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# Storm Data

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**National Oceanic and Atmospheric Administration**  
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Asheville, N. C.

1971

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

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	PROPERTY	CROPS	
<b>Alabama</b>											
Midfield, Jefferson County	2	5:15 p			0	0	3	0			Hail
Hail up to 1 3/4" in diameter, fell briefly.											
Vincennes and Harpersville, Shelby County	3	4:30 p			0	0	0	0	0	0	Wind, Hail
Scattered damage to roofs mainly from wind. Trees uprooted. Church damaged by falling tree. Hail covered ground in spots and caused some crop damage. Damage to property mainly from wind.											
Birmingham, Jefferson County	3	6:00-6:30 p			0	0	4	0			Wind, Hail
Trees uprooted damaging power lines. Hail, 1 3/4" reported by public. Damage mostly due to wind in Vestavia Hills.											
Birmingham, Jefferson County	5	5:35 p			0	0	4	0			Hail
Golf ball size hail fell briefly.											
Pleasant Grove and Cedar Grove Communities, Limestone County	15	Noon			0	0	3	5			Hail
Hundreds of acres of crops severely damaged or destroyed by hail.											
Selma, Dallas County	15	1:10p			0	0	5	3			Wind, Hail
High winds damaged several houses. Falling trees and limbs damaged several cars. Power lines down in many sections of city. Hail, 1/2" to 3/4" fell. Property damage due mainly to wind and crop damage due to hail.											
Youngs Chapel Community, Stowah County	15	1:15 p	?	?	0	0	3	0			Tornado
Tornado observed as it touched down briefly damaging a house and store and uprooting trees.											
Jefferson County	15	1:10 p			0	0	0	0	0	0	Hail
Golf ball size hail fell briefly in area 20 miles west of Birmingham.											
Gulfman, Gulfman County	16	5:30 p			0	0	0	0	0	0	Wind, Rain
Torrential rains caused flooding with water 4 feet in portions of West Town, roof of large store caved in due to heavy rain and basements flooded. Wind estimated at 100 mph damaged many houses and buildings including a school. Extensive damage to power and telephone lines by falling trees and limbs. Numerous large trees uprooted. Damage due to wind 75% and rain 25%. Some crop damage from wind and rain.											
Gadsden, Stowah County	16	5:30 p			0	0	0	0	0	0	Wind, Rain
Trailers overturned, trees uprooted, minor damage to houses and buildings, one aircraft overturned at airport and extensive damage to power and telephone lines. Several streets flooded by very heavy rains during the afternoon. 90% of damage due to wind and 10% to rain. Some crop damage from rain.											
Lacon Community, Morgan County	16	5:50 p			0	0	3	3			Hail
Golf ball size hail reported by public.											
Birmingham, Jefferson County	18	7:45 p			0	0	4	0			Hail
3/4" hail covered ground in East Birmingham.											
Greola, Mobile County	25	7:18 p			0	0	0	0	0	0	Hail, Wind
Golf ball size hail and high winds reported by Sheriff. Minor damage.											
Tuskegee, Macon County	26	6:27 p			0	0	0	0	0	0	Hail
Golf ball size hail fell briefly. Negligible damage.											
<b>Alaska</b>											
None reported											
<b>Arizona</b>											
None reported											
<b>Arkansas</b>											
Little River County	1	2:00 a. to 3:00 a.					3				Wind and Hail
Most of the county was struck by wind and hail. Roof and paint damage to homes and tree damage in Winthrop, Arinda, Ben Lomond and Ashdown (Sevier County). Some store damage in Ashdown.											
Cove - Polk County	1	2:00 a. to 3:00 a.					4				Wind
Apartment roof blown off. Trees uprooted. Also, two homes hit by lightning in same storm in Mens.											
Hartman - Johnson County	2	4:30 p.	6	400			3				Wind, Hail and Rain
A slow moving mass of thunderheads produced rain amounts up to 4 inches and a path of wind damage between Hartman and Clarksville. Roofs were damaged in Hartman with considerable tree damage.											
Richnor - Arkansas County	6	5:00 p.					4				Wind
Mobile home, grainery and Rice and Electric poles destroyed and down. Trees toppled and boats capsized in Merrisach Recreational area south of Richnor.											
Forrest City - St. Francis County	6	6:30 p.					4				Wind and Hail
<b>Arkansas (continued)</b>											
Roof torn from Hay Trucking Company with considerable water damage. 1/2 inch hail fell.											
Caddo Gap - Montgomery County	8	Afternoon					1				Lightning
Cecil Stafford, 55, killed by lightning as he mowed hay.											
Craighead County	8	3:00 p.						3	4		Wind and Hail
Crops and communities in eastern Craighead and across the county like in Mississippi County were hard hit by rain, hail and wind. Hancock, Caraway and Dixie Communities suffered damage. Trees were uprooted, farm buildings damaged and power outages occurred. Crops described as "in bad shape".											
Falestine - St. Francis County	16	2:00 p.									Funnel Cloud
Funnel cloud aloft sighted by public and observed as hook echo by National Weather Service radar at Memphis, Tennessee.											
Eastern Craighead and Northern Mississippi Counties	18	12:30 p. to 1:00 p.							5		Hail
A driving wind, rain and hail storm damaged 50 to 70 percent of the cotton, soybeans and wheat in a 50 to 60 mile east-west band from the Mississippi river in the northern half of Mississippi County westward to extreme east Craighead County. Hardest hit were 2,000 acres around Leachville and 1,000 acres at Hancock. Also hit were farm areas around Poplar Corner, Manila, New Liberty, Promised Land, Clear Lake, Hoffman and Armoral.											
Little Rock - Pulaski County	18	5:15 p.					1	3			Lightning, Wind and Rain
Heavy thunderstorm struck Little Rock damaging trees and power lines with considerable electrical activity and 1/2 to 1 inch hail. 1,000 phones out. Michael Davis, aged 14, injured by lightning while he stood in a doorway on front porch.											
Central, east-central and north east Arkansas	27	Afternoon									Windstorm
A moderate to strong wind squall, variously described as a "dust storm" and "sand storm" moved from the Mississippi river westward early in the afternoon reaching the central counties 2 or 3 hours later. Minor tree and power line damage occurred along with severely restricted visibilities were experienced from Little Rock, Benton, Malvern, Pine Bluff and Stuttgart in the south to Jonesboro, Walnut Ridge and Potomantas in the north.											
Little Rock - Pulaski County	28	2:30 p.					1				Lightning and Wind
A severe thunderstorm moved through Little Rock causing minor wind damage, considerable flooding and lightning activity. Three inches of rain fell at Adams Field in about 20 minutes time. Wind gusted to 53 mph. Radio dispatcher in County Courthouse was knocked unconscious when lightning bolt entered the teletype he was operating.											
Crossett - Ashley County	29	6:00 p.					1				Lightning
Royce Harville, 31, of North Crossett was injured when lightning struck the tree from which he was hanging a bag swing. Lightning hit the tree, traveled down the swing chain and entered Harville's body through his hands, "soldering" his watch and scorching the flesh edging the watch band. Links of the watch band were fused together. Minor flesh burns were experienced as bolt traveled down his body and out his feet. He was paralyzed below the waist for several hours.											
<b>California</b>											
None reported											
<b>Colorado</b>											
Fort Collins Area	1	9:25PM						3	3		Hail
Hailstones up to 1 1/2 inches in diameter fell 1 mile northeast and 5 miles northwest of Fort Collins at Bellvue.											
Logan County	3	4:45PM						4			Wind
Winds reported as "tornado like" destroyed a barn 3 miles north of Sterling and damaged an irrigation sprinkling system southwest of Sterling, could not be confirmed as a tornado.											
Yuma County	3	6:06PM						0	0		Tornado, Hail
A funnel cloud touched ground momentarily near Vernon, 10 miles south-southwest of Wray. Hailstones up to 1 3/4 inches diameter were reported in same area, no damage reported.											
Yuma County	3	6:31PM						0	0		Tornado
A funnel touched ground several times momentarily 3 miles north of Eckley, 15 miles west of Wray.											
Boulder County	4	9:35PM									Funnel Cloud
Reported in southeastern corner of county, near Lafayette.											
El Paso, Pueblo, Prowers, Morgan, and Weld Counties	8	1:00-2:45PM							4		Hail
Hailstones were reported to 3/4 inch diameter at Pueblo and Lamar, and to 1 1/4 inches diameter at Colorado Springs. Crops were											

