building was extensively damaged with most of the windows blown out. One mile west of Mustang, wind equipment belonging to the National Severe Storm Laboratory recorded the wind speed at 110mph. Southwest of Mustang, about 7 miles, a rain gauge belonging to the Storms Lab measured 5 inches of rain. In Oklahoma City, damage was estimated at \$6.3 million. There was damage to 1473 homes, 293 businesses, 8 schools, 12 churches, and 300 signs. Southwestern Bell Telephone Company officials reported 30,000 telephones out of order, primarily in northwest Oklahoma City and in Mustang. Oklahoma Gas and Electric Company officials reported 215 poles downed. Observation of the damage at both Mustang and Oklahoma City did not indicate that the funnel was on the ground in these two areas, but was at roof top level or higher. Civil Defense and utility company officials were of the same opinion.
SE Cushing, Payne County	30	2:45a	**200	50	0	2	4	0	Tornado
									A tornado touched down briefly causing considerable damage. Six homes were damaged, one car was damaged, and several garages were damaged. Trees were uprooted and utility lines were downed. Two persons received minor injuries.
Oregon									
Cascade and Blue Mountains	18-20	noon 18th 8 am 20th			0	0	?	?	Snow and Hail
									Unseasonably heavy snow was recorded at the higher levels in the major mountains while periods of rain pelted the lower slopes and valleys. Heaviest periods of snow occurred on the evening of the 18th and again on the 19th. Storm totals in the Cascades varied from 15 inches at Crater Lake National Park Headquarters to 17 inches at Government Camp on Mt. Hood. Up to 8 inches of snow on the major Cascade passes by the night of the 19th caused a 4- to 5-hour delay for about 300 vehicles snarled in the Salmon Hill area east of Warm Springs Junction on Mt. Hood Highway U.S. 26. Interstate 80W over the Blue Mountains was also closed for a while on the morning of the 20th when heavy snow conditions prevailed at times. Meacham WFO reported a snowfall total of 16 inches. Large soft hail fell in the Phoenix-Talent area on the afternoon of the 19th, but apparently did little, if any, damage to the year crop.
Nearly Statewide	25-27	5 pm 25th 7 am 27th			0	0	?	0	Snow and Hail
									A major storm crossing Oregon produced late-season snowfall. Snow depths of 1 to 2 inches at lower elevations contributed to a rash of accidents along lushy mid-willamette Valley thoroughfares. Snowfall of 3 to 6 inches covered the southwestern
Oregon (continued)									
Valleys and most of the eastern two-thirds of Oregon. Heaviest fall of 14 to 16 inches was reported along the Cascade Mountains from Crater Lake northward to Mt. Hood while the Blue Mountains received up to 8 inches. Snow cover was also reported along the coast at Seaside and Depoe Bay. Reports of ground-covering hail and sleet were reported on the afternoon of the 25th in the Portland areas of Rocky Butte, Parkrose, Milwaukie and West Hills.									
Pacific									None reported
Pennsylvania									
Statewide	2	Day & night					6	4	Wind
									High winds caused extensive damage to housetrainers, roofs, windows, awnings, and signs. Power and telephone service was interrupted in most areas. Huge trees were uprooted while television antennas, trees, and limbs fell on property and cars. Display windows were blown out in many areas throughout the state. There were widespread reports of damaged small equipment sheds and buildings used for storage purposes. Damage to overturned and demolished trailers was estimated at \$200,000.
Eastern Pa.	2	Day & night			1	10	5	4	Wind
									Total wind damage in Lancaster County was \$100,000. A farm building roof was blown off and dropped into the middle of the Pennsylvania Turnpike near the Lancaster-Reading interchange disrupting traffic while nearly an estimated 8,000 chickens were killed when a three-story chicken house was demolished by winds. In Lebanon a high tension wire fell on a car and caused \$1,000 damage in the ensuing fire while 2 cars were demolished by falling trees in Palmyra. Near Norristown, Montgomery County, a farm silo was blown to the ground; and in Philadelphia thousands of commuters were stranded when a large tree fell on overhead wires east of the Queen Lane Station. At Pleasant Mount in Wayne County a large barn was blown down with nine cows killed and 12 others injured so badly they had to be slaughtered. A workman in Doylestown, Bucks County, was killed and two others injured when strong winds collapsed a house under construction. Near Center Square, Montgomery County, a wind-topped wall trapped an elderly man who suffered fractured ribs. In Chester County a man suffered injuries when his trailer was blown off its foundation. Five persons in Berks County were injured due to mobile home wind damage. At Bethlehem, Lehigh County, a woman was injured when the wind blew a door in her face.
Central Pa.	2	Day & night			1	9	4	3	Wind
									In Blair County high winds collapsed a broadcast tower used by WVAH Radio in Altoona and damaged two others with estimated losses at \$15,000. Also in Blair County estimated wind damages to a barn were \$4,200, a woman and her child were injured when their mobile home overturned, and another woman was blown to the pavement and suffered injuries. In Bedford County a falling tree triggered a three-car accident. A three-year-old boy was killed when high winds demolished his trailer home near Aitch in Huntington County. In State College, Centre County, six cars were damaged by a falling tree, and a girl was seriously injured when crossing Route 322, she held her head from the wind and did not see approaching traffic. In McConnellsburg, Fulton County, three persons were injured when four mobile homes overturned. In Franklin County two persons sustained injuries from flying debris.
Western Pa.	2	Day & night				10	5	3	Wind
									In Uniontown, Fayette County, damage was estimated at \$5,500 when a barn housing a boat was destroyed by winds. Near New Castle in Lawrence County a 2-car garage was blown off its foundation with estimated damages of \$2,000. At Lake Latorka, Mercer County, gale-force winds caused a total of \$40,000 damage to three lakeside cottages and slightly damaged twelve others. At the Greene County Airport winds damaged the T-hanger as well as a small plane. At least one car was demolished and five others damaged by flying debris in Westmoreland County. In Pittsburgh eight persons were hit by flying debris. In Washington County a man suffered a fractured pelvis when blown from a ladder and a woman sustained cuts from a breaking plate-glass window.
Statewide	2	Day & night					5	4	Rain, flooding
									Heavy rains caused flash flooding in many sections of the state. Some schools were closed due to flooded highways, street damage occurred due to cave-ins and wash-outs by surface water.
Eastern Pa.	2	Day & night				4	5	4	Rain, flooding
									In the southeastern corner of the state drivers were plagued by severe thunderstorms which resulted in poor visibility and slippery roads and caused traffic accidents. At a chemical plant in Upper Bucks County two lagoons had to be sandbagged to prevent them from overflowing and polluting the surrounding sources of drinking water because of the 2.37 inch rainfall. There was flood damage reported throughout Lebanon County, and Montour County reported a considerable amount of damage due to flooding. In Chester County four persons were injured in a three-car accident caused by poor visibility.
Central Pa.	2	Day & night					6	5	Rain, flooding
									In Bedford County flood damage was particularly severe with damages estimated at \$5,000,000.

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					KILLED	INJURED	PROPERTY	CROPS	
Pennsylvania (continued)									
Western Pa.	2	Day & night					4		Rain, flooding
Thousands of dollars in damages and production were suffered by a sand and gravel company in Bloomsburg, Armstrong County, due to flooding.									
Statewide	2						5		Winds and rain
Several buildings under construction collapsed. The collapse was attributed to heavy rains and gusty winds which weakened the structures.									
Berks County	2	Day					5		Lightning
In Reading a bolt of lightning collapsed a 10-foot wide section of the roof of a chemical corporation and set off the firm's sprinkler system, creating extensive water damage.									
Huntingdon County	23	Early morning					3		Lightning
Five deer were killed by lightning in Juniata Township.									
Erie and Crawford Counties	30	Afternoon					4	4	Lightning, hail
In Meadville a barn protected by lightning rods was hit by lightning destroying machinery, hay and grain which were stored in the barn. Estimate of loss not given. Three-quarter inch hail was reported 15 miles east-northeast of Erie in the late afternoon.									
Puerto Rico	30	Afternoon			0	0	0	0	Wind and hail
High winds and hail during afternoon thunderstorms caused property and crop damage in a number of north coast and interior towns. In the Isabella area power lines were downed, four homes damaged and two lost their roofs. Sugar cane and minor crops were damaged. In the Morovis area pea size hail and winds damaged tobacco and minor crops. Hail was also reported at Lares, Cidra and along the Barranquitas to Comerio road.									
Rhode Island Statewide									
	2-3	AM-AM			0	1	5	0	Heavy rain, wind
Snow over the interior and rain offshore and along the coast quickly changed to general rain with some heavy showers and thunderstorms superimposed. Total storm precipitation of 2.0 to 3.8 inches coupled with wind gusts of up to 61 mph. over the mainland and 85 mph. at Block Island downing trees and poles and causing several serious power failures. Extensive flooding occurred along smaller streams and highways. A number of road washouts occurred and local flooding in low lying areas was common. High tides and wind driven waves joined to lash shorefront installations and flood roadways. In the late afternoon a VW bus was tipped over by the wind in Cranston. Although the rain ended by mid-evening on the 2nd, the wind continued strong into the 3rd causing additional power outages. During the night a decorative concrete block wall, 60 feet long and 18 feet high, under construction in Pawtucket, was knocked down, and later in Cranston, an iron worker was thrown 25 feet to the ground.									
South Carolina Union County									
	1	11:55 a.			0	0	0	0	Hail.
Golfball sized hail reported by operator of fire tower near Whitmire.									
Anderson County and Lancaster, Chesterfield, Sumter and Marlboro Counties.									
	2	6:45 a. to 11:00 a.			0	1	5	0	Windstorms.
High winds accompanying a fast moving cold front, caused tree and structural damage along a 2 1/2 mile path in Anderson at about 7 a.m. Power was out due to trees falling on lines, several houses had trees fall on them, a few porches were partially demolished and one house was badly damaged. As the cold front moved across the state minor wind damage was done in Lancaster where a tree was blown down and a garage blown off its foundation. A tree fell on a car being driven by a woman in Sumter. She suffered only minor injuries. In Chesterfield County a barn was roofed in Shiloh Community, a utility shed demolished in Ruby and a large window was broken in Cheraw. In Bennettsville in Marlboro County an auto was damaged when a tree limb fell on it, a tool shed was damaged and one or two trees were downed.									
South Dakota North and western 2/3									
	12				0	0	7	0	Heavy snow
Heavy snow of up to 17 inches accompanied by wind which caused 2 to 3 foot drifts blocked many roads in the area. Many schools were closed. The heaviest amount of 17 inches was reported at Aberdeen with amounts of about 1 foot common in many areas.									
Deuel, Codington, Clark, Hamline, Kingsbury, Brookings, Moody and Lake Counties									
	12				0	0	5	0	Heavy icing
Freezing drizzle and rain caused heavy icing in the east central part of the state resulting in extensive damage to utility lines. The ice storm caused outages in 20-30% of the rural electric service. There was also extensive tree damage caused by the icing. There were undetermined losses of unborn calves and lambs in the western part of the state.									