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS		
Colorado (continued)										
			damaged in the western part of southern Weld County, and in Morgan County.							
Kit Carson County	9		17	*7	-	4		Hail		
			Hail caused light to severe damage to crops in an area 3 to 10 miles north of Burlington extending eastward. Golf ball size hailstones fell in several areas, and stones as large as softballs fell in area of most severe damage, about 10 miles northeast of Burlington.							
Adams and Elbert Counties	10	12:20PM						Funnel Clouds		
			Radar indication and pilot report of a funnel 25 miles east-northeast of Denver. Another reported 20 minutes later 25 miles southeast of Denver.							
Morgan County	10	1:40PM						Funnel Cloud		
			Reported 12 miles north of Fort Morgan.							
Kit Carson County	12	6:00PM			-	0		Hail		
			Golf ball size hailstones reported east of Burlington near state line.							
Pueblo County	20	Afternoon			3	4		Hail, Rain		
			Hail damaged lettuce, vegetable, and melon crops about 5 miles southeast of Pueblo. Heavy rain damaged roads 5 miles east of Pueblo.							
Morgan County	20	PM			-	-		Hail		
			Hailstones 1 1/2 inch diameter were reported in Brush area at about 5PM. At 6:23PM 1 3/4 inch diameter stones were reported 5 miles north of Brush. No damage reported.							
Adams County	25	8:20PM			0	0		Tornado		
			A funnel touched down briefly at high school football field in Brighton. No damage reported.							
Weld County	29	3:08PM			-	-		Tornadoes(2)		
			At least 2 funnels touched ground momentarily in open area about 25 miles north-northwest of Fort Morgan, near Grover Research Radar installation. No damage reported.							
Connecticut										
Statewide	8	5-12 PM			0	0	5	0	Lightning, wind	
			Violent squall line produced severe thunderstorms with strong winds and intense lightning. Numerous trees were felled downing power lines with greatest damage in extreme eastern Fairfield Co., southern New Haven and Middlesex Cos., southern Tolland Co., and in nine of the towns in Windham Co. Lightning strikes set three fires in Woodstock and one in Putnam, Windham Co. and three in Westbrook, Middlesex Co.							
Delaware										
Sussex County	26	1:30 p.m.			0	0	3	0	Wind	
			Strong winds, associated with a thunderstorm, were reported. Two farm buildings, a barn and a shed were blown down at St. John's while nearby buildings were untouched.							
Florida										
1 SE Key West	02	11:15a							Funnel aloft	
4 NE Key West	02	1:05p							Waterspout	
15 NE Key West	03	1:30p							Funnel aloft	
Venty Tamiami Apvt (W. Miami)	03	1:47p							Funnels aloft (2)	
			Two funnels aloft were sighted in the vicinity of Tamiami airport.							
10 NW Ft. Myers	03	5:04p							Funnel aloft	
Homestead	04	6:33a							Funnel aloft	
12 W Key West	04	2:23p							Waterspout	
7 SE Tampa	04	3:55p							Funnel aloft	
1 1/2 E Key West	05	12:08p							Funnel aloft	
5 NW Key West	05	4:45p							Waterspouts (2)	
23 SE Miami	06	6:24a							Funnel aloft	
6 E Palm Beach	06	8:53a							Funnel aloft	
1/2 E Hollywood 8 SE Ft. Lauderdale	07	7:10a							Funnels aloft (2)	
Pinellas Park	07	1:55p			1	4	0	0	Lightning	
			A bolt of lightning struck a pine tree then sprayed into a cluster of swimmers at a lake, killing one and injuring four others.							
South Bay Palm Beach Co.	07	daytime			1	0	0	0	Lightning	
			A 23-year old farm worker was killed by a bolt of lightning during a thunderstorm as he was leaving a field.							
Florida (continued)										
Pompano Beach 8NE Ft. Lauderdale	08	9:12a							Funnel aloft	
Sanford Seminole Co.	08	Late afternoon			0	0	0	5	Hail - 1"	
			Vegetable crops almost ready for harvesting were virtually wiped out by hail the size of quarters. Crop loss was estimated by two growers at \$58,000 while others also reported losses.							
8 W Lake City Columbia Co.	08	Late afternoon			0	2	0	0	Lightning	
			Two women were hit by lightning while working in a field. One remains in critical condition.							
29 ENE Tampa	08	6:35p			0	0	0	0	Hail - 3/4"	
			Hail 3/4" to 1". No damage reported.							
Southwest Miami	09	3:50p			1	1	0	0	Lightning	
			One student killed and one injured as lightning struck a tree they were standing under.							
E Tampa Mac Dill AFB	09	5:20p							Waterspouts (2)	
			Two waterspouts were sighted in Tampa Bay moving WNW.							
Sanford Seminole Co.	09	Late afternoon			0	0	4	0	Wind damage	
			Strong winds destroyed a \$12,000 mobile home as the winds lifted the 10 x 55 trailer a distance of about 70 ft.							
Plant City 19 E Tampa	10	1:25p			0	0	0	0	Hail - 1 3/4"	
			Hail reported by law officials and indicated on radar. No damage reported.							
Sanford 18 N Orlando	10	2:40p							Funnel aloft	
20 NW Orlando	10	4:00p							Funnel aloft	
Melbourne Brevard Co.	10	6:25p			0	0	4	0	Wind damage	
			Winds clocked at 75 mph upset a single-engine Cessna aircraft and ripped a roof off a hanger at Melbourne's Cape Kennedy Regional Airport, but did not injure anyone. Damages estimated to be \$13,000.							
Miami Springs	11	abt. 1:05p			1	2	0	0	Lightning	
			When lightning struck a tree during a lunch period at a junior high school one student was killed and two were injured.							
7 SE Palm Beach	11	2:53p							Funnel aloft	
Near Vero Beach	11	3:23p							Funnel aloft	
8 S Sebring Highlands Co.	11	3:45p	1/2	20	0	0	3	0	Tornado	
			A tornado touched down at Bartee Marine Inc., damaging a metal shed and some boats. Damage was estimated to be \$3,500.							
12 ENE Key West	11	5:10p							Waterspout	
Near Miami	11	5:45p							Funnel aloft	
10 N Key West	11	6:50p							Waterspout	
10 E Powey Rock 22 SE Miami	12	9:00a							Waterspout	
SE-S Marathon abt 45 ENE Key West	12	12:15p							Waterspouts (3)	
15 NE Ft. Lauderdale	12	3:15p							Funnel aloft	
Miami	12	daytime			0	0	3	0	Wind damage	
			At a construction site wind gusts toppled 24 x 33 ft. cement panels across a railroad siding causing an estimated \$20,000 in damage.							
Venty Key West	13	7:55a							Waterspouts (4)	
			Two sightings of several waterspouts in vicinity of Key West.							
10 N Key West	13	8:23a							Waterspout	
45 ENE Key West	13	11:30a							Waterspouts (2)	
6 N Ft. Lauderdale	13	1:45p	1/2	50	0	0	4	0	Tornado	
			A few small funnel clouds one of which intermittent-							

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS								KILLED	INJURED	PROPERTY	CROPS								
Florida (continued)											Florida (continued)																
										ly touched down, together with strong gusty winds and thunderstorms produced damage over an industrial and residential section of NW Ft. Lauderdale. Damages estimated near \$10,000 mainly confined to several over-turned trailer homes, roof damage to several warehouses and downed power lines.	Zephyrhills	20	2:15p									0	0	0	0	Hail - 1"	
Near Inverness Citrus Co.	13	afternoon			1	1	0	0		Lightning	Punta Gorda Charlotte Co.	20	nighttime							0	0	4	0	Lightning			
Pensacola	14	early morning			0	0	5	0		Lightning	10 NW Key West	21	11:22a												Waterspouts (several)		
Vcnty Key West	14	1:00p								Funnel aloft	Merritt Island Brevard Co.	22	afternoon							0	0	5	0	Wind damage			
Near Pensacola	14	2:50p								Funnel aloft	3 W Clearwater Pinellas Co.	22	12:30p												Waterspout		
Altamonte Springs 13 NW Orlando	15	3:30p			0	0	4	0		Wind damage	8 SE Ft. Lauderdale	22	2:45p												Funnel aloft		
10 W Quincy Gadsden Co.	15	3:30p			1	4	0	0		Lightning	NE Ptn of Pensacola	22	3:00p												Funnel aloft		
Sebring Highlands Co.	16	afternoon			1	0	0	0		Lightning	Miami	22	3:00p	2	200	0	0	4	0						Tornado		
Panama City	17	3:15a			0	0	4	0		Lightning	Ft. Myers	23	9:00a							0	1	0	0	Lightning			
30 W Tampa	17	6:25a								Waterspouts (3)	17 NNE Miami	23	12:10p												Funnel aloft		
5 N Daytona Beach	17	11:15a								Funnel aloft (2)	8 ESE Tampa	23	3:10p												Funnel aloft		
29 E Tampa	18	11:50a								Funnels aloft (2)	7 E Miami	23	5:40p												Funnel aloft		
29 E Tampa	18	1:15p								Funnel aloft	17 NNE Tampa	24	5:45p												Funnel aloft		
Mulberry 27 ESE Tampa	18	2:05p			0	0	4	0		Wind damage	Miami	24	afternoon							0	1	0	0	Lightning			
Ona Hardee Co.	18	4:30p	1/3	50	0	0	3	0		Tornado															A 10 year old boy was knocked unconscious while watching a thunderstorm from a window in his home when a jolt of lightning struck nearby.		
Lake Placid 49 NE Ft. Myers	18	5:15p	1	20	0	0	4	0		Tornado	Tampa Bay 16 SSW Tampa	25	10:12a												Funnel aloft		
Bunnell Flagler Co.	18	nighttime			0	0	4	0		Lightning	Mt. Dora 28 NW Orlando	25	12:07p							0	0	0	0		Hail - 1 3/4"		
Jacksonville	18	about 7:00p			0	0	4	0		Lightning	Kathleen 22 ESE Tampa	25	12:07p												Funnel aloft		
Near Key West	19	10:45a								Funnel aloft	6 NW Ft. Lauderdale	25	12:11p												Funnel aloft		
12 NE Key West	19	2:00p								Waterspout	Lake Wales 50 E Tampa	25	12:37p												Funnel aloft		
20 S St. Petersburg	20	10:30a								Waterspout	Vcnty Key Biscayne SE Miami	25	4:36p												Waterspouts (2)		
										A small tornado touched down uprooting trees and overturning one mobile home. Estimated \$1,000 damage was done.	20 NE Ft. Lauderdale	25	5:10p													Funnel aloft	
										A tornado wrecked five new mobile homes. The damage was estimated to be \$40,000.	2 S Youngstown 18 NE Panama City	26	11:59a							0	0	0	0			Hail - 1 3/4"	
										A sign on Bunnell Restaurant and Motel was destroyed when it was hit by lightning during a violent thunderstorm and plunged onto the restaurant roof. Damage was estimated at \$10,000. No one was injured.	WNW Palm Beach	27	1:00p														Funnel aloft
										A home was completely destroyed by fire caused from lightning that struck during a heavy storm that hit the Jacksonville area. The loss is estimated to be \$10,000.	10-12 W Palm Beach	27	1:18p									4	0			Lightning	
											Westbay Bay Co.	27	2:00p							0	0	4	0			Lightning	
											1 N Sanford 19 N Orlando	27	2:11p													Funnel aloft	
											Myakka River State Park	28	4:10p													Funnel aloft	
											S St. Cloud 18 S Orlando	28	abt. 5:00p	1/2	50	0	0	1	0							Tornado	
											12 NE Tampa	29	1:20p													Funnel aloft	