See reference notes at end of table.

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM		
					KILLED	INJURED	PROPERTY	CROPS			
South Dakota (continued)											
Most of state	18-22						0	0	2	0	Heavy snow
A slow moving storm dropped heavy snow in the Black Hills during the period from the 18th through the 20th and moved into the eastern part of the state by the 22nd. Amounts of up to about 2 feet accumulated in the Black Hills. Lead received 22 inches which added to the previous season's snowfall and accumulated an all time seasonal record of 206.6 inches for the 1969-70 season. The previous seasonal snowfall record was 187.8 inches in 1954-55. Snow accumulations in the lower elevations of the state were up to about 1 1/2 feet in portions of the west and north. The lightest amount fell in the southeast where Sioux Falls reported 2 1/2 inches. There were undetermined losses of unborn calves and lambs in the western part of the state.											
Aberdeen 7NE	26	9:25 p									Funnel cloud aloft
Tennessee Shelby County											
	1	2:25-4:30p.	Short	Narrow	0	0	4	0			Tornado
Severe thunderstorms moving northeastward across county showed evidence of a small tornado that touched down momentarily and damaged a factory before it pulled back up into the clouds. The storm struck the Pace Company complex on Highway 61 near the Mississippi State line, at approximately 1:20 p.m. A large portion of the roof was torn off one building and debris was scattered over the area, knocking down wires and damaging company vehicles. Two utility poles adjacent to the building were broken off at roof level.											
Memphis, Shelby County	1	2:27p.m.			0	0	4	0			Lightning, rain, hail
Thunderstorms produced instances of lightning damage over city. Heavy rains temporarily flooded key traffic arteries, stalling motorists in downtown Memphis. Golf-ball size hail fell in East Memphis.											
Madison County	1	3:00p.m.	Short	Narrow	0	0	4	0			Tornado
A small tornado touched ground briefly nine miles south of Jackson. Witness reported funnel cloud as storm moved from West to East. The tornado demolished a large barn, and damaged a house belonging to J. Barford. Considerable hail was reported in storm area around Jackson. Tornado was part of very severe thunderstorms which struck eastern areas of the State later in evening.											
Madison County	1	4:00p.m.									Funnel Cloud
A funnel cloud moving northeast was reported 12 miles west of Jackson.											
Carthage, Smith County	1	8:30p.m.	3	Narrow	0	2	4	0			Tornado
Tornado struck Hawks Creek community near Carthage. Five frame homes and two large barns were heavily damaged. Several large trees uprooted or broken. Mrs. K. Modfield and her 5-year old son were injured by flying debris. The tornado bounced and skipped along a discontinuous 3-mile long path before lifting back into the clouds.											
West State	1	p.m.			0	0	4	0			Rain
Mostly minor flooding of low lying roads and farmlands.											
Coffee County	1	p.m.			0	0	4	0			Wind
Scattered damage to power lines and trees.											
Warren County	1-2	p.m.-a.m.			0	0	4	0			Thunderstorms
Wind gusts to 60 mph in thunderstorms caused local damage in many areas. A mobile home was overturned several times and demolished near McMinville. A roof was lifted from the Beersheba Road Car Wash in the Northside community by high winds and demolished. The Mt. Leo Farmer's Roadside Market was blown away. Brief but very strong winds damaged trees and power lines.											
East State	2	a.m.			0	0	5	0			Wind
Wind gusts to 50 mph damaged several farm buildings, trees, awnings and power lines. Many small areas affected.											
Huntingdon, Carroll County	2	p.m.			0	0	3	0			Wind
Minor wind damage in the Huntingdon area.											
Crossville, Cumberland County	12	a.m.			0	0	7	0			Lightning
Frame house on Plateau Road destroyed by fire set by lightning.											
Memphis, Shelby County	12	10:37p.m.			0	0	4	0			Wind, hail
Wind gusts to 62 mph at Memphis International Airport. Hail up to 3/4 inch diameter damaged trees, windows and utilities.											
Jackson, Madison County	12	11:51p.m.									Wind
Minor wind damage in the Jackson area. Wind gusts to 58 mph at Jackson McKellar Airport.											
Weakley County	12	p.m.			0	0	4	0			Wind
Scattered wind damage to trees, houses and power lines.											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Tennessee (continued) Anderson, Knox, Blount Counties	13	3:15-4:30p.			0	1	4 ⁰	0	Thunderstorms, wind, hail and lightning
									Severe thunderstorms in east-central Tennessee caused local wind damage to trees, utilities, buildings and crops. Hail up to 1 1/4 inch diameter reported. Utility lines were damaged by broken limbs and transformers by lightning. Fruit trees in full bloom and early garden plants were stripped of their foliage.
Chattanooga, Hamilton County	13	3:30p.m.							Turbulence
									Pilot reported moderate to severe turbulence at 3500 feet, 25 miles northwest of city.
Memphis, Shelby County	19	10:45a.m.	1/4	50	0	0	5	0	Tornado
									A small tornado passed over a golf course and clubhouse in Shelby County, approximately 10 miles east of Memphis International Airport. A large storeroom was unroofed and parts of the main clubhouse damaged by steel trusses which were lifted off the storage area and dropped on, or blown across the building. Estimated total damage, \$125,000.
Counce, Hardin County	19	1:17p.m.	3	200	0	0	4	0	Tornado
									Evidence indicates that this tornado was a continuation of the path of the tornado which earlier struck Ripley and Corinth, Mississippi. In the vicinity of Counce, one house, a mobile home, two farm buildings, and a garage were heavily damaged. At approximately 1:20 CST, wind gusts to 70 mph were recorded at Pickwick Dam TVA. Tornado damage at Counce was estimated at \$30,000.
State	19	p.m.			0	0	5	0	Thunderstorms
									High, gusty winds accompanied by rain over the state during early evening was limited to localized damage from downed trees and broken limbs causing many power and telephone outages; a few homes and barns were damaged or unroofed, carports and porches were blown off, and some crops were damaged. Wind gusts to 50 mph were observed at McKellar Airport in Jackson at 6:10 p.m. Nashville Weather Bureau Office observed wind gusts to 70 mph from 8:05 to 8:20 p.m.
Columbia, Maury County	22	1:30p.m.			0	0	4	0	Wind, hail
									Several power and telephone lines down. Scattered reports of damage to mobile homes and trees. Hail up to 1 inch diameter reported.
Knox County	22	5:50p.m.			0	0	4	0	Wind, hail
									Wind and hail damage to homes and farm buildings, 16 miles west-southwest of Knoxville.
Hamilton County	22	5:00-6:00p.			0	0	4	0	Wind, hail
									Wind and hail damage to homes and farm buildings. Stones the size of golf balls reported.
Grundy County	22	p.m.	?	?	0	0	?	?	Hailstorm
									A driving hailstorm ripped into portions of Palmer-Collins-Laager-Oruel-Mt. Vernon sections of Grundy County. Hailstones measured 3/4 inch up to 2 inches in diameter. An estimated 200 homes and several buildings were damaged by the hail storm. A large number of birds and chickens were killed, including several calves, dogs and goats.
Manchester, Coffee County	22	p.m.			0	0	4	0	Wind
									Scattered wind damage to houses, carports and trees.
Memphis, Shelby County	24	3:20-3:35a.m.			0	15	6	0	Tornado (3)
									Tornado (#1) Developed in southwest Shelby County and moved rapidly east-northeastward through Whitehaven Community, across the south end of Memphis International Airport to about the intersection of Copeland and Raines Road. At about the same time, Tornado (#2) passed over the Hi Air Aircraft parking area in the northwest corner of the airport. Witness reported seeing a white cloud dip down and scramble 33 airplanes. Directly east of Hi Air, the tornado inflicted severe damage to a church and other buildings in the Parkway Village section of Memphis. Tornado (#3) entered Tennessee at a point near Highway 51 in Shelby County and moved northeast to the corner of Swinnea Road and Holmes Road. The third tornado moved across DeSoto Air Park and inflicted extensive damage to a number of small airplanes on the ramp and in a hangar, and then destroyed a section of the roof of a farmer's market on Highway 51 just south of the Tennessee-Mississippi border. (See Mississippi Storm Data for additional information on this storm). All evidence indicates that the three tornadoes touched ground only for brief intervals; but there was a narrow path of continuous damage. Thirteen persons were injured, none seriously. Storm damage included: 33 homes received major damage, including 5 which were demolished, 117 buildings and/or homes received minor damage; 290 at Whitehaven, 117 in Lakeview Subdivision, 8 at Parkway Village, and 2 buildings were damaged by wind at Collierville. At Memphis International Airport, 22 aircraft were heavily damaged, and 11 received minor damage. Total damage was estimated at 2 million dollars.
McNairy, Hardin Counties	24	4:30a.m.	Short Narrow	0	3	4	0	0	Tornado
									A tornado injured three persons and destroyed property at the junction of Highways 45 and 142 in McNairy County. It was reported that three houses and several barns were destroyed or damaged, and several trees uprooted. Estimated total damage, \$50,000. What was
See reference notes at end of table.									
Tennessee (continued)									probably the same tornado touched ground briefly a second time about 25 miles eastward in the Shiloh National Military Park. Property damage was relatively minor, but several hundred trees were uprooted. Five gun carriages (cannon) were damaged and several park signs and split rail fences were destroyed. The heaviest concentration of tree damage was at the home of the Park Superintendent. Fourteen giant oak trees were uprooted and strewn in every direction. The tornado caused only minor damage to the house.
Memphis, Shelby County	25	9:36a.m.							Funnel cloud
									Memphis International Airport FAA Tower reported funnel cloud 10 miles south of airport. No damage reported.
East	27				0	0	5 ⁰	0	Rain and flooding
									Several areas received 1 to 3 inches of rain in less than 24 hours. Many streams reached flood stage, resulting in washouts to streets and highways. Low places flooded in numerous places; some homes and buildings invaded by high water. At Rockwood, the roof of a supermarket collapsed under the weight of accumulated water during heavy thunderstorms. Property damage from water in the Rockwood area was estimated at \$300,000. County Agricultural Agents reported most gardens washed out by the heavy rains.
Cheatham, Montgomery, Robertson, Sumner, Macon Counties	27	2:00p.m.	42	100-200	2	85	6	0	Tornado
									This tornado bounced and skipped along a discontinuous 42-mile long path across three north-central counties. The tornado traveled about 35 mph and was first observed along the Montgomery-Cheatham County line on Highway 44A, where it demolished two homes, a mobile home and several automobiles. From this point the storm moved along an east-northeastward path through mostly rural areas into Robertson County where some of the heaviest damage occurred between the towns of Springfield and Greenbrier. In many places, houses and farm buildings were completely demolished while others suffered extensive structural damage. At approximately 2:16p.m., the tornado slashed a 2600' long path and 600' wide across the University of Tennessee, Highland Rim Experimental Farm and demolished seven houses and eight barns, uprooted trees and caused extensive damage to farm tractors and equipment. Mr. L. Saffley, Superintendent at the farm described the funnel as a black and yellow cloud filled with soil and debris. The tornado appeared to remain on the ground until it neared the Robertson-Sumner County line. A series of touchdowns occurred thereafter, along a skipping path beginning at Johnson Crossroads, Halltown community, Pleasant Hill vicinity, Rock Bridge community, Mt. Vernon, then leaped into Macon County near New Zion where it dissipated. Total storm damage included: 76 houses and 80 barns destroyed or heavily damaged. Three mobile homes demolished, and 5 churches and 5 buildings heavily damaged. Property damage was estimated at 1.5 million dollars. Two persons died several hours later as a result of injuries sustained in the storm and 85 persons were injured; 30 serious enough to be hospitalized. Of the injured 75 persons were Robertson County residents.
Clinton, Anderson County	27	4:00p.m.			0	0	4	0	Lightning
									Fire caused by lightning destroyed home of C. Stooksbury on Brushy Valley Road near Norris Freeway.
Texas Panhandle	4				0	0	0	0	Heavy snow
									Up to 10 inches of snow fell in the upper Texas Panhandle, north of the Canadian River. The heaviest snow fell in a 50 mile-wide strip. Delhart marked the top of the heavy snow belt and Dumas and Higgins the bottom. The 10 inches occurred in Moore County around Dumas. From six to ten inches of snow were on the ground north of the Canadian River. Rain mixed with snow was reported as far east and south as Wichita Falls. Both Fallett and Spearman had eight inches of snow on the ground.
8 WSW Lubbock, Lubbock County	16	7:10 a							Funnel aloft
									The Lubbock Weather Bureau Office observed a "hook" shaped echo on radar at 7:07 a.m. The hook was attached to the south part of a large echo located near Shallowater that was moving east-northeast about 40 miles per hour. At 7:10 a.m., a pilot reported seeing a funnel cloud aloft in practically the same spot that the hook echo indicated the funnel should be.
Quanah and vicinity, Hardeman County	16	4:30 p-4:50 p	?	?	0	0	4	0	Wind and hailstorm
									Thunderstorm winds accompanied by hail up to one inch in diameter battered Quanah. Wind gusts of 75 miles per hour were reported at the Quanah Airport. The heaviest hail was reported about two to three miles southwest of Quanah. The strong winds blew over the carport and one wall of the house of Police Chief Bill Wheat. East of the city, a 12 x 60 foot trailer home was blown over. Winds also blew down a 20-foot-high sign that tore a hole in the roof of Dutch's Restaurant in Quanah. Damage to the interior of the restaurant resulted from rainwater pouring in through the hole.
Margaret, Foard County	16	4:45 p							Funnel aloft
Lubbock, Lubbock County	16	7:30 p	?	?	0	0	0	0	Hailstorm
									Hail measuring three-quarter inch in diameter fell in the western edge of Lubbock. No damage was reported.

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Texas (continued) Oldham County	17	8:45 p- 11:00 p	?	?	0	0	?	0	Hailstorm, wind, funnel aloft
									Hail, up to one and three-quarters inches in diameter fell across central Oldham County, but caused little or no damage. Winds caused slight damage to a few small buildings and to signs. A funnel aloft moved across Oldham County from about Glenris (New Mexico) to the vicinity of Adrian and Tascosa. In New Mexico, the funnel touched ground about 35 miles southeast of Tucumcari, where it destroyed two barns and a church, but apparently, it lifted, and remained aloft across Oldham County, in Texas.
Hockley and Lamb Counties	17	9:00 p- 10:30 p	15	4	0	0	?	?	Hailstorm
									Hail up to 2 3/4 inches in diameter fell in northwestern Hockley and southern Lamb Counties. Hailstones averaged about 3/4 inch in diameter. No damage was reported.
Edmonson, Hale County	17	10:00 p	?	?	0	0	5	0	Windstorm
									A freak windstorm, which many residents believed to be a tornado, destroyed a cotton gin and damaged cotton trailers at Edmonson. The loss was estimated at \$300,000. Debris from the gin was spread over a mile northeast of the gin by the storm. There was no other damage.
Amarillo, Potter-Randall Counties	17	10:40 p	?	?	0	0	?	0	Hailstorm
									Hailstones up to 1 3/4 inches in diameter fell in southwest Amarillo. No damage was reported.
Cochran, Hockley, Lamb, Hale, Swisher, Briscoe, Hall and Donley Counties	17-18	8:50 p- 12:40 a	140	3/4	5	77	7	?	2 Tornadoes, hail and windstorms, several funnels aloft
									A storm system moving northeastward across portions of the South Plains and Panhandle regions spawned a "family" of tornadoes and funnel clouds aloft that left an intermittent track some 140 miles long through eight counties. Tornadoes resulted in 5 deaths, 77 injuries, and a total loss to property estimated at \$9.9 million. The exact number of tornadoes is not known. In some localities, four to five funnels were reported, but it is not known how many of these actually touched ground. Two tornadoes are known to have touched ground simultaneously, one to two miles apart. A tornado was observed first in southeastern New Mexico, near Lovington, about 8:00 p.m. on the 17th, and appeared to be associated with the same storm system that struck later in Texas. In this case, the track of the family of tornadoes would be close to 200 miles in length. Measurements on maximum radar echo tops showed the storm system to have a speed of 25 to 35 knots (29 to 40 miles per hour). The paths of the tornadoes varied considerably along the 140-mile intermittent track, from about 100 yards to one-half mile.
									A tornado struck Whiteface in Cochran County at 8:50 p.m. Twenty persons were injured, but there were no deaths. Almost every building in the town was damaged; some were a total loss. Damage was estimated at \$2 million. Hailstones four inches in diameter fell during the storm. At Whiteface, the tornado path was one-half mile wide. Only one tornado was observed here.
									What appeared to be the same tornado that struck Whiteface, hit the Whitarral Community at 9:26 p.m. At Whitarral, four persons were injured and school buildings were heavily damaged. Property loss was estimated at \$700,000. A large grocery and cotton gin were destroyed also.
									The Whitarral Postmaster said, "The tornado was not the usual funnel shape, but more like a rain cloud. It hit Whitarral like a 'ball of fire', lighting entire town with electricity picked up when it hit power lines."
									Northwest of Anton, the tornado was on the ground for about 10 miles, and the path of damage was one-quarter mile wide. Two other funnels were observed, but it is not certain that these touched ground. Damage to property in the area as a result of the tornado was estimated at \$3,000. Other high winds caused an estimated \$5,000 damage. Hail one inch in diameter was reported.
									Tornadoes ripped through the Cotton Center-Hale Center rural area beginning about 10:00 p.m. and ending around 10:30 or 10:45 p.m. Four or five funnels were reported; two tornadoes one to two miles apart were on the ground at the same time. The path of damage was 20 miles long. Two persons were killed when one of the tornadoes slammed into a pickup truck in which a family was riding. Mrs. Mary Saucedo and her son Tommy were killed. The pickup was "smashed flat as a pancake" but several members of the family escaped with their lives.
									Besides the two deaths, seven persons were injured, and total damage to property was estimated at \$750,000. The tornado missed Cotton Center by two miles but destroyed eight homes north of the town. Numerous barns and outbuildings were destroyed.
									One tornado struck Plainview about 10:40 p.m., skipping over "tornado watchers" posted outside the city, then dropping onto the southwest edge of the city in the Plainview Country Club area. The tornado traveled east along 5th Street, uprooting trees, destroying buildings and ripping out power lines. The tornado then turned northeast to stay on the ground on the northeast edge of Plainview. The funnel was 100 to 600 yards wide and did not stay in contact with the ground at all times. Taller structures in its path were destroyed, while lower structures suffered inter-