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<b>Florida (continued)</b>									
5 W Lakeland Polk Co.	29	2:30p							Funnel aloft
<b>Georgia</b>									
Clarke-Oconee Counties	6	8:00 p			0	0	4	0	Wind and Lightning
Trees were uprooted and several barns were destroyed or damaged along a one mile south to north path near the Clarke-Oconee County line. An automobile was crushed and a mobile home damaged by a large tree. One home was damaged by lightning.									
Northeast	9	5-6 p			0	0	4	0	Wind and Lightning
Severe thunderstorms hit several northeast Georgia counties causing wind and lightning damage. A mobile home was overturned and a barn filled with hay burned after being struck by lightning in Franklin County. Two utility buildings were destroyed by wind and a storage building burned at Cornelia, in Habersham County. Several automobile accidents were attributed to the wind and heavy rain.									
Brumswick Area	9-10	Night			0	0	4	0	Severe thunderstorm
Wind, rain, hail and lightning hit the Brunswick area during the night, causing widespread damage to trees, utility lines, roofs and other property. The main transformer at the fabrication shop of a Steel Company was burned out requiring the temporary laying-off of 500 employees. The FSS at the Brunswick Airport reported 6.10 inches of rain, wind gusts of 42 miles per hour and quarter inch hail. The Glyco NAS reported 52 mile per hour gusts.									
Statewide	14	p.m.			1	0	5	0	Severe thunderstorm
A 10-year old Little League baseball player was killed by lightning at Macon and wind, lightning and hail caused damage in several widely scattered areas. Trees were uprooted in the Macon area. At Lavonia, in northeast Georgia, several small aluminum utility buildings were scattered over the area, gym sets and a fence were damaged and lightning damaged appliances in several homes. Hail was also reported. Large trees were uprooted at Nadison and several chicken houses were damaged in Greene County, about 20 miles south of Athens. A large transformer was hit by lightning at Marietta, knocking out service for 1500 customers.									
Roberta	15	1:30 p	1	50	0	0	4	0	Tornado
Storm first touched down on the west side of town where it destroyed a small church and a mobile home. A storage shed and a home were damaged and trees and power lines were knocked down. Storm moved southeastward, causing additional damage to trees and utility lines on the south side of town.									
East Central	15	p.m.			0	0	4	0	Thunderstorms
Severe thunderstorms hit several areas during the afternoon and evening. Wind damaged a number of buildings in the Newman area, including the roofs of a school and a manufacturing plant. Lightning damaged 2 churches and marble size hail was reported at Newman and in nearby Turin. Wind uprooted trees, damaged awnings and TV antennas at Manchester. Utility lines were knocked down by falling trees causing service interruptions and small hail occurred. Local wind damage occurred north of Perry in Houston County.									
Telfair County	15	8:30 p	2	50	0	0	4	0	Tornado
Touched down in rural Telfair County destroying several farm buildings and damaging others. Large trees were uprooted or snapped off as the storm moved through a wooded area. One garage was completely swept away leaving a pick-up truck undamaged.									
Screven County	16	5:00 p			0	0	?	?	Hail
One inch hail was reported 6 miles northwest of Dover.									
McRae-Helena	21	5:30 p			0	0	4	3	Wind and Hail
Wind uprooted trees and damaged roofs and large hail stones damaged crops in the McRae-Helena area of Telfair County.									
Experiment, Spalding County	26	7:00 p			0	0	3	4	Thunderstorm
Severe thunderstorm with hail and damaging winds. Some hail as large as 1-1/2 inches in diameter. Some damage by lightning.									
Houston and Peach Counties	26-27	Night			0	0	5	6	Wind and Hail and Lightning
A severe wind and hailstorm hit the Byron area in Peach County and parts of adjoining Houston County around midnight. Wind destroyed numerous farm buildings, blew over 60 to 70 large pecan trees, damaged peaches and peach trees and wrecked several trailer homes. Wind damage was evident over an area 8 to 10 miles wide and 10 miles long. Hail caused very heavy damage to peaches, pecans, soybeans, corn and peanuts over a 1 to 2 mile wide strip. Severe thunderstorms, described by many as the worst in memory, hit several other areas on the same night. Damage to trees, roofs and utility lines was reported at Cedartown, Buchanan, Bremen, Bowdon and Carrollton, in extreme western Georgia. One home was destroyed									
<b>Georgia (continued)</b>									
									and another damaged by fire after being struck by lightning at Bremen. A house and a barn burned at Carrollton after a lightning strike. Nine head of cattle were killed by lightning at Buchanan. Wind damaged several buildings and uprooted trees at Starrsville, in Newton County and at Tignall in Wilkes County. Golf ball size hail was reported at Atco in Bartow County.
Dalton.	27	p.m.			0	1	4	3	Thunderstorms
One person was injured by lightning and numerous burned out transformers resulted in many interruptions in electrical service. Trees and roofs suffered minor wind damage and hail damaged crops.									
Wrens, Jefferson County	27	7:00 p			0	0	4	0	Windstorm
Winds caused heavy damage to a hardware store. Trees were uprooted and roofs were damaged.									
Norcross 15 NE	28	12:55 p			0	0	0	0	Funnel Cloud
Reported by pilot.									
Forsyth County	28	1:30 p			0	0	4	3	Wind and Hail
One large chicken house, full of 2-week-old chicks, was demolished and several other buildings lost their roofs. Large hail damaged gardens.									
Bleckley County	28	p.m.			0	0	0	4	Hail
Hail severely damaged cotton and other crops on at least 2 farms.									
<b>Hawaii</b>									
Honolulu, Oahu	15	1:05 p.	1/2	15	0	0	4	0	Probable Waterspout-Tornado
What is believed to have been a waterspout-tornado moved onshore from Keehi Lagoon and travelled east-northeastward tearing out sections of sheet metal and buckling the steel I beam along the wall of a large warehouse and flipping over a second large open-walled sheet metal structure in adjoining yard. (Although no funnel was seen, workers caught in the yard as the "waterspout-tornado" passed over reported roaring noises, heavy rain and material whirling upwards. Other minor damages traced out a short, straight and narrow path through the industrial area of Kalia-Kai peninsula and ending where a roof's sheet metal eave about 100 feet above street level blew off, about half a mile inland from Keehi Lagoon. With a surface low pressure trough over Oahu, Honolulu Airport, 2 miles west of the damaged area, reported overcast low clouds, light showers and southwesterly winds of 9 miles an hour.									
<b>Idaho</b>									
McCall, Valley County	1	AM	--	--	0	0	2	2	Snow
Unseasonal snow of blizzard proportions at times, over a period of several hours, was mostly melted by nightfall.									
Teton County	8	2:00 p	--	--	0	0	3	0	Lightning
Lightning struck a wire fence and killed two cows nearby. A worker some 500 ft. away was shaken up from the lightning discharge.									
Clearwater Valley, Nez Perce County and West Clearwater Co.	13	AM	25	1000 - 1500	0	0	3	4	Hail
Hail, associated locally with strong wind and heavy rain, did extensive damage to the Austrian winter pea crop. One valuable horse was killed and another injured. Strong wind ripped off a roof section valued at \$1500 at Orofino.									
Bear Lake, Bear Lake County	26	Evening & night	10	--	0	0	4	--	Wind
Strong and gusty northerly winds swept over Bear Lake whiping up 5 to 10 ft. waves that caused extensive damage to public and private boat launching facilities and shoreline developments from Fish Haven and the Boy Scout Camp southward into Utah.									
Gem and Canyon Counties	25-27	--	area wide	--	0	0	--	6	Rain
Heavy rain over a three day period accounted for estimates in excess of a million dollars in damage to the cherry crop. Most of the cherries were damaged when they split.									
<b>Illinois</b>									
Illinois City	1	C.S.T. 4:30p.	?	?	0	0	?	?	Hail
Hail size 1/2 inch diameter.									
Orangeville, near (NE Stephenson County)	1	5:15p.-5:35p.	?	Up to 1/2 mile	0	0	5	?	Tornado
Some farm buildings destroyed. House windows blown out. Cloud observed by many.									
Dakota	1	5:35p.							Funnel cloud
Davis	1	6:00p.							Funnel cloud

See reference notes at end of table.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	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							KILLED	INJURED	PROPERTY	CROPS		
Iowa (continued)										Iowa (continued)										
Dow City, Crawford County	6	7:00 p							Funnel	Epworth, Dubuque County	7	1:12 a			0	0	4	3	Windstorm	
15 Merrill, Plymouth County	6	7:00 p							Funnel	Sigourney, Keokuk County	11	1:00 a			0	0	4	4	Windstorm	
Rockwell City, Calhoun County	6	7:47 p							Funnel	Mt. Pleasant, Henry County	11	Early a. m.			0	0	4		Lightning	
Ringgold County	6	7:50 p			0	0	5	4	Windstorm	Belleveue, Jackson County	11	1:32 p			0	0	4	4	Hailstorm	
Harrison & Shelby Counties	6	8:00 p			0	0	5	5	Windstorm	Davenport, Scott County	11	3:00 p			0	0	4	4	Windstorm	
Red Oak, Montgomery County	6	8:00 p			0	0	4		Windstorm	Leon, Decatur County	12	12:30 p			0	5			Lightning	
Council Bluffs, Pottawattamie County	6	8:00 p			0	0	5		Windstorm	Indianapolis, Mahaska County	12	p. m.			0	0	4		Windstorm	
Alden, Hardin County	6	8:25 p							Funnel	Adair County	13	4:19 p							Funnel	
Rudd, Floyd County	6	8:30 p							Funnel	Thornton, Cerro Gordo County	13	7:00 p			0	0	4	5	Hailstorm	
Dow City, Crawford County	6	8:40 p							Funnel	8E Albia, Monroe County	14	12:20 p							Funnel	
Arcadia, Carroll County	6	9:00 p	2	100	0	0	4	4	Tornado	5W Fairfield, Jefferson County	14	12:30 p							Funnel	
South Palo Alto & Kossuth Counties	6	9:10 p			0	0	4	5	Windstorm and Hail	5SE Massena, Cass County	15	p. m.			0	0	4	4	Hailstorm	
Newell, Buena Vista County	6	9:15 p							Funnel	Thompson, Winnebago County	19	2:38 p			0	0	4	4	Hailstorm	
Salix, Woodbury County	6	9:22 p	1	100	0	3	4		Tornado	9E Denison, Crawford County	19	3:20 p							Funnel	
Plover, Pocahontas County	6	9:50 p							Funnel	Rake, Winnebago County	19	4:00 p			0	0	4	4	Windstorm	
Arcadia, Carroll County	6	9:50 p			0	0	4	4	Windstorm	Worth, Chickasaw, Winneshiek, Mitchell & Howard Counties	19	4:15 p			0	1	5	5	Windstorm	
Slater, Story County	6	10:15 p							Funnel	Anita, Cass County	19	4:15 p			0	0	4	4	Windstorm	
Ames, Story County	6	10:15 p			0	2	4		Windstorm	Riceville, Mitchell County	19	6:00 p							Funnels (2)	
Webster County	6	10:30 p			0	0	4	4	Windstorm	Franklin County	19	6:00 p			0	0	5	5	Windstorm	
2N Nevada, Story County	6	10:33 p							Funnel	Thor-Eagle Grove, Humboldt and Wright Counties	19	6:00 p			0	0	4	5	Hailstorm	
Poweshiek County	6	10:40 p			0	0	4		Windstorm	Steamboat Rock, Hardin County	19	6:30 p			0	0	4	5	Hailstorm	
Allamakee County	6	10:41 p							Funnels (2)	Lake Cornelia, Wright County	19	6:30 p			0	0	4	4	Hailstorm	
4SW Plainfield, Butler County	6	10:45 p							Funnel	Dallas Center, Dallas County	19	6:30 p			0	0	4	4	Windstorm	
2SW Alden, Hardin County	6	11:00 p							Funnel	Dunkerton, Black Hawk County	19	7:15 p							Funnel	
Montezuma, Poweshiek County	6	11:16 p	9	200	0	0	4		Tornado	1W Quasqueton, Buchanan County	19	7:45 p							Funnel	
Western Iowa County	6	11:45 p							Funnel	Epworth, Dubuque County	19	8:20 p							Funnel	
Greene, Butler County	6	11:45 p	3	200	0	1	5	4	Tornado	Dubuque, Dubuque County	19	8:30 p							Funnel	
Vinton, Benton County	6	11:50 p			0	0	4		Windstorm	Clayton, Delaware & Dubuque Counties	20	0:15 a			0	0	4	4	Windstorm	
Floyd and Butler Counties	6	11:55 p			0	0	4	4	Windstorm	Western Worth County	22	2:24 p							Funnel	
N of Marion, Linn County	7	0:20 a							Funnel	Cedar Rapids, Linn County	22	4:00 p							Funnel	
Anamosa, Jones County	7	0:30 a	2	1000	0	0	5	4	Windstorm	Mitchell County	24	5:00 p			0	0	4	5	Hailstorm	
NW Washington County	7	0:44 a							Funnel	Elma, Howard County	24	5:00 p			0	0	5	5	Windstorm	
Buchanan and Delaware Counties	7	1:00 a			0	0	5	4	Windstorm											
Manchester, Delaware County	7	1:00 a			0	1			Lightning											