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Texas (continued)									mittent damage. The tornado was firmly on the ground as it moved through the 36th Ward Community, adjoining Plainview on the north-east, and cut a swath three to six city blocks wide, leveling almost everything in its path. Miraculously, no one in Plainview was killed. Forty persons were injured, and property damage totalled \$2.5 million. The path of the tornado through Plainview was five miles long. There was little noise associated with the tornado when it struck, and it was hidden from view due to lack of lightning and due to fog. A total of 121 city blocks in Plainview suffered some storm damage.
									The tornado plowed the rural area in the southeast corner of Swisher County, about 1 1/2 miles southeast of the Claytonville community. Mr. and Mrs. W. H. Blackberry were killed when the tornado destroyed their home. Another home, that of Mr. and Mrs. Malvin Gibbons, was also blown away by the tornado. The Gibbons were safe in a storm cellar at the time. Property losses to homes, outbuildings, and farm machinery were heavy. Twenty head of cattle were killed and 50 head were injured. The tornado path was about 20 miles long and 300 to 400 yards wide. Total damage was estimated at \$445,000. Hailstones up to two inches in diameter accompanied the storm.
									The tornado left a perfectly straight line of destruction from the Briscoe County line to Silverton. The tornado hopped and skipped through the south and southeast part of town, leaving a path about 500 yards long, and 100 to 150 yards wide. The Dorothy Crosslin home was destroyed, and Mrs. Crosslin's daughter, Linda K., 14, was killed. Four persons were injured and property damage at Silverton was estimated at \$1.5 million. The tornado struck about 11:10 p.m., and was gone by 11:20 p.m. Hail, two inches in diameter, fell during the storm. The Cooperative Weather Observer reported that the storm was moving very fast and that there was very little rain and very little hail. He reported that there was little lightning, and as a result, visibility was poor.
									The tornado continued its northeasterly course, moving through the rural area near Hedley, in Donley County, about 12:40 a.m. on the 18th. The farm home of Royce Hall was destroyed, and both Mr. and Mrs. Hall were injured. A number of cattle were killed southwest of Hedley, and fruit trees and fences were destroyed. Total property loss was estimated at \$35,000.
Bailey, Farmer, Castro, Randall, Armstrong, Carson and Gray Counties	17-18	10:30 p- 1:15 a	120	3/4	1	13	6	?	Tornado, wind, hailstorm
									A tornado, accompanied by other damaging winds and hail, cut an intermittent path approximately 120 miles long and up to one-half mile wide, from the Lazbuddie Community in southeastern Farmer County to Pampa in northwestern Gray County. One person was killed and 13 injured in the tornado. Property loss totalled \$2.5 million. The storm system, as measured by maximum radar echo tops, moved from southwest to northeast at a speed of 35 knots (40 miles per hour). The tornado first struck the Lazbuddie Community about 10:30 p.m., where one person was killed and three persons injured. Three farm homes were destroyed, and three others extensively damaged. Utility poles were snapped off, fences destroyed, and farm equipment suffered heavily. Property damage in the Lazbuddie area was estimated at \$500,000. The path of the storm in this area was estimated to be 26 miles long and one-half mile wide. The tornado touched down again in the southwest corner of Randall County, where it cut a path about 20 miles long from 18 miles west and two miles north of Happy to across U. S. Highway 87 five miles south of Canyon. The path of damage was estimated to be only 50 to 75 yards wide. Apparently, the tornado touched ground again near Conway in southern Carson County. The tornado touched ground about 2 1/2 to 3 miles west of U. S. Highway 70, then moved into the outskirts of Pampa about 12:45 a.m., where it cut a swath seven miles long and 100 to 200 yards wide across the southeast corner of the city. The funnel seemed to dip down and destroy and then lift again. Ten persons were injured at Pampa, and damage to property was estimated at \$2 million. The Gray County Agriculture Building, the Texas Highway Department Maintenance Building east of Pampa, The Sportsman's Club south of the city limits, and the Gray County Equipment Barn were all destroyed. Between 12 and 20 residences were destroyed or heavily damaged. A number of mobile homes were destroyed.
									Damaging winds and hail accompanied the storm system through Bailey, Farmer, Castro and Gray Counties. Dimmitt was hard hit by high winds. Hailstones averaged about one inch in diameter.
Donley, Gray, Armstrong, Swisher and Briscoe Counties	18	1:00 a- 3:15 a	65	3/4	16	42	6	?	Tornado
									Sixteen persons died and 42 others were injured as a result of a tornado which swept across the northwestern portion of Donley County, near Clarendon. Property damage caused by the tornado totalled \$2.1 million. The tornado track, some 65 miles long, and one-half mile wide in places, began in Swisher County, about 15 miles northeast of Hulia, and stretched northeastward to near McLean in the southeast corner of Gray County. In Swisher County the tornado cut across farm and ranch land where it killed 10 head of cattle, injured 75 head, and caused total property and livestock losses of \$100,000. In the northwest corner of Briscoe and the southeast portion of Armstrong Counties the tornado cut across rough ranch land. Near Clarendon, in Donley County, the tornado struck first in the Martin Community on U. S. Highway 287 about seven miles west-northwest of the city. The home of Mr. and Mrs. Pete Land was completely demolished. The Bob Cde home, across the road to the west was unroofed. The Cde's clock stopped at 2:10 a.m. The tornado moved across U. S. Highway 287 where it destroyed the Odell Osburn home. Mr. Osburn was killed and Mrs. Osburn was seriously injured. The tornado continued in a north-easterly direction where it struck the Sherwood Shores resort