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	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							KILLED	INJURED	PROPERTY	CROPS				
<b>Iowa (continued)</b>										<b>Kansas (continued)</b>												
6E Fredericksburg Chickasaw County	24	5:30 p							Funnel	Jewell County	4	10:35 p.	1 1/2	30-70	0	0	3	0	Tornado			
Osage, Mitchell County	24	5:30 p			0	0	4	4	Windstorm										Tornado, moving NE, was observed 4 3/4 mi. west of Northbranch.			
West Dubuque County	24	5:33 p							Funnel	Central one-third	5	2:00 - 6:30 p.			0	0	4	4	Hail, funnel aloft			
Chickasaw, Allamakee & Winneshiek Counties	24	6:00 p			0	0	5	5	Windstorm										Largest hail was about 2 inches diameter 5 miles east of Nacksville and near Great Bend. Hail was reported in Osborne, Reno, Stafford and Barton Counties. A funnel aloft was reported about 9 mi. NW of Preston at 4:55 p.			
Damage at Jackson Junction, New Hampton and Postville. Also hail (30%) and flooding (15%).										Central one-third	6	aftn, eve			0	0	4	5	Hail, wind			
Eldorado, Fayette County	24	6:00 p			1	0	5	4	Tornado										Heaviest wind damage was in McPherson and Marion Counties. Hail damage occurred in Reno, Dickinson, Kingman, Sedgwick, Harvey, McPherson, Cloud, and Smith Counties. Largest hail was 1 3/4 inches diameter 8 mi. NW of Wichita at 8:38 p. and locally in eastern McPherson County.			
West Union, Fayette County	24	6:10 p			0	1	5	5	Windstorm	Northeast one-fourth, east central	6	aftn - night			0	0	4	4	Wind, lightning, hail, 10 funnels aloft			
1NW Ossian, Winneshiek County	24	6:30 p			0	0	5		Lightning										Heaviest wind damage occurred locally in Jefferson and Leavenworth Counties. Lightning damage was reported in Lyon and Johnson Counties. Funnels aloft were as follows: 15 mi. NE of Concordia at 6:00 p. moving to NE of Morrowville later in the evening; near Waterville at 6:55 p. moving to NW of Frankfort at 7:30 p.; 2 funnels west of Linn at 6:11 p. moving over Washington at 7:00 p., with one funnel continuing to NE of Washington; between White City and Latimer at 7:50 p.; 2 funnels aloft near Frankfort at 8:25 p.; 2 funnels aloft south of Hiawatha at 8:25 p.; and near Eudora at 9:50 p. Most of these funnels were seen by a number of people; they were generally high in the air and small in size. Hail up to 1" diameter fell briefly at Hiawatha about 5:45 p.			
\$60,000 damage.																						
Winneshiek, Worth & Mitchell Counties	24	7:00 p			0	0	5	6	Hailstorm											Heaviest wind damage occurred locally in Jefferson and Leavenworth Counties. Lightning damage was reported in Lyon and Johnson Counties. Funnels aloft were as follows: 15 mi. NE of Concordia at 6:00 p. moving to NE of Morrowville later in the evening; near Waterville at 6:55 p. moving to NW of Frankfort at 7:30 p.; 2 funnels west of Linn at 6:11 p. moving over Washington at 7:00 p., with one funnel continuing to NE of Washington; between White City and Latimer at 7:50 p.; 2 funnels aloft near Frankfort at 8:25 p.; 2 funnels aloft south of Hiawatha at 8:25 p.; and near Eudora at 9:50 p. Most of these funnels were seen by a number of people; they were generally high in the air and small in size. Hail up to 1" diameter fell briefly at Hiawatha about 5:45 p.		
Wind damage 35%, losses at Manly, Riceville and large portions of northern Worth County.																						
Waverly, Bremer County	24	8:00 p			0	0	4	4	Hailstorm	Morris County	6	about 8:15 p.	2	200	0	0	5	0	Tornado			
Waverly, Bremer County	24	8:00 p							Funnel										Tornado, moving east, destroyed a farmhouse and killed several livestock about 6 mi. east of White City.			
Shell Rock, Butler County	24	8:00 p			0	0	4	4	Hailstorm													
One inch hail.																						
1N North Liberty, Johnson County	24	8:15 p							Funnel	Shawnee County	6	9:25 p.			0	0	0	0	Tornado			
Buffalo, Scott County	24	8:30 p							Funnel										Tornado touched down briefly 17 mi. SW of Topeka.			
Ryan, Delaware County	24	9:29 p			0	0	4	4	Hailstorm	Cowley, Sumner, Harper Counties	7	eve			0	0	3	5	Hail, funnel aloft			
McGregor, Clayton County	24	10:00 p			0	0	4	4	Windstorm										Heaviest hail damage was in Harper County. Hail up to 2 3/4 inches diameter fell SW of Anthony at 8:05 p. A funnel aloft was reported SW of Harper at 8:18 p.			
Plymouth County	29	5:00 p			0	0	4	4	Windstorm	Linn, Bourbon Counties	8	early a.m.			0	0	3	4	Rain			
Near James, barn destroyed.																			Heavy rains caused considerable flash flooding, soil erosion and damage to crops in southern Linn and northern Bourbon Counties. Torrential rains were reported in the Centerville area.			
Kingsley, Plymouth County	29	5:00 p			0	0	4	5	Hailstorm	Hamilton, Kearny Counties	8	about 6:00 p.			?	0	0	0	3	Hail		
Webster County	29	Night			0	0	5	5	Windstorm										Hail up to 3/4 inch diameter fell at Kendall.			
Otho, Badger and Ft. Dodge struck by storm.										Sherman County	9	2:12 - 2:20 p.	1/4 - 1/2	75	0	0	4	3	Tornado			
																			Tornado, moving east-northeast, touched down about 5 1/2 mi. NNW of Huleston.			
<b>Kansas</b>										Chase County	9	4:00 p.			0	0	5	4	Hail			
<b>Eastern portion</b>	2	4:30 a.- noon			0	0	4	4	Hail, wind, rain, lightning, 3 funnels aloft										Heaviest hail damage was in the Strong City area where stones were up to 1 3/4 inches diameter and over \$200,000 property damage was reported.			
Hail 3/4 inch diameter, or larger, occurred locally in Ottawa, Dickinson and Wyandotte Counties. Largest hail was 1 3/4 inches diameter 8 mi. NE of Minneapolis about 8:00 a.m. Wind damage occurred locally in Harvey and Wyandotte Counties. Lightning damage was reported in parts of Saline, Harvey, Shawnee, and Wyandotte Counties. Funnels aloft occurred as follows: 5 mi. north of Bronson at 9:20 a.m.; 5 mi. west of Emporia at 10:30 a.m.; and 8 mi. west of Girard at 11:08 a.m. Flash flooding occurred at Emporia and at Newton.										Northwest portion	9	aftn, eve			0	0	4	5	Hail			
																			Hail fell over parts of Sherman and Wallace Counties eastward into Gove and Sheridan Counties. Largest stones were 3 to 4 inches diameter locally in Wallace County in the evening.			
Sedgwick County	2	11:15 a.	under 1/2 mi.	under 1/8 mi.	0	0	2	0	Tornado	Central one-third	9	aftn to midnight			0	0	4	5	Hail, rain, lightning, 10 funnels aloft			
Small tornado touched down twice about 1 mi. west of Mt. Hope.																			Hail damage was reported in Barton, Ellsworth, Reno, Ottawa, Rice, and McPherson Counties. Largest stones were 1 3/4 inches diameter at Ellinwood, near Geneseo, and near Delphos. Lightning damage occurred in Harper, Ellis, Saline, Harvey, and McPherson Counties. Heavy rains caused some flash flooding on local tributaries of the lower reaches of the Sticky Hill, Saline and Solomon Rivers. Funnels aloft were reported as follows: 10 mi. NW Hutchinson at 4:55 p.; 30 south of Saline at 4:20 p.; 10 mi. north of Holyrood at 8:00 p. moving to just SW of Ellsworth at 8:25 p.; just north of Lincoln about 8:45 p.; 3 funnels aloft just north of Beverly about 8:45 p.; 6 mi. NNW of Lyons at 8:55 p.; 5 mi. south of Lincoln at 9:10 p.; and 5 mi. east of Beverly about 10:00 p.			
Ellsworth County	2	2:10 p.			?	?	0	0	3	3	Hail											
Hail up to 3/4 inch diameter was reported.																						
Southern one-third, east central	2-3	aftn. of 22nd; mite of 2-3			0	0	5	6	Hail, wind, lightning, 3 funnels aloft													
Hail occurred at scattered locations from Ford, Kiowa and Comanche Counties eastward to Bourbon and Labette Counties. Largest hail was between 3 and 4 inches diameter locally in Sumner County about 3:30 p. Funnels aloft were reported as follows: 4 mi. west of El Dorado at 12:11 p.; in the Udall vicinity about 5:00 p.; and 5 mi. NW of Arkansas City about 5:00 p.																						
Southwestern portion	3	5:00 - 11:00 p.			0	0	4	5	Hail, 2 funnels aloft	Ottawa County	9	8:30 p.	under 1/2 mi.			0	0	0	0	Tornado		
Hail up to about 1 3/4 inches diameter caused about \$500,000 damage to crops over an area 25 mi. by 6 mi. extending from near Englewood to northeast of Ashland, about 5:40 p.m. Funnels aloft were reported as follows: north of Ashland at 5:40 p.m.; and 5 mi. south of Johnson at 9:55 p.																			Tornado touched down briefly near Bennington.			
Jewell County	4	10:00 p.			?	?	0	0	3	Hail	Rice County	9	about 9:00 p.			3	1/2	0	1	4	3	Tornado
Hail up to 3/4 inch diameter damaged 1,000 acres of crops about 5 mi. west of Northbranch.																						

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED <sup>1</sup> DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
Kansas (continued)										
Ness County	9	about 9:30 p.	7	200-30	0	1	5	3		Tornado touched down south of Bushton and moved to 2 1/2 mi. SE of Bushton.
Douglas, Shawnee Counties	9-10	night of 9-10			0	0	4	3		Tornado, moving SE, was on the ground intermittently from 7 mi. NW of Ness City to Ness City. The path was 200 yards wide at first decreasing to 30 at the end.
Sheridan County	10	12:45 a.			0	0	3	4		Lightning damage was in the Lawrence area. Wind damage was reported west of Topeka about 11:00 p.m. and at scattered locations in Douglas County after midnight.
Franklin County	10	about 5:00 a.			0	0	4	0		Hail up to about 1 1/2 inch diameter fell in the Hoxie area.
Hamilton County	10	3:35 p. under MST		under narrow 1/2 mi.	0	0	0	0		Damage occurred 5 mi. south of Wellsville.
Butler, Sedgwick Counties and central, east central	10	aftn, eve			0	0	5	4		Tornado, moving east or ENE, touched down in open country near Coolidge.
Mitchell County	10	about 11:30 p.			0	0	3	3		Damaging hail fell in Rice, McPherson, Chase, Sedgwick, and Butler Counties; largest stones were near 2 inches diameter just west of Augusta about 7:00 p.m. Heavy rains caused local flash flooding in McPherson and Butler Counties. Lightning caused damage in Coffey and Saline Counties. A funnel aloft was reported 7 mi. north of Wilsley at 3:30 p.m. and another occurred 2 1/2 mi. SSW of El Dorado at 9:23 p.m.
Sherman County	12	4:15 p. (MST)			0	0	3	5		Hail up to about 3/4 inch diameter fell in the Beloit area.
Jewell County	12	10:00-11:30 p.			0	0	3	3		Hail up to 1 inch diameter damaged crops over 150 square miles in southern Sherman County.
McPherson County	13	5:25 p.	1/2	300	0	1	4	0		Hail up to 3/4 inch diameter fell 3 mi. west of Mankato at 10:12 p.m. A funnel aloft occurred 8 mi. west of Concordia at 11:05 p.m.
Rice, McPherson, Marion Counties	13	late aftn			0	0	4	5		Tornado, skipping along the ground eastward, was reported near Groveland.
Mitchell, Norton, Phillips Counties	13	eve			0	0	4	4		Heaviest losses were in southern McPherson County where thousands of acres of wheat were destroyed or damaged by hail. Largest stones were about 2 inches diameter a few miles NNE of Moundridge. Funnels aloft were reported about 5 mi. NNE of Moundridge at 5:38 p. and 15 mi. west of Emporia at 6:55 p.
Fawnee County	13-14	nite of 13-14			0	1	3	0		Hail damage was reported southwest of Hunter and across Norton County into southwestern Phillips County. Largest hail was 1 3/4 inches diameter in northwestern Norton County.
Johnson County	15	1:45 p.			0	0	3	3		A woman was injured by flying debris when lightning struck her home.
Sherman County	15	4:55 p. (MST)			0	0	0	3		Hail up to 1 3/4 inches diameter fell at Springhill.
Ford County and central one-third	19	aftn, eve			0	4	4	5		Hail up to about 1 3/4 inches diameter fell 6 mi. SSW of Goodland.
										Hail fell at scattered locations in Ford, Stafford, Rice, Rooks, and Ellsworth Counties. Largest stones were 1 3/4 inches diameter at Sterling. Wind caused damage in Rooks and Reno Counties, injuring 4 persons at Hutchinson. Heavy, local rains washed out some crops in Stafford County.
Kansas (continued)										
East central	20	2:20-3:20 p.								Two funnels aloft
Eastern one-third	22-23	aftn of 22; nite of 22-23			0	3	5	5		One funnel aloft was moving to 5 mi. east of Emporia at 2:20 p.m., 20 mi. WSW of Olathe at 3:15 p. reported 20 mi. east of Emporia at 3:20 p.; another one occurred at 3:15 p.
Graham County	22	2:25 p.		Under narrow 1/2	0	0	0	0		Damaging hail fell locally in Shawnee, Leavenworth, Wyandotte, and Johnson Counties; largest stones were about 1 3/4 inches diameter at Stanley about 3:25 p. Wind caused three injuries at Topeka; a funnel aloft occurred at that city about 6:00 p. Lightning damage was reported in Wilson, Montgomery, Labette, and Johnson Counties. Flash flooding occurred at Olathe.
Rooks, Trego Counties	22-23	eve of 22; nite of 22-23			0	0	3	5		Tornado, moving slowly eastward, touched down briefly in open country about 7 mi. south of Hill City.
Finney County	29	about 4:00 p.			0	0	3	3		Hail up to 1 inch diameter fell over an area 4 mi. by 5 mi. about 12 mi. SW of Wakeeney between 5:00 and 5:35 p. Hail up to 1 3/4 inch diameter was reported over a strip 3 mi. wide to the southwest of Palco during the night.
Edwards, Rooks, Cherokee Counties	30	early a.m.			0	0	4	0		Hail up to 3/4 inch diameter fell in and to the north of Garden City.
										Heaviest damage was just north of Kinsley where a storage building was destroyed.
SPECIAL HAIL SUMMARY										
										Hail Loss Clearing House reports indicate hail was especially severe in the following counties and on the dates listed:
										2 - Barber, Chase, Clark, Comanche, Cowley, Dickinson, Ford, Harper, Harvey, Kiowa, Labette, Meade, Ottawa, Pratt, Reno, Sedgwick, Stafford, Sumner
										3 - Clark
										4 - Reno
										5 - Russell, Stafford
										6 - Dickinson, Harper, Kingman, McPherson, Marion, Ottawa, Reno, Sedgwick, Smith, Washington
										7 - Harper, Sumner
										9 - Barton, Dickinson, Ellis, Ellsworth, Gove, Logan, Ness, Ottawa, Reno, Rice, Rush, Saline, Sherman, Thomas
										10 - Barton, Decatur, Dickinson, Ellsworth, Lyon, McPherson, Marion, Morris, Norton, Rice, Saline, Trego
										12 - Jewell, Sheridan, Sherman, Trego, Washington
										13 - Barton, Jewell, McPherson, Marion, Ness, Norton, Pawnee, Reno, Rice, Rush, Thomas, Washington
										16 - Decatur
										19 - Edwards, Ellsworth, Ford, Gray, Graham, Hodgeman, Pawnee, Reno, Rice, Rooks, Stafford, Trego
										22 - Clay, Cloud, Logan, Mitchell
										29 - Decatur, Gove, Graham, Sheridan, Thomas
Kentucky										
Hickman County	2	6:56 p.								Funnel cloud aloft
Graves and Marshall Counties	3	3:50 a.								A funnel cloud was sighted by police near Clinton, moving north-eastward about 10 m.p.h. toward Mayfield.
Warren County	6	5:00 p.			0	0	5	0		Funnel clouds were observed: south of Mayfield. 4 miles south of Benton; near Hardin; at Murray. At Murray, a night-watchman sighted a funnel as flashes of lightning illuminated it clearly moving in a northeasterly direction.
Campbell County	7	3:06 p.			0	0	4	0		High winds associated with thunderstorm activity partially unroofed a building housing a meat packing plant in the northern section of Bowling Green. Some utility lines were downed. Damage was estimated at \$200,000.
Webster County	8	3:20 p.								Fires apparently set by lightning strikes damaged a convent and 2 homes.
										Pilot and public reported a funnel cloud 26 miles south-southwest of Evansville.