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	
Texas (continued)									
									community at Green Belt Reservoir, about 7 1/2 miles northwest of Clarendon. Here, 12 persons were killed by the tornado immediately, and one child died later as a result of injuries, to bring the death toll to 13 at Sherwood Shores. Thirty five others were injured at this resort community, which consisted almost entirely of mobile homes. George W. Howard, Vice President of Sherwood Shores, Inc., said 172 mobile homes were destroyed; only one remained in the entire settlement. Howard estimated the damage at \$1.3 million. Through Sherwood Shores, the tornado path was one-half mile wide. The mobile home of Mr. and Mrs. Archie Pool on Highway 70 was in the direct path of the tornado. Mr. and Mrs. Pool both were killed, and their mobile home, and its furnishings, were blown away. The tornado continued northeastward through northern Donley County, damaging several farm homes, then crossed Interstate Highway 40 about four miles west of McLean in southeastern Gray County, where it blew several tank cars off the railroad tracks that parallel the highway. One tank car was blown onto the highway. In the vicinity of McLean, three farm homes were destroyed; 16 head of calves were killed; automobiles and farm machinery were damaged. About 60-75 miles of fencing were destroyed. North of McLean, one cottage at Sand Spur Lake was destroyed and five others damaged. There were no injuries directly associated with the tornado in Gray County, but property losses totalled \$400,000. In the McLean vicinity, the tornado path varied from 350 feet to 1300 feet wide. Along the path of the tornado losses to Greenbelt Electric Company, West Texas Utilities Company, and telephone companies were heavy. The storm system, as measured by maximum radar echo tops, moved from southwest to northeast at a speed of 25 knots (29 miles per hour).
Lake Worth, Tarrant County	18	After-noon	Short	Narrow	0	0	5	0	Tornado
									A tornado swept through the Roy Rogers Marineland on Lake Worth, destroying a boat house and sinking four boats. At least two other boats were damaged extensively. Gary Gentry said the tornado picked up the boat house and carried it about 50 feet before dropping it in the water. "I was working in a nearby building when the tornado hit", Gentry said. "It sounded like a train was coming." Gentry said that two unidentified youths told him of watching the tornado hit. He said the boys told him they could see it approaching and they just "grabbed a railing and held on". Damage was estimated at \$200,000. A funnel aloft was seen south of Behrook and moving north several minutes before the Lake Worth marina was destroyed. The funnel aloft was reported at 3:30 p.m. and was moving at about 25 miles per hour.
Henrietta, Clay County	18	1:20 p	?	?	0	0	0	0	Hailstorm
									Hail up to one inch in diameter fell at Henrietta. No damage was reported.
Utopia, Uvalde County	18	1:30 p-10:30 p	10	*1	0	0	?	?	Hailstorm
									Flat hailstones, about the size and thickness of a silver dollar fell in a strip one-quarter to one mile wide and 10 miles long, beginning five miles northwest of Utopia and extending 5 miles southeast of town. An estimated 10 percent of the hailstones were "dollar" shaped; the remainder were small and spherical. Only minor property damage resulted from the hail.
Comfort, Kendall County	18	5:50 p-6:30 p	?	?	0	1	?	?	Hailstorm
									A hailstorm at Comfort caused heavy damage to automobiles, homes and other property. Mrs. Victor Schmidt was knocked unconscious by a baseball-size hailstone (2 3/4 inches in diameter) that came through a window and hit her on the head. The stone went through a screen, glass, and window shade before it hit Mrs. Schmidt. She was not seriously injured. Windshields on many automobiles were broken, along with house windows and roofs. Hailstones averaged one inch in diameter with largest stones 1 3/4 to 2 3/4 inches in diameter.
Tarpley, Bandera County	18	5:40 p-6:20 p	?	*6	0	0	4	?	Hailstorm
									Hail, averaging two inches in diameter, damaged roofs of houses, and broke window panes in Tarpley. Some automobiles were damaged also. Field crops suffered minor damage. Largest hailstones were three inches in diameter. Property losses were estimated at \$8,000.
Crystal City, Zavala County	18	5:40 p-5:55 p	10	*3/4	0	0	5	?	Hailstorm
									Hail, averaging 3/4 inch in diameter, caused an estimated \$60,000 damage to roofs in Crystal City. Largest hailstones were 1 1/4 inches in diameter. Crop losses were not extensive, although two fields of onions suffered some damage due to the hail.
Center Point, Kerr County	18	6:00 p-6:30 p	2	*1	0	0	4	0	Hailstorm
									Hail averaging one inch in diameter fell in and around Center Point and caused an estimated \$10,000 damage to property. The hail was heaviest about 1/2 miles south of town. Largest hailstones were two inches in diameter. Hail fell at Camp Verde also. Crops were not far enough advanced to be damaged.
Texas (continued)									
6 N Helotes, Bexar County	18	6:30 p	1/2	67	0	0	4	0	Tornado
									A tornado touched down six miles north of Helotes, ripping the roofs from two houses, uprooting trees, and downing power lines. No one was injured. The roof was torn off the home of Raul Morales Morales' wife and their seven children were in the house when the tornado hit. Morales said he was in the garage some 25 feet away from the house and watched the tornado hit. "All of a sudden the roof was completely pulled off, taken 20 to 25 feet up in the air and then brought down on the other side", Morales said. The tornado also touched down at the Lawrence Morales home, next door to the Raul Morales home. It uprooted trees, swept a pump house into the air, but narrowly missed the Lawrence Morales trailer home. Said Mrs. Lawrence Morales, "It all happened so suddenly. The wind was blowing very hard at first. Then it got very dark and the lights went out - the power lines were down. Then everything was real still for about 30 seconds. Then it hit. I saw two big oak trees uprooted and the pump house flew about 100 yards. It was horrible." Total damage was estimated at \$5,500. The tornado moved from southwest toward the northeast.
Lockhart and vicinity, Caldwell County	18	7:00 p-8:20 p	?	?	0	0	?	?	Hailstorm
									Hail, averaging three-quarters inch in diameter, fell in the Lockhart area, with the heaviest fall about seven or eight miles northwest of town. Largest hailstones were 1 3/4 inches in diameter. Gardens in the area suffered minor damage.
Near Bastrop, Bastrop County	18	8:45 p	?	?	0	0	0	0	Hailstorm
									Hailstones up to 1 3/4 inches in diameter fell on U.S. Highway 71 near Bastrop. Very little if any hail fell in the city.
Royse City, Rockwall-Collin Counties	18	9:00 p	?	?	0	0	4	0	Tornado
									A large mobile home, that just happened to be unoccupied at the time, was completely demolished when a tornado dipped down briefly in Royse City. Nearby, the Dairy Mart was unroofed, and the Ellis home was damaged.
Near Plano, Collin County	18	10:00 p	Short	Narrow	0	2	3	0	Tornado
									Two Plano High School students enroute home from the movies suffered only minor injuries when their automobile was picked up by a tornado and thrown into a fence. Bobby Eaton tells what happened: "It was raining very hard. We were only going about 20 miles an hour, and it was raining so hard we were thinking about stopping. The wind was not blowing hard, and then all of a sudden I heard a noise like a truck passing us --- the next thing I knew I found myself lying face down in a ditch. I looked up and my car was on its side on the ground and it looked like it was going to fall over on me. Then the wind knocked the car upright, headed back toward the road." Joy Lynn Congdon said, "We didn't skid or anything --- it sounded like we went into deep water and that the car was turning --- the next thing I remember I was lying by a fence about twenty feet from the car." The back seat of Eaton's automobile was found across the road from the automobile, blown half-way through a fence. One side of the automobile was bulged out and the other side was depressed inward.
San Antonio and vicinity, Bexar County	18	10:15 p	?	?	0	0	3	4	Wind and hailstorm, funnel aloft
									The roof of a vacant one-room structure at the home of Mrs. Irene Williams, who lives by Loop 13 and Interstate Highway 37, in the south part of San Antonio, was lifted and carried about 45 feet by high winds. Mrs. Williams said there were five persons besides herself in her house trailer adjacent to the vacant building when the winds hit. Windows were broken out at the Cosmopolitan Apartments, 8502 Ahearn Street also. Hail, averaging two inches in diameter fell in the storm area, and in parts of Bexar, Kendall, Comal and Bandera Counties. The largest hailstones were four inches in diameter. Total wind damage was estimated at \$2,000; hail damage to property, at \$1,000; and hail damage to crops in the area, at \$10,000.
Near Franklin, Robertson County	18	9:20 p	Short	Narrow	0	0	?	0	Tornado
									A small tornado touched ground briefly near Franklin and caused minor damage to property.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Texas (continued) Palestine, Anderson County	19	12:05 a	?	?	0	0	?	?	Windstorm, funnel aloft
									Police reported sighting a funnel cloud aloft at Loop 256 and Sycamore Streets at 12:05 a.m. At the home of Mrs. Leah Duvall, 606 West Lacy, high winds uprooted a large tree. Several other trees in the city were uprooted also.
Longview, Gregg County	19	12:55 a	Short Narrow		0	0	5	0	Tornado
									A tornado touched down for approximately one minute in the northeast section of Longview and caused property damage estimated at several hundred thousand dollars. No one was injured. The Holiday Lodge Nursing Home, located at Winterfield Road and Eden Drive suffered the most damage. A large drive-in porch attached to the Nursing Home was twisted down doing extensive damage to the structural areas of the roof.
									"I heard the tornado coming and it sounded like a steam locomotive," said Mrs. Inez Coghlan. "It struck and I heard the twisting and crashing of the wood."
									About a block away to the southwest, 13 trees, one that measured 37 inches in diameter, were twisted off, or blown over at the Horace Mix home at 2739 Trvon Road. At the T. K. Baker home on Marquerite Drive several large trees were twisted off and their trunks thrown through the roof of the home. At the Robert C. Woolf home, 1113 Azalea Circle, a huge oak tree, 70 to 80 feet tall was twisted from the ground.
Garland, Dallas County	24	?			0	0	?	0	Lightning
									Lightning struck one of KRLD's radio towers in Garland and caused extensive damage. The switching system at the base of the tower was damaged according to Bill Honeycutt, Director of Engineering.
Lake Lavon, Collin County	25	Morning	?	?	0	1	4	0	Windstorm
									Thunderstorm winds damaged five or six mobile homes at Culleoka on the west shore of Lake Lavon. One woman, Mrs. Ann Merier, 28, suffered cuts and bruises.
Corinth community, Denton County	25	4:15 a- 4:30 a	?	*1	0	0	5	0	Windstorm
									A severe windstorm that may have included a funnel cloud aloft twisted the radio station tower located in the Corinth community about five miles south of Denton. Three mobile homes in the Corinth community were overturned and roofs of houses were damaged by the wind. Several utility poles were blown down. Property damage was estimated at \$52,400.
Dallas County	25	5:00 a- 6:00 a	?	?	0	12	6	0	Tornado, windstorm, funnel aloft
									Windstorms, including a tornado, caused an estimated \$1,180,000 damage to Dallas suburbs in Dallas County. A small tornado dipped down in Irving and injured 12 persons, only one of which was in serious condition. Twenty two mobile homes at a trailer park at Rock Island Road and County Line were badly damaged by the tornado, five beyond repair. Nine persons were injured here, including a five-month-old baby, who suffered severe head injuries. The tornado also demolished the Texas Cyprem Company storage warehouse adjacent to the trailer park. Three other persons in Irving received minor injuries when struck by flying debris. Elsewhere in Irving, parts of the roofs of the Lido Apartments and a Kroger Food Store in the nearby Villa Martinique Shopping Center were torn away. Total damage to property in Irving was estimated at \$100,000. High winds raked other Dallas suburbs with damage estimates reported as follows: Mesquite, \$100,000; Richardson, \$304,000; Garland \$20,000; Grand Prairie, \$20,000; Carrollton-Farmers Branch, \$5,000; and Lancaster, \$5,000. Planes and buildings were also reported damaged at Dallas Am Park Airport, about 2 1/2 miles north of Addison, where the main office was "blown away". A funnel cloud aloft was sighted near the airport about 1:00 p.m. At Seagoville, a cotton gin was left in shambles, and residential roofs were damaged.
Near Justin, Denton County	25	5:00 a- 6:00 a	6	*4	0	1	?	0	Windstorm
									A mobile home near Justin was overturned by high winds, and one man, Nolan Ragsdale was slightly injured. Wind gusts were estimated at 50-70 miles per hour.
Lake Dallas, Denton County	25	5:00 a- 6:00 a	3	*1	0	0	5	0	Windstorm, heavy rain
									Strong thunderstorm winds, estimated at over 80 miles per hour, caused an estimated \$200,000 damage to property in the city of Lake Dallas and in the surrounding area. Boat houses and several buildings in the Lake Dallas (Garza Little Elm Reservoir) area were damaged. Heavy rains caused an additional \$3,000 damage. At the Lakeview Airport near Garza Little Elm Reservoir, two light single-engine planes were flipped over and destroyed by the wind. Several mobile homes were overturned.
Bonham, Fannin County	25	5:30 a- 5:35 a	6	17	0	0	0	0	Tornado