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

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)									
Union County	13				0	0	?	?	Rain, wind, hail.
					Heavy rains associated with storms beginning at about 5 p.m. and 9:30 p.m. flooded a part of Highway 130 to a depth of 3 feet between Uniontown and Morganfield where traffic was halted for several hours. Some points in the vicinities of Morganfield reported unofficial totals of 3 and 4 inches. There was some roof damage due to high winds and the corn crop was damaged due to wind and rain. Trees and utility lines were downed. There was some hail damage to the corn crop.				
Blue Grass	14	p.m.			0	0	?	?	Funnel cloud aloft, wind, rain, lightning.
					High winds in the North Middletown section of Bourbon County moved a large 10-bent barn 12 feet off its foundation, causing it to collapse. Some residents stated that the afternoon storm was accompanied by a funnel cloud. At night heavy rain flooded the Paris area, causing flooding damage to houses and businesses. Lightning was reported to have killed at least 17 cattle and a thoroughbred horse in the fields. Heavy rains fell on Winchester, Clark County.				
Pike County	14	2:25 p.			0	0	5	?	Flooding
					In the Pikeville area of Pike County heavy rain between 2:25 and 5:05 p.m. brought flash flooding to downtown streets; there was water in some homes and business buildings, and basements. Also in Pike County there were washed out bridges, thoroughfares covered by water, downed trees, swollen creeks in such areas as Chiles Creek, Hurricane Creek, Ferguson Creek, Lykins Creek and Harold's Branch.				
Nelson County	14	2:15 a.							Funnel cloud aloft
					State Police reported a funnel cloud south of Bardstow moving toward the southeast.				
Hardin County	15	2:42 p.							Funnel cloud aloft
					Funnel cloud reported 10 miles south of Port Knox.				
Monroe County	15	2:00 p.			0	0	3	0	Funnel cloud aloft, wind
					High winds, rain and hail swept through the Genesee area. A barn was partially unroofed, and several trees and TV antennas were blown down. A witness reported a funnel in the area at about the same time.				
Oldham County	19	1:10 p.							Funnel cloud aloft
					A funnel cloud was reported in the Crestwood area.				
Daviess County	19	5:20 p.							Funnel cloud aloft
					A funnel cloud was reported southwest of Owensboro in southwest Daviess County.				
Jefferson County	19	1:30 p.							Funnel cloud aloft, wind
					A funnel cloud was reported near Anchorage. Several trees were uprooted by high wind.				
Ballard County	19	night			0	0	4	0	Lightning
					A barn burned, apparently set afire by a lightning strike.				
Henderson County	19	night			0	3	0	0	Lightning
					Three men and six horses were injured when struck by lightning.				
Daviess County	19	night			0	0	0	?	Wind, rain
					In the Masonville area wind and a downpour of 2 to 3 inches were reported to have heavily damaged crops.				
North Central	19				0	0	4	0	C
					In Hardin County at about 5 p.m. lightning apparently set a barn afire, destroying it. In Larue County at about 3:15 p.m. high wind downed a barn and a concrete block garage. Tobacco crops were damaged by hail. Trees and utility lines were downed by wind. In Taylor County in the afternoon a house was unroofed by high wind.				
Logan and Simpson Counties	19	night			0	0	4	0	Lightning
					There were scattered thunderstorms. In Russellville, Logan County, wind unroofed a portion of an industrial plant. In Simpson County fires apparently set by lightning destroyed one home and heavily damaged another.				
Calloway County	19	10:00 p.			0	0	4	?	Lightning, wind, rain
					Fires apparently set by lightning strikes destroyed a home and a barn. There was some wind and rain damage.				
Blue Grass	19	Afternoon			0	0	5	0	C
					Rain, flash flooding				
Kentucky (continued)									
					There were scattered heavy thunderstorms. In the Sugar Creek area, Garrard County, a 27,830-acre watershed, heavy rains between 2 and 5 p.m. E.S.T. caused flash flooding and considerable damage. There were no official rainfall measurements, however 5 inches was the estimate based on reported 4- and 6-inch wedge-type gages said to be "full and running over". One witness said it rained so hard a white fence 30 feet away could not be seen. There was excessive erosion damage; some farm land was so covered by rocks washed upon it as to be unfit for further use. The considerable damage to crops including tobacco was estimated to be at least \$55,000, and damage to real and personal property to be at least \$160,000. The high water level in this flash flood was said to be 2 feet higher than that of the flash flood occurring in the flood of 1955. The topography of the area favors a swift-moving current when a heavy rain occurs because of steep hills, narrow valleys, and a good slope to Sugar Creek. One house had water to the ceiling and another to the window sills. A car was rolled down the creek to a distance of 3 to 4 miles.				
Bullitt County	21	evening			0	0	3	0	Lightning
					Lightning struck a cedar tree on a farm in the Zoneton area, killing 18 beef cattle standing nearby.				
Fayette County	21				0	0	3	0	Rain
					Heavy rain, 4.52 inches in the period between 1:35 p.m. and 2:32 p.m. E.S.T., in the Lexington vicinity flooded numerous streets and basements. Only minor damage was reported. A statistical study has indicated that a rainfall of this intensity, about 2 1/2 inches in one hour, has a return period for the Lexington area of about 25 years. Marble-size hail was reported in one section of the city.				
Hardin County	21				0	0	4	0	Lightning
					A fire apparently started by lightning burned a home on St. John Road 11 miles from Elizabethtown. An occupant of the house was reported to have suffered a heart attack during the fire.				
Jefferson County	21	afternoon			0	5	0	0	Lightning
					Five young boys were injured, but not seriously, when they were struck by lightning on the Cherokee Park golf course in eastern Louisville.				
Jefferson County	21								Funnel clouds (2) aloft
					Two funnel clouds were reported: one in the southern part of the county; one at Garret Street in central Louisville.				
Clay County	26	6:00 p.			0	0	4	0	Lightning
					A home in the Oneida community was destroyed by fire apparently set by a lightning strike.				
Shelby County	26				0	0	2	0	Lightning
					A man leaning against a tree on the Shelbyville Golf Course was seriously injured by a lightning strike, and another man was knocked to the ground.				
Ohio County	28	1:00 p.			0	0	4	0	Lightning
					Two barns together with farm machinery and hay were destroyed by fire, apparently set afire by lightning strikes.				
Bourbon County	28	Afternoon			0	0	4	0	C
					A barn and 53 livestock in the barn were destroyed by fire apparently set by a lightning strike. Heavy rain caused some local flash flooding in low places. Heavy hail caused damage to tobacco plants on several farms, but the hail was spotty and not general.				
Fayette County	28	1:00 p.			0	0	0	0	Hail
					Egg-size hailstones fell in the city of Lexington, but no substantial damage to property or crops was reported.				
Laurel County	30	5:15 p.			1	0			Lightning
					A man was killed instantly when struck by lightning while working in a field near his home on Route 1, East Bernsstadt. The lightning tore his hat and shoes and scorched his clothing.				
Louisiana									
Richland Parish	1	7:20p			0	0	0	0	Hail
					Golf ball size hail reported at Rayville.				
Morehouse Parish	5	3:10p			0	1	4	0	Wind
					Strong thunderstorm winds hit Little Missouri community 15 miles northeast of Bastrop. Two trailer homes overturned. One fragmented. Eleven year old girl seriously injured.				
Richland Parish	8	6:35p	300-400**	25	0	0	0	0	Tornado

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	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							KILLED	INJURED	PROPERTY	CROPS			
Louisiana (continued)										Louisiana (continued)											
Washington Parish	9	4:30p			2	0	0	0	Lightning	Plaquemines Parish	27	10:30-10:34a							Funnel cloud		
									Funnel cloud sighted by public on Interstate 20 between Delhi and Rayville. Touched down for 500 to 400 yards, then lifted. No observable damage.										Sighted by public near Houma.		
Plaquemines Parish	11	3:05p							Waterspout	Calcasieu Parish	27	11:00a							Funnel cloud		
									A 72 year old man and his daughter-in-law were killed when struck by lightning while seeking shelter under tree on farm some five miles from Franklinton (Rt. 4). Man's wife and five grandchildren within several feet of victims were not injured.										Sighted two miles south of Naval Air Station, Callendar Field, Belle Chase.		
Vermilion Parish	12	12:15p							Funnel Cloud	Plaquemines Parish	28	9:03a							Funnel cloud		
									Over West Bay 20 miles south of Boothville WSO.										Sighted five miles north of WSO, Lake Charles.		
Terrebonne Parish	12	Afternoon			1	0	0	0	Lightning	Caddo Parish	28	3:13p							Funnel cloud		
									Pilot report 15 miles southwest of Lafayette.										Sighted ten miles south of Naval Air Station, Callendar Field, Belle Chase.		
Rapides Parish	16	7:00p			0	0	4	0	Lightning, wind	Calcasieu Parish	29	9:05a							Funnel cloud		
									Thibodaux youth, 17, killed when struck by lightning while crabbing. He was standing on a dam at Lake De Cade, about 12 miles west of the Bayou du Large landing.										Sighted by Civil Defense south of Shreveport.		
Washington Parish	17	2:30-4:30p			0	0	4	0	Rain, wind, hail, lightning	Terrebonne Parish	29	12:45-3:30p			0	0	4	0	Rain		
									Lightning struck 134,000-volt electric transmission line west of Alexandria, disrupting service over wide area. High winds knocked tree limbs into other lines throughout the city.	Maine											
Vermilion Parish	20	9:00a							Waterspout	Dover-Foxcroft, Garland, Exeter and Stetson	7	4 P.M.	24	6*	0	0	4	3	Hail		
									Sighted six to eight miles offshore in Vermilion Bay.										Hail, up to 1 1/2 inch size, broke glass and damaged roofs and crops. Radar indicated cloud tops in this area 47,000 ft. at 3:43 p.m.		
Vermilion Parish	21	8:12a							Funnel cloud	Fryeburg	8	4:40 p.m.	3	narrow	0	0	3	0	Wind		
									Pilot report 28 n. miles south of Lafayette.										About 100 trees felled in a narrow skipping path, but no funnel reported.		
Ouachita Parish	21	1:50p							Funnel clouds (2)	State	21				0	0	4	3	Wind, lightning, rain		
									Pilot report 6 miles east of Selman Field, Monroe.										Locally damaging thunderstorms. One in the Bridgewater area in the early morning hours damaged crops by washing and flooding rain. Shortly after noon, Farmington was hard hit. Wind felled trees, damaging homes and utility lines. Some lightning damage. Heavy local flooding, with nearly 2 inches rain reported in 10 minutes. Cars were marooned.		
East Baton Rouge Parish	21	1:55p			0	0	4	0	Lightning	Southwest	25	P.M.			0	0	4	0	Rain		
									Fire, lightning - induced, destroyed trailer home on Stumberg Lane.										Thunderstorms produced locally flooding and washing rain. Fryeburg received 3.20 inches, beginning at about 4:30 p.m.		
Madison Parish	22	2:58p	100**	25	0	0	0	3	Tornado	Stacyville	30	5:20-5:45 p.m.			0	0	5	0	Tornado		
									State Police reported small tornado touched down briefly along Interstate 20 near Tental downing numerous trees. No other damage reported.										First noted near Whetstone Bridge on East Branch Penobscot River, then eastward past Stacyville. Path mostly through forest, with damage path occasionally widening to about 1/2 mile as estimated from the air. Skipping evident as no significant damage over much of the overall path of 12 or more miles. Machine shop in Stacyville damaged. Estimated 2500 acres of forest affected.		
Rapides Parish	22	4:35-4:57p	200**	25	0	0	5	0	Tornado	North Auburn	30	P.M.			0	0	4	0	Wind, lightning		
									England AFB: Eight C-47 training aircraft and one helicopter sustained "light to heavy" damage. Tiedowns and mooring lines ripped off; two planes pushed together; three thrown together; one embedded tail fin into hangar; two moved off ramp into grass 400-500 feet away. Wind gust measured 72 knots; maximum estimated by weather detachment commander at 150 knots. Three base workers reported sighting funnel. No damage reported other areas.												Thunderstorm winds toppled trees and knocked out utility service in a section of North Auburn. Lightning killed 2 horses.
Pointe Coupee Parish	22	5:00p			0	3	3	0	Wind	Maryland	3				0	0	4	0	Lightning		
									Thunderstorm wind gusts toppled scaffolding being erected for rock festival stage near McGrea. Three youths injured.	Central Portion, including Central Eastern Shore									Several lightning strikes resulted in damaging fires in scattered locations during day.		
DeSoto Parish	23	5:38p							Funnel cloud	Prince Georges County	3	10:00-10:30 p.m.							Hail		
									Sighted by motorists at Beaton. No apparent touchdown.										Hail to 1-inch size was reported in the Andrews Air Force Base area; no damage was noted.		
Concordia Parish	23	6:30p			0	1	5	0	Wind	Gaithersburg	4	5:25 p.m.							Hail		
									Thunderstorm winds three miles west of Vidalia overturned a trailer, uprooted trees, damaged storage shed and badly damaged nine airplanes.										Hail to 1 1/2 inches in size was reported; no damage was noted.		
Catahoula Parish	24	1:45-2:00p			0	0	3	0	Funnel cloud, wind	Western and Central portions	6	Evening			0	0	4	0	Wind, hail, funnel clouds		
									Trees and a utility pole downed from thunderstorm winds near Wallace Ridge community south of Harrisonburg. Sheriff's deputies sighted funnel cloud moving southwest over Island community about eight miles northeast of Harrisonburg. No touchdown.										Thunderstorms with strong gusting winds reported up to 60 knots, crossed area. Many trees were knocked down and power service was interrupted. Probably the greatest amount of damage occurred in Cumberland area where a large barn built of brick had at least a half of its metal roof ripped off. Hail to 1/2 inch size was reported in Montgomery County. Two sightings of funnel clouds were reported, one in Montgomery County and the other in the Cumberland area but neither could be confirmed.		
Terrebonne Parish	26	1:38p							Funnel cloud	Southern Maryland	7	4:00-5:30 p.m.			0	0	4	0	Wind, Hail		

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

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	
Maryland (continued)									
Central and southern Eastern Shore	7	6:00-8:00 p.m.			0	0	4	0	Lightning, wind
Thunderstorms with high winds, heavy rain and hail, knocked down tobacco barns and many trees and interrupted power service. Damage was heaviest in a path from Nanjemoy-Grayton area southeast toward Bel Alton and Newport. One building had its portico roof blown off at Glasva.									
Southeast Baltimore County	14	1:30-2:00 p.m.			1	0	5	3	Wind, hail, rain
Thunderstorms with strong gusting winds and severe lightning moved across area during evening hours. Wind gusts to 55 knots were reported at Salisbury FAA station. Fires were set by lightning; one house was badly damaged at Cambridge while a home and a barn were destroyed in the Hebrew-Mardela area. Trees were knocked down; telephone and electrical service was interrupted in many areas. Heavy clouds of dust obstructing visibility was also reported.									
Anne Arundel County	14	2:00-3:00 p.m.			0	0	4	0	Wind, hail
A severe thunderstorm with winds reported to 85 miles per hour, hail to golf ball size and locally heavy rainfall affected in particular, the areas known as Turkey Point, Wilson Point and Bowleys Quarter, with Bowleys Quarter the hardest hit. A Civil Defense Team which inspected the area reported two houses destroyed, 33 houses and 20 trailers damaged, and at least a dozen cars damaged, also several boats were capsized or sunk. Most of the damage was caused by uprooted trees or broken limbs falling on buildings and vehicles. Many of the trees downed were as much as three feet in diameter. It was noted that the general fall of the trees was toward the southwest; this would indicate northeast winds for the storm. About 60 utility poles were snapped off and at one time up to 8000 customers were without electrical service. Hail was noted in at least one location to have accumulated in piles of 2 or 3 inches deep. One death was attributed to the storm; a 47-year old truck driver was drowned when his boat capsized in the Back River. Considerable damage was done to crops by hail and high winds. Damage was estimated between 1/3 and 1/2 million dollars.									
Western Talbot County	14	Late afternoon			0	0	4	0	Hail, wind
The thunderstorm that moved through southeastern Baltimore County continued its destructive path through Anne Arundel County. There were scattered reports of wind and hail damage. Hail to 1 inch in size was noted. Mayo, Edgewater and a small subdivision of Harness Creek were reported the hardest hit areas.									
Bittinger (near), Garrett County	14-15	Night			0	0	3	0	Lightning
The official Bittinger weather observer reported ten cows killed in lightning 2 miles southeast of his station.									
Flintstone, Allegany County	21	3:30 p.m.			1	1	0	0	Lightning
A 74-year old man was killed while operating a tractor on a farm. His nephew, who was riding the hay baler being pulled by the tractor was slightly injured when he was knocked to the ground.									
Central portion	28	mid-morning			0	1	4	0	Lightning, wind, rain
Thunderstorms with severe lightning, strong winds and locally heavy rainfall crossed area, setting houses afire, knocking out electricity and telephone service and causing numerous traffic accidents. In the Baltimore metropolitan area, 8500 houses were without electricity briefly because of lightning strikes; also 30 homes were set afire by lightning but no extensive damage was reported. A 67-year old woman was admitted to the hospital in good condition after lightning struck a tree as she was walking nearby. Wind gusts to 58 knots was reported at Andrews Air Force Base, Prince Georges County; no damage was noted.									
Massachusetts									
State	8	P.M.			0	0	5	4	Wind, lightning, hail, rain
Thundersqualls very severe in many localities across State. Wind gusts measured 70 mph at Pittsfield and 77 mph at Hamilton. Thousands of trees felled or broken, many breaking utility wires with thousands of customers out of service. Some falling trees damaged homes and autos. Lightning struck frequently, with tree and property damage. Many fires set by lightning, with houses and barns lost. In Sandwich 5 acres of brush burned. A pony was killed at Swansea. Hail up to 1 1/2 inch size at Adams and 1 inch at Holden with smaller hail in many places, with some property and crop damage. Local flooding and washing rain many areas. Some basements flooded.									
Northern	21	P.M.			0	0	5	3	Wind, lightning, rain
Locally heavy thunderstorms, with 1 to 2 inches of rain mostly falling in about 1 hour, caused washing and flooding damage. Wind and lightning damage was most serious in the									

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	
Massachusetts (continued)									
Western	25	P.M.			0	0	4	0	Wind, lightning, rain
Thunderstorms with locally damaging winds, lightning, and flooding and washing rain. Trees were felled, causing utility outages. A barn burned in Pittsfield after a lightning strike.									
Michigan									See data at end of Table.
Minnesota	4	Evening			0	1	4	3	Wind, hail and rain.
East Central									
Severe thunderstorms formed on a line from a point about 30 miles south of Minneapolis through St. Paul through Forest Lake. Thunderstorms continued to form on this line from about 5:15pm through 10:30pm. Winds caused injury to one woman from Flying glass. Straight winds damaged a barn and several outbuildings 4N of Lonsdale. Winds blew down many tree limbs causing minor damage, also several homes received minor damage across St. Paul and suburbs. Heavy rains and small hail caused basement flooding in St. Paul area. Several funnel clouds were observed during the evening. West central and southwest Minnesota also reported strong thunderstorms with some heavy rains and light hail during afternoon and evening.									
Wilmot 3S, Nobles County	6	Evening			0	0	5	4	Lightning
Lightning struck barn and burned 5000 bales of hay, 8 calves and all milking equipment. Later, shortly after midnite, lightning heavily damaged a granary 7SE of Glencoe. Local heavy rains of 2 to 3 inches caused some basement flooding and soil erosion in several areas of southwestern part of State.									
Red Wing Rochester Line Goodhue, Wabasha & Olmsted Counties	7	1:30 pm to 3:30 pm	38 to skipped along	30	0	0	3	0	Tornadoes
Thunderstorms with a small tornado moving south on a line from Red Wing-Mazeppa-Rochester touched down three times and each time less than one-half mile. Funnels were reported off and on all along this track. Damage was restricted to windows and small outbuildings. Touchdowns were near Red Wing at 1:30pm; east of Mazeppa at 2:30pm; and two funnels touched down in North Rochester at 3:16pm. Photos of the funnels on the ground at Red Wing and Rochester were published in the newspapers.									
South Central and Southeast Renville County	10	5:00pm to midnite			0	0	5	5	Exceptional heavy rains and hail
Near or record breaking amounts of precipitation for Minnesota fell from slow-moving and redeveloping thunderstorms orientated on a line from about 10 miles north of Redwood Falls east-southeast through Rochester. Heaviest rains were in south central Renville County between Bird Island and Franklin. More than 10 inches of rain fell in an area of 2-1/2 miles by 5 miles from 4:30pm to about 10:00pm and more than 6 inches in a 6 mile by 12 mile area. Many locations along the above line reported 2-5 inch rainfalls. Severe hail crop damage occurred particularly to the east of the very heavy rainfall amounts in east Renville, west Sibley and north Nicollet Counties. The heavy rains caused most damage in the Birch Coulee Creek watershed in Renville County. It washed out several bridges and roads; and in Birch Coulee State Park it washed away roadways, picnic shelter, toilets and all picnic tables and benches. The maximum depth of water in the park was in excess of 20 feet. Two trailer homes were destroyed along Birch Coulee Creek, 60 head of feeder cattle were washed downstream, 21 head drowned. All farmers in the heavy rainfall area had basement flood and soil erosion damage. (For further information see June Minnesota Climatological Data). Strong winds with some hail were reported in various areas in southeast Minnesota.									
Statewide	11	During day & Evening			0	0	0	4	Hail
Thunderstorms across the entire State caused scattered hail crop loss; from hail and wind.									
Fargo to Duluth Line	16	Evening			0	0	0	4	Hail
Strong thunderstorms caused some scattered hail damage in Mahanomen, Becker and Clay Counties. Six tornado funnels observed from the above area and east. Most severe thunderstorms reported were southeast of Moorhead.									
Clay, Becker & Wilkin Counties	17	6:00am to 8:00am			0	0	4	5	Severe Hailstorm, Wind
Large severe thunderstorm cell about 35 miles across moved east-northeast out of North Dakota about 6:00am thru the area south of Fargo to south of Bemidji. Hail and winds caused heavy crop damage through this area, and very severe in southern Clay County. The winds estimated at 70 to 80mph for 5 to 10 minutes broke many trees, branches and damaged many farm outbuildings across the area.									