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Texas (continued)									A small tornado skipped and bounced across the northern part of Bonham and across the rural areas to the west and east of the city. The intermittent path was about six miles long and only 50 feet wide. Most damage was to small buildings, roofs, trees, and television antennae, as it hit and bounced - skipping several city blocks in the city before hitting again.
									"There wasn't a breath of air just before it hit", said Deputy Sheriff H. R. Van Zandt.
									Harry Wright said, "It sounded like the roar of a passing train, but when I heard the second roar minutes later, I knew it wasn't a train".
									The tornado moved from west to east. Total property damage was estimated at \$10,000. The tornado wrecked a barn on the Elsie Miles' place, ripped and window and air conditioner out of Franklin Oates' home, ripped a portion of the roof off Rufus Austin's home and sent a piece of tin under the left rear wheel of a car parked in front of Russian Phillip's home.
4 SW Terrell, Kauffman County	25	6:15 a- 6:20 a	**100	Narrow	0	1	?	0	Tornado
									A tornado dipped to earth 4 miles southwest of Terrell and demolished a mobile home. One person was injured. Alfred Eggert, 26, and his wife, 20, were in the home when the tornado picked it up and dropped it 35 to 40 feet from where it had been parked. Eggert said when the trailer hit the ground it disintegrated.
									"I heard the wind and started to put down the window", he said, "then I heard a roar and my clothes were torn right off of me".
Paris, Lamar County	25	6:20 a- 6:45 a	3	400	0	2	5	0	Windstorm
									Severe thunderstorm winds estimated at 80 miles per hour uprooted trees, shattered plate glass windows, damaged the roofs of homes and businesses, and damaged automobiles, in a three to four block wide path through Paris. Area hardest hit were at 30th Street and Clarksville, and the section of southwest Paris in the vicinity of West Washington Street from 7th to 7th. Homes and automobiles were showered with broken limbs and uprooted trees. Two persons were injured, one seriously, when cut by flying glass. A huge storage tank at the Big Tex Feed Company on the east edge of Paris was blown over. Total property damage was estimated at \$100,000. The storm moved from west-southwest to east-northeast.
Gainesville, Cooke County	25	6:30 a			0	0	?	0	Lightning
									Lightning struck an outside television antenna at the home of H. E. Lawson, 312 Willow Way, in Gainesville. The electrical charge followed the television cable into a bedroom where it blasted a large hole in the ceiling. Shingles on the roof and insulation in the attic was damaged also. The insulation was around the air conditioning ducts.
Mineola, Wood County	25	7:00 a- 7:30 a	2	**	0	0	?	0	Windstorm, funnel aloft
									High winds estimated at 75 miles per hour damaged the roofs of several houses and uprooted trees along a narrow path one-quarter mile wide through the northwest part of Mineola. No funnel cloud was actually seen over Mineola, but witnesses said "the clouds were so dark it was like night, and it sounded like a freight train". Some persons living east of Mineola believe they saw a funnel cloud aloft. The storm moved from southwest to northeast.
Sulphur Springs, Hopkins County	25	7:00 a- 8:00 a	3	**	0	0	?	4	Heavy rain, windstorm
									High winds caused minor damage to roofs, fences, television antennae and other property in Sulphur Springs. Trees suffered the most damage; at least 12 large trees were uprooted by the wind. The brunt of the storm was caught by the residential area south of Interstate 30 and east of South Broadway. More damaging than the wind was the heavy rain in the area. A total of 2.80 inches fell at Sulphur Springs. County roads and bridges were damaged, and losses to field crops totalled \$10,000.
Hughes Springs, Cass County	25	7:30 a- 12:00 p	25	100	0	0	?	?	Tornado
									A small tornado hopped and skipped along a 25-mile path across portions of Morris and Cass Counties. The storm moved from northwest toward the southeast. The path was about two miles long and 100 yards wide as it passed about 1 1/2 miles east of the business section of Hughes Springs. Two large oak trees were uprooted. The tornado path was over open country most of the time.
Redwater Community, Bowie County	25	9:00 a	Short Narrow		0	0	?	0	Tornado
									A small tornado touched earth in the Redwater community 12 miles west of Texarkana and caused extensive damage to outbuildings.
									"The sky turned black and we heard this whirring noise", said Mrs. Bill McIntoch of the area. The McIntoch farm lost three large barns. Damage at Redwater also was suffered on the farms of Sam Hardy, R. E. McCarty, Mrs. Dick McCarty and Sidney Pretridge.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
Texas (continued) 3/8 S Graham, Young County	25	12:30 p- 12:40 p	3/4	33	0	0	3	0	Tornado
									A small tornado dipped down on the Buck Thetford farm on the Brasos River, 3/8 miles south of the Graham city limits and caused damage to property estimated at \$3,500. The path of damage was one-half mile long and about 100 feet wide. An equipment barn was blown 500 feet. A grain truck, and pickup truck, Jeep, and house boat were damaged also. The storm moved from southwest to northeast.
Ellis County	25	2:30 p- 5:00 p	?	?	5	0	5	?	Flash flooding
									Five persons drowned in northern Ellis County as a result of flash flooding of streams. Four persons were in an automobile swept from the pavement on FM 813 near the Rocket Community between Waxahachie and Ferris. Their vehicle was carried away between 5:30 and 6:00 p.m. when Red Oak Creek gushed over the roadway five to six feet deep. The bodies were recovered from the creek about one-half mile downstream from where the car entered the water. A woman's car was washed off Interstate 45E south of Ferris between 5:00 p.m. and 6:00 p.m. The woman was able to get out of her car with a small child, but the swirling waters carried both away. As the woman and child passed under a bridge, passers-by rescued the small girl. Flood damages in the Red Oak Creek Watershed totalled an estimated \$75,000. Thousands of acres of unprotected cropland were badly eroded.
Near Watauga, Tarrant County	25	2:48 p	Short	Narrow	0	0	3	0	Tornado
									A small tornado touched down twice near Watauga, north-northeast of Fort Worth. A windmill was blown over and a barn destroyed.
Kaufman County	25	5:00 p- 6:00 p			2	0	?	0	Windstorm
									Two men drowned in Cedar Creek Reservoir when their boat capsized during a thunderstorm. Two 11-year-old boys, also occupants of the boat, were thrown into the water, but were wearing life jackets, and were rescued. High winds damaged house trailers and trees around the reservoir.
Near New Boston, Bowie County	25	7:15 p							Funnel aloft
Tuscola, Taylor County	26	4:00 p- 4:30 p	**200	200	0	0	3	0	Tornado, windstorm
									A small tornado dipped down in the north part of Tuscola and caused minor damage over an area of about four city blocks. A garage was destroyed and the High School building sustained some damage. A storage garage next to a Fina service station was destroyed and the walls, roof and windows were scattered throughout the city. Equipment stored in the garage was not touched. Mike Mayfield, in the Fina station, said, "It destroyed things six feet from us but didn't come any closer". The roof of Hales service station was raised, but the Fina station was not touched by the tornado. Total property damage was estimated at \$4,000.
Webbville, Burkett and Cross Cut Communities, Coleman and Brown Counties	26	4:30 p- 5:30 p	11	400	0	0	4	?	Tornado
									A tornado severely damaged rural property along a path about eleven miles long and 200 to 400 yards wide through the Webbville and Burkett Communities in northeast Coleman County, and south-east of the Cross Cut Community, in northwest Brown County. The most damage was in the Webbville area. The home of Raymond Grissom was destroyed while Mrs. Grissom and four children were huddled in the bathroom. None of the Grissom family was hurt. From Webbville to the Grissom home, approximately two miles east, the path of the tornado could be traced by the broken trees, pieces of metal and wood from buildings. The tornado cleared an area some 200 to 400 yards wide and killed several head of live-stock, and even a few snakes, in its path. Practically every house and building in Burkett suffered some damage. The tornado moved into Brown County, southeast of Cross Cut, where it dipped down on the former Dolphus Preter place and obliterated a barn and outbuildings. On the Graham Ranch, grass was literally pulled from the ground and a hillside was left bare. Approximately one-quarter mile of powerlines cable was destroyed. The quarter-inch cable was uncoiled, bent and tangled like a twine string by the force of the tornado. The tornado moved from west to east.
5 NW Brownwood, Brown County	26	4:57 p	?	?	0	1	?	?	Tornado, hail
									Several automobiles were blown off the highway by a tornado about five miles northwest of Brownwood. One person was injured. Some hail was reported in the area.
Comanche County	26	5:30 p- 6:30 p	1	300	0	2	4	0	3 Tornadoes, hailstorm, rain
									Three tornadoes touched ground southwest, east and north of the Sidney community in west Comanche County. Two persons were injured and damage to property estimated at \$30,000. The path of one tornado was about one mile in length and 100 to 300 yards wide. A large frame house on the Ferrill Ranch east of Sidney was
See reference notes at end of table.									
Texas (continued)									demolished. The house was furnished, but unoccupied. Damage was reported at the J. F. Caffey, J. G. Glasgow, W. C. Langley, M. E. Lackey, and Reginald Pinkard places. A large mobile home at the Pinkard place was overturned. Hail, up to 1 1/2 inches in diameter fell at Comanche and caused damage estimated at \$5,000. Heavy rains caused additional damage estimated at \$5,000. The storms moved from southwest to northeast.
Rowden Community, Callahan County	29	8:30 a	?	?	0	0	?	?	Hailstorm
									Hailstones one-quarter to three-quarter inch in diameter covered the ground in the Rowden Community about 20 miles southeast of Abilene. Hailstones one inch in diameter fell for three or four minutes and caused minor damage.
Haskell, Haskell County	29	3:20 p- 3:35 p	12	4	0	0	5	4	Hailstorm
									Hail damaged roofs, broke window panes and plate glass windows, broke out automobile windshields, and shredded trees and shrubs, at Haskell. The northern section of the town was hardest hit. Churches and schools suffered heavy window damage. Largest hailstones were 2 3/4 inches in diameter; one hailstone measured 1 1/2 inches in circumference. Total damage to property was estimated at \$350,000, and crop losses in the area were estimated at \$10,000.
Near Roanoke, Denton County	29	4:36 p							Funnel aloft
Memphis, Hall County	29	8:20 p- 10:20 p	3/4	3/4	0	0	?	?	Hailstorm
									Two separate hailstorms struck parts of the city of Memphis between 8:00 p.m. and 10:20 p.m. Most damage was in the northern part of the city. Hailstones up to three inches in diameter fell during the storm.
8-12 N Paducah, Cottle County	29	9:00 p- 10:30 p	?	?	0	0	?	?	Hailstorm, funnel aloft
									Hail averaging three-quarters inch in diameter fell in open country 8 to 12 miles north of Paducah. Largest hailstones were 1 3/4 inches in diameter. A funnel cloud aloft was observed in the same general area about 9:30 p.m.
Utah Western portion	14	Afternoon and evening			0	3	4	3	Wind
									Winds clocked at between 55 and 60 miles per hour and gusts to over 75 mph whipped up dust which limited visibility and was a contributing factor in two multi-car collisions near Knolls. Seven cars were damaged in these collisions and two women seriously injured. A 5 year old girl received a serious cut near the right eye requiring 6 stitches when a glass window in her home gave way under the gusty winds. The winds caused considerable damage to the North Tooele Stake Center when a large aluminum and glass wall gave way. Farm buildings, windows, trees and shrubs in many sections of western Utah were blown down and damage to power lines kept power company employees busy into the wee hours.
Near Annabella	19	Afternoon	1	13	0	1	2	0	Tornado
									A small tornado Sunday afternoon picked up an Annabella woman, carried her about 30 feet and dumped her down on her head resulting in minor injuries. The twister also damaged two trailers.
Western portion	27	Afternoon and evening			2	5	4	3	Wind and Snow
									The major spring snow storm, preceeded by strong southerly winds, swept across much of western Utah. Heavy cross winds veered an automobile into a steel and concrete abutment north of St. George, killing the driver and seriously injuring his passenger. In southern Salt Lake County the wind and snow were blamed for another fatal accident where two cars met head-on killing the driver of one and injuring the occupants of the other. The snow was blamed for at least two rollovers with minor injuries to the occupants. The heavy snow, one of the worst snowstorms ever to occur so late in the year, left motorists stranded and caused many minor accidents.
Vermont	2-3				0	0	4	0	Snow, rain, wind
									Heavy, wet snow totalled mostly 4 to 10 inches before changing to rain. Slush made roads very slippery and some vehicles were blown from the pavement by concurrent winds. Hazardous roads caused school cancellation in some communities on April 3. Precipitation totals mostly 1 to 3 inches but locally heavier in extreme south where washouts and flash flooding were most common. Many cellars flooded. Wind combined with the heavy snow on April 2 to damage trees, with falling limbs causing utility outages. Strong winds continued on the 3rd, after the precipitation ended, to cause further local damage.

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
U. S. Virgin Islands			None reported						
Virginia State	2	Aftn and Evening			0	0	5	0	Wind, Rain
			High gusty winds from 50 to 80 m.p.h. caused mostly individual minor damage over the state. Trees, limbs, signs, walls, roofs, power and telephone lines, plate glass windows, roofing and outdoor movie screens were blown over causing damage to other property such as cars, highways, and one airplane. Fire resulting from power lines downed by the wind destroyed three shops and damaged two others in Purcellville, Loudoun County. Rain and high water caused nine washouts of roads and some water pipes mainly to temporary structures in Nelson and Amherst Counties.						
Extreme Southwest	26-28				0	0	4	0	Rain, Floods
			Flooding from heavy rains occurred in Lee, Scott, Washington and Wise Counties and the city of Bristol. Two different locations on the Southern Railroad were washed out with operations delayed for several days. High water isolated about 50 families in the Stanlytown, Rye Cove, and Slant communities, and about 12 to 14 houses were flooded with the occupants being evacuated. One couple jumped from a window of their small house as water washed it away and smashed it. Flash flooding caused four primary roads and several secondary ones to be blocked by slides or washed out. One slide caused a motorist to crash but without injury. High water did considerable damage to several businesses and residences with operations having to be suspended. Electric service was interrupted at many locations but was mostly of a minor nature.						
Washington			None reported						
West Virginia Morgantown	2	12:15 p.m.			0	1	4	0	Windstorm
			A large 15-foot corner section of a privately owned dormitory roof was blown off by strong winds. A young man was cut on the hand by a falling light fixture. Several barn roofs on nearby farms were also blown off. The highest gust at Morgantown Airport was observed to be 63 miles per hour at 2 p.m. Several mobile homes were pushed from their foundations. These high winds were statewide, and many other areas of the State sustained similar damage, with roofs being the prime targets.						
Rainelle Greenbrier County	23	9:15 a.m.	?	?	0	0	4	0	Tornado
			A small tornado hit Rainelle and did considerable damage to the Meadow River Lumber Co. It also unroofed several houses which surrounded the company. A row of garages was moved 18 inches off their bases. Many trees were uprooted, one of which fell against a house. Several residents remarked that the funnel sounded like a train as it approached.						
Point Pleasant Mason County	24	1 a.m.	?	?	0	0	3	0	Tornado
			Minor residential damage was caused by a "twister" three miles south of Point Pleasant. An unoccupied two-story house was turned on its face during the peak of the storm. An unoccupied trailer was thrown against a power line pole and another was overturned. One observer said "flying tin cut power lines". Many trees were uprooted.						
North Central areas	24	All day			0	0	3	?	Rainstorm
			High water was noted in the following counties: Lewis, Braxton, Wirt, Calhoun and Gilmer. The Little Kanawha River was several feet above flood stage at Glenville, Gilmer County and at Creston, Wirt County. Many highways were closed because of the high water.						
Wisconsin State	18-19				0	0	4	0	Winds
			Strong winds during passage of deep low pressure system caused damage to trees, roofs, overhead wires, signs and pleasure boats throughout state.						
Winnebago and Outagamie Counties	22	8 p.			0	0	3	0	Wind
			Scattered wind damage in Fox River Valley from Neenah eastward to Kaukauna.						
Brown County	22	8:40 p.	5	800	0	2	5	0	Tornado
			Tornado moving northeastward causes damage in Ashwaubenon area of southwestern Green Bay. Heavy damage at Midway Motor Lodge and Namco Corp.						
Brown County	22	9:00 p.	10	800	0	1	5	0	Tornado
			Tornado moved northeastward from DePere to Allouez section in southeastern Green Bay. Church steeple toppled at DePere. Damage at lumber yard and canning company at Baird and Main Streets in Green Bay.						
Brown and Kewaunee Counties	22	9:10 p.	8	500	0	0	5	0	Tornado
			Tornado moving northeast damaged several farms and leveled Kewaunee County Fair grandstand at Luxemburg.						
Kewaunee and Door Counties	22	9:00 p.	10	500	0	2	5	0	Tornado
			Tornado moving northeast destroyed 15 barns near Casco and Rio Creek. Two persons injured when their house trailer was upended south of Forestville.						
Kewaunee and Door Counties	22	9:20 p.	10	500	0	1	5	0	Tornado
			Tornado moving northeast did extensive damage from near Algona northeastward along Lake Michigan shoreline. Among buildings destroyed was a warehouse and a church steeple.						

See reference notes at end of table.

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Wisconsin (continued)									
LaCrosse County	23	pm			0	1	3	0	Wind
			Strong winds lift experimental aircraft off runway at LaCrosse, causing plane to crash and sending operator to hospital.						
Pierce, Dunn and Barron Counties	29	7:30 p.	20	200	0	0	4	0	Tornado
			Severe thunderstorm which entered Wisconsin from Minnesota near Red Wing about 7 pm, moved northeastward through Pierce and Dunn Counties accompanied by strong winds and large hail. Tornado formed near Wheeler (30 W Eau Claire) at 7:30 p. Large garage and several farm buildings destroyed with 10 cows killed. Funnel sighted along path west of Sand Creek, and near Chetek.						
Eau Claire County	29	8:45 p.			0	0	0	0	Funnel aloft
			Pilot report 15 8 Eau Claire						
Wyoming			None reported						
Kentucky Jefferson County	1	8:00 p.	3	50	0	0	4	0	Tornado
			What apparently was a small tornado touched down about 11 miles northeast of Standiford Field, Louisville and caused intermittent damage along a path extending about 3 miles further to the northeast. Several roofs were damaged or destroyed, a barn was overturned, 100 yards of plank fence was demolished, and many trees were uprooted with some evidence of rotation.						
Ballard County	1	4:00 p.							Funnel cloud aloft
			A funnel cloud was reported at Keok, Kentucky shortly after 4:00 p.m., but there was no report of a touchdown.						
Graves County	1	4:00 p.	6	50	0	0	3	0	Tornado
			Between the approximate times of 4:00 and 4:30 p.m. a funnel visible for a distance of 2 to 3 miles and seen by about 15 persons dipped down 1/2 mile west of Symsonia; it twisted a garage on its foundation before rising and moving from northwest to southeast to cause minor damage to about 6 roofs (a few shingles off). About the same time or shortly thereafter a witness about 6 miles south of Symsonia saw a funnel touch down a barn was unroofed and there was some damage to trees; the funnel moved eastward after touching down briefly. High winds and a roaring noise were noted in both areas with and preceding the funnel. Indications are that it probably was the same funnel.						
Marshall County	1	4:45 p.			0	0	3	0	High winds, funnel cloud aloft
			In Benton a storm moving from south to north was accompanied by strong winds, lightning and heavy rain. The roof of a carport was blown about 40 feet; there was some damage to nearby utility lines and to a brick patio wall, damage of about \$2500. A witness several houses from the damaged property reported a roaring sound, the beginning of a funnel cloud moving from southwest to northeast which lasted about 10 seconds and then dissipated without touching the ground.						
McCracken County	1	4:00 p.							Hail
			Golfball-size hailstones were reported in the eastern portions of the County.						
State	1				0	2	6	?	Flooding, wind
			Heavy rains totaled from 1 1/2 to about 5 inches in 24 hours or less on the night of the 1st-2nd; were heaviest in the Central and Blue Grass sections. Probably the heaviest damage was in the Jefferson County area where new rate-of-fall records were set for time intervals of 15 minutes to 180 minutes, and for a 24-hour period (April). In this area serious flash flooding caused the most damage to occur to residential buildings and automobiles. Several thousand homes had at least flooded basements and several hundred had water in the living areas. Hundreds of automobiles sustained water damage. No official damage estimates were available but it was thought that damage in this area alone totaled at least \$1 million. Roads or streets were under water in low-lying areas of many sections of the State; a partial listing only of other counties having some water over roads or streets: Daviess; Fayette; Hardin; McCracken; Kenton; Hopkins; Ohio; Warren; Meade; Nelson; Pendleton; Bath; Morgan; Bourbon; Boyd. Among the counties reporting damage to bridges and roads were: McCracken; Ohio. High winds were responsible for damage at scattered locations, some of these being in the counties: Meade, barn demolished and mobile home overturned; Barren County, wall downed and barn unroofed; Nelson County; concrete block walls blown over; Anderson County, damage to roofs and TV antennas; Greenup County, damage to drive-in theater; Clark County, TV tower downed; Bourbon, Spott, Mason Counties, roof damage; Fayette County, 2 injured when tree fell on car, blew another off the road.						
			The Ohio along with several of its tributaries rose rapidly following these heavy rains. The Ohio rose to within several feet of bankfull along the upper reach from Greenup down-stream to Markland; to just above flood stage at Louisville; to near or several feet above flood stage from Dam 44 to Evansville; at some locations the river bordering the western counties was above flood stage from the 5th to the 15th. There was some flooding along the tributaries of the Ohio. Minor flooding occurred along the						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS ESTIMATED DAMAGE				CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
Kentucky (continued)										
State										Green, the water rising to several feet above flood stage at several points. The Rough River rose to just above flood at Dundee. In the north central, the water rose to several feet above flood stage at points along the Rolling Fork River and along Brashears Creek. In the Blue Grass the water rose to within several feet of flood at Farmers, and to just above flood at Falmouth. Indications are that damage from this later flooding - as contrasted to the flash flooding from the earlier heavy rains - was confined chiefly to the flooding of low-lying farm lands.
State	13				0	0	4	0	0	Wind, lightning
										There were widely scattered thundershowers over the State. In the early morning hours fire apparently set by lightning burned a barn and tractor in Muhlenberg County. About 2 p.m. winds blew over two concrete block walls under construction in Cumberland County. About 3 p.m. high winds destroyed a new mobile home in Pendleton County. About 4:30 p.m. high winds blew down two one-room school houses in the Greasy Creek area of Pike County. About 7 p.m., in Pike County fire apparently set by lightning destroyed a store building at Ashcamp.
State	19	p.m.			0	3	?	0	0	Wind, lightning
										Scattered thundershowers occurred, some heavy. There were three reported injuries in Oldham County about 11:15 p.m. There were numerous reports of wind damage from several dozen counties, chiefly in the western two-thirds of the State in the afternoon and evening hours. Some of the higher wind speeds attributed to various sources were: 49 mph, Bowling Green, 9 p.m.; 58 mph, Ft. Campbell, 58 mph, Ft. Knox, 10:47 p.m.; 67 mph, Bowman Field, Jefferson County, 10:50 p.m.; 47 mph, Weather Bureau Cooperative Station recorder, Glasgow, 3:41 p.m.; 65 mph, Weather Bureau Cooperative Station recorder, Somerset. There was a variety of wind damage as detailed by several dozen news reports, including about a dozen or more barns damaged or downed by wind, a half dozen or more mobile homes moved, overturned or otherwise damaged or destroyed by wind. There were a number of reports of roofs damaged, tree limbs and/or trees downed, TV antennas downed. Some of the heavier damage reported was in the counties of Oldham, Anderson, Union, Trigg, Clayson, Simpson, Todd, Barren, Metcalf, Hart, Pulaski, Adair, Washington, LaRue, Green. In Trigg County a house was destroyed by fire apparently set by lightning about 8 p.m.
Ballard County	19	5:15 p.								Funnel cloud aloft
										Public reported a funnel cloud about 15 miles west of Paducah.
Barren County	19	2:00 p.								Funnel cloud aloft
										Public reported a funnel touched down about 2 miles east of Glasgow, but no evidence of tornado damage reported.
North	20				0	0	4	0	0	Wind
										In the early morning hours high winds destroyed a mobile home and blew down two barns in Shelby County. About 9 p.m. in Henderson County high winds overturned a mobile home, heavily damaging it and contents. In Robertson County, a barn was damaged and several farm buildings were blown over.
State	23				0	0	?	?	?	Rain, wind, lightning
										There were numerous showers and thundershowers over the State. Heavy rains caused local flooding, mostly minor, in a number of low lying areas. There was scattered wind damage and lightning damage. At least two houses were destroyed by fires apparently set by lightning strikes - in Harrison and Mason Counties.
Scott County	23	5:20 a.	1/2	50	0	0	4	0	0	Tornado
										Near Great Crossing about 4 miles west of Georgetown a small tornado destroyed one house, badly damaged another; downed two barns, several smaller buildings and a number of trees. It was reported that the tornado was accompanied by a severe wind, rain, and electrical storm.
McCracken County	24	12:50 a.								Funnel cloud aloft
										A funnel cloud was reported by a worker at the Shawnee Steam Plant about 12 miles west of Paducah.
Wayne County	24	5:30 a.			0	0	4	0	0	Wind
										During a thunderstorm high winds in the Fall Creek area damaged two houses, destroyed a barn and two utility poles, damaged several barns, and downed several trees.
West	24	12:55 a.	26	?	0	13	5	0	0	Tornado
										The storm apparently first touched down in Marshall County at Calvert City, and then moved eastward through Livingston and Lyon Counties into Caldwell County. Several industrial buildings were damaged and a trailer was destroyed in Calvert City; 2 mobile homes, 2 cars and 1 barn were badly damaged or destroyed in Livingston County in the Tuka and Gum Springs area. There was wind damage to a motel and several homes in Lyon County. In Caldwell County the second story of a two-story house was removed. Additionally in Lyon and Caldwell Counties there was wind damage to at least 4 homes, 3 mobile homes and 2 cars, at least 2 mobile

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS		
Kentucky (continued)										
										homes reported destroyed. It was reported that a number of people had injuries, none serious. A news account stated that in Caldwell County several witnesses reported they did see at least one funnel cloud bouncing around the area not following any direct route, changing directions frequently and bouncing off the ground when it hit. News reports indicated a relatively narrow path through trees at one point, 3/4-mile at another point.
Union County	24	3:00 a.			0	0	4	0	0	Lightning
										A house near Sturgis was burned by a fire apparently set by a lightning strike.
Muhlenberg County	26	2:00 a.			0	0	4	0	0	Wind
										The grandstand at the Muhlenberg County Fairgrounds at Central City was demolished.
Central	27				0	2	4	0	0	Lightning, wind
										In Henry County a barn was burned by fire started in the evening by lightning. In LaRue County, two persons received minor injuries in the afternoon when struck by lightning; lightning strikes in the late afternoon damaged houses and electrical wiring and appliances. In Metcalfe County, a barn and some trees were blown down; also a porch and roof.
Jefferson	27	1:15 p.								Funnel cloud aloft
										Public reported a funnel cloud.
Northwest, central, southeast	27-28				?	?	?	?	?	Flooding
										Heavy rain fell on a large area stretching northwest to southeast across the State. Preliminary data indicate that in a period of about 24 hours or less from 2 to 6 inches fell on the greater part of this large area, the greatest totals falling in the northwest and central sections. The heaviest flooding apparently was in central Kentucky along the Rolling Fork of the Salt River. It was reported that in this area the water levels were the highest in memory, buildings being flooded that had never been flooded before. The Rolling Fork rose to about 9 feet above flood at Boston, and Brashears Creek rose to about 2 feet above flood at Taylorsville. In LaRue County a number of evacuated families in the Athertonville area lost all of their home furnishings to high water; in New Haven 25 persons were evacuated from a nursing home as the water rose 4 feet in the structure. Some of the counties in the central area having the heaviest reported damages were Marion, Washington, LaRue, Taylor, Casey. Moderate flooding developed in southeast Kentucky along the lower Cumberland on the 28th, but indications were that the damage was relatively minor; flash flooding damaged bridges and roads in Leslie County. In eastern Kentucky along the South Fork of the Kentucky River water rose to 3 to 4 feet above flood in Owsley County; it was reported that at least \$500,000 damage in the Booneville area resulted from damage to roads, bridges and crops in the greatest flood since 1957. In Eastern Kentucky the Licking and Kentucky Rivers came to within several feet of flood stage at a number of points. In Powell County the
Northwest, central, southeast	27-28									
										Red River was reported to have risen to about 2 feet above flood, the highest since 1962, causing considerable damage to crops.
										Over the entire area, many streets and roads were flooded. Major north-south highways were covered in a number of places between Louisville and Bowling Green. Flooded basements were common. Early crops, roads, and bridges were damaged by high water in many areas. Within several days along the lower Ohio River the water rose to near or several feet above flood along the lower reach; water was near or above flood bordering the western river counties. Few damage totals (even preliminary) were available. There were several deaths due to drowning during the period of the flooding. Preliminary indications were that these deaths were only indirectly associated with the flooding.
Christian County	28	9:30 a.								Funnel cloud aloft
										Public reported funnel cloud 9 miles north of Hopkinsville. Police could find no damage. At 8:23 a.m. public reported a funnel cloud aloft 10 miles northeast of Hopkinsville. No damage reported.
Northern Blue Grass	29	7:30 p.			0	0	5	?	?	Wind, flooding, hail
										The damage was confined to the extreme northern Blue Grass counties. About 6 barns were downed by wind and several were damaged. Lightning set fires which destroyed 2 barns. Several roads were under water due to heavy rains, and there was damage to some roads. In low-lying areas in Gallatin County several homes and their contents, and several cars were damaged by flash flooding. There was some hail damage.

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APRIL 1970

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					KILLED	INJURED	PROPERTY	CROPS	
Michigan (continued) State-wide	19-20	PM-AM			0	1	5		High Wind
<p>Strong, gusty winds caused widespread property damage to trees and power lines. Heaviest damage occurred in northern Michigan as winds were reported to reach 90 mph at the Escanaba Airport. Walls on a building under construction, toppled at Manistee. Four schools were closed due to power failures in central Upper Peninsula. Lansing Shoals Light at Charlevoix suffered extensive damage, portholes in concrete bunker were broken out by force of waves, water flooded its engine room, damaged electronic equipment and interrupted operations. Sign blown down by gusty wind injured one girl in Lansing.</p>									

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

- ° Includes crop damage.
- C Crop damage.
- * Miles instead of yards.
- ** Yards instead of miles.
- † 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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