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED <sup>1</sup> DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
<b>Minnesota (continued)</b>										
Kanabec County	17	6:00pm			0	0	4	3	Hail	
		Hail 1-1/2 inches in diameter reported east of Mora caused damage to buildings and crops about 6:00pm. Lightning burned barn near Hancock at 5:00am and damaged a home at 12:15am northwest of Lake Benton.								
Southern One-Third of State	18	Early Morning			0	0	5	5	Hail, Wind	
		Thunderstorms with hail and winds caused crop hail damage across the southern one-third of State. The heaviest crop hail damage was on a 30 mile long and 10 mile wide line from central Lyon County into northeastern Murray County. Strong winds destroyed one barn and badly damaged another south of Jackson about 2:30am and destroyed two mobile homes and damaged two others in Jackson and two in Fairmont. Lightning at 4:00am burned a large hog barn near East Chain. Winds also destroyed 50 foot grain elevator at Northrop at 3:30am.								
Statewide	19	Afternoon & Evening			0	0	4	5	Hail, Winds	
		Thunderstorms across the State caused crop hail damage and wind damage at various locations. Rochester Airport recorded winds to 86mph at 4:03pm. Strong winds destroyed: mobile home 1-1/2 N of Byron; two barns at 4:00pm north of Stewartville and several outbuildings. Minor damage was reported across many areas of the State. Lightning strikes caused minor damage in Shakopee, Lake Benton and Le Center areas. There were 18 reported tornado funnels and/or tornado touchdowns reported across the State, three of the touchdowns were confirmed, all the rest were reported as funnels. 3 inch diameter hail was reported 6 miles north of Detroit Lakes at 3:30pm.								
Farwell 4ENE Pope & Douglas County Border	19	5:35pm	1/4	50	0	0	0	0	Tornado	
		Tornado touched down for a short distance in a field. Dust from ground was lifted into the funnel. The tornado caused no damage (photo taken).								
Remer, 6S Cass County	19	7:45pm	2	50	0	0	2	0	Tornado	
		Small tornado moving east-northeast touched down on the west side of Thunder Lake and also on the east side causing minor damage to some cabins. The tornado made a path through the birch trees.								
Buhl 5NNE St. Louis County	19	About 9:00pm	1	120	0	0	4	0	Tornado	
		Tornado touched down in woods and left a path of downed trees one mile in length and 400 feet wide. Tornado was identified by aircraft.								
Stearns, Wright & Sherburne Counties	23	3:00pm to 4:30pm			0	0	5	4	Hail, Winds	
		Thunderstorms with hail and winds caused crop hail damage in area to south and southeast of St. Cloud. Winds of 70mph was recorded by Monticello Nuclear Power Plant. In Clear Lake at 3:30pm winds tore off the roof of the school cafeteria and 2-1/2 miles north blew down a 34' x 373' building, housing 30,000 laying hens, killing about half the hens. Winds destroyed: a mobile home at Fairhaven and also at Monticello. Minor damage to other farm outbuildings was common and many trees were blown down in the storm area from St. Cloud to Monticello. Few other isolated thunderstorms caused some crop hail damage and wind damage across the State. At Blue Earth a mobile home was blown over.								
Southern one-third of State	24	12:00pm to 5:00pm			0	8	6	6	Severe Hail and Winds	
		One of the most damaging thunderstorms in the last several years moved east-southeastward out of South Dakota just before noon at Canby; Redwood Falls to Gaylord area at 2:00pm; Le Sueur-Paribault at 3:00pm at Rochester at 4:00pm; and out of the State near La Crescent at 5:00pm. Another thunderstorm cell developed in Iowa just south of Martin County about 11:00am and moved east along the Iowa border. It moved into the Austin area at 4:00pm. The damaging part of the first thunderstorm was about 20 miles wide and hail damage extended across the entire State. The areas of severe damage was in southern Yellow Medicine, northern Lyon, southern Renville, southern Sibley, northern Nicollet and central Le Sueur Counties. Many farms had 100% crop hail loss. Crop hail losses from the other cell was in southeast Paribault, southern Freeborn and southwest Mower Counties, these losses were very severe. Winds from the thunderstorm cells from Le Sueur to Rochester were exceptionally strong. The winds were estimated at 70mph at Le Sueur and 100mph in northern Rochester; 70mph was recorded at the Rochester airport, 10 miles south of the path of the strongest cells. Eight people were injured in Rochester mainly from trees or flying debris. Property damaged from wind and hail was estimated at 2-1/2 million dollars across the state and crop hail losses estimated at 1-1/2 million. There was heavy wind damage on a 2 to 5 mile wide line from Medford-North Rochester-Eyota. Winds destroyed 8 barns and many outbuildings along this line and in Rochester there was extensive roof damage to Heritage Manor, John Marshall and Madonna Towers apartments, the IBM Building and St. Plus church all in the northwest part of								
<b>Minnesota (continued)</b>										
		the city. At one time 75% of Rochester was without power because hundreds of power lines were down from trees and tree limbs. A roof from a small apartment was blown off at Le Sueur and in Mankato the wind overturned a light aircraft.								
Southern Part of State	28	6:00pm to 7:00pm			0	0	0	4	Hail	
		Thunderstorms with widely scattered hail caused light crop hail damage mostly in counties along southern border.								
Southern Half of State	29	During day & Evening			0	1	5	5	Wind, Rain & Hail	
		Heavy rains during the morning and afternoon in Pipestone-Slayton-Windom areas of 3 to 6 inches flooded basements and caused some soil erosion. Near 6 inches of rain was recorded 6 miles southwest of Pipestone. Winds of 90mph at Forest Lake and 70mph at Mankato were estimated and 48mph recorded at Rochester. Winds at 4:30pm at Forest Lake wrecked 8 aircraft, destroyed 2 hangars, a barn and a cabin (as a tree fell on it); at Madison Lake, Blue Earth County, 4 mobile homes were rolled over and 17 others were damaged; northwest of Crystal Lake a barn was destroyed; at Vernon Center a large garage was badly damaged; at Bass Lake near Minnebago falling tent pole caused a head concussion to a boy; minor damages to buildings and power outages were common mostly from tree branches. Wind and hail crop damage was moderate to heavy in most southern counties.								
Cook 2W St. Louis County	30	5:30pm to 6:30pm	1/4	100	0	0	0	0	Tornado & Funnel Cloud	
		Small tornado uprooted trees west of Cook. Deputy Sheriff's of St. Louis County followed funnel cloud after touchdown for about 30 miles southeast to near Embarrass.								
<b>FUNNEL CLOUDS REPORTED DURING JUNE</b>										
County	Date	Time	Location & Remarks							
Dakota	4	About 9:15pm	Mpls. - St. Paul International Airport 5S							
Ramsey	4	About 9:45pm	Over Lake Phalen (St. Paul)							
Ramsey	4	About 10:00pm	Near White Bear Lake (City)							
Nabasha	7	About 2:00pm	Near Lake City							
Olmsted	7	3:10pm	North of Rochester (3 funnels)							
Pipestone	7	3:30pm	Pipestone 6 SSW (5 funnels)							
Goodhue	10	7:30pm	Red Wing 7 SSE							
Clay	11	3:20pm	Near Barnesville							
Houston	14	6:00pm	Spring Grove 8 SW							
Hubbard	16	7:56pm	Near Laporte moved east over Leech Lake							
Mahnomen	16	8:10pm	East of Mahnomen							
Aitken	16	9:12pm	Near Darrispn							
Itasca	16	9:15pm	Near Warba							
Mahnomen	16	9:40pm	Northwest of Mahnomen							
Faribault	19	2:15pm	Northeast of Elmore							
Freeborn	19	3:20pm	Manchester							
Olmsted	19	4:00pm	East of Rochester							
Fillmore	19	4:30pm	Wykoff 3 SW							
Winona	19	4:55pm	Minnesota City							
Winona	19	5:05pm	3 funnels near Winona							
Wilkin	19	5:30pm	Breckenridge							
Wilkin	19	5:30pm	East of Campbell							
Clay	19	6:45pm	Barnesville 7 E							
Yellow Medicine	19	7:00pm	Canby							
Morrison	19	8:00pm	Harding 4 N							
Cass	19	8:38pm	Remer 2 E							
Crow Wing	19	9:01pm	Pequot Lakes							
Olmsted	29	5:37pm	South of Stewartville							
Goodhue	29	6:15pm	Wacouta							
<b>Mississippi</b>										
Oktober County	1	3:05 p.- 3:35 p.			0	0	?	0	Hail	
		Hail reported at several places in County. Starville police observed 1/2 inch heavy hail at 3:05 p.m. duration about 6 minutes. Marble to near golf ball size hail observed 3:10 p.m. - 3:20 p.m. by radio station WSSD (Starville), (lat. 33.5° N, long. 88.8° W), with nearby ground covered. Newspaper on 2nd noted, "The hail was first reported in the Bluefield area west of the airport and hit Starville shortly after . . . The trees in the downtown area were stripped of some leaves. . . ." on 3rd newspaper noted, "There was some damage to residential roofing . . . A person living on Highway 12 in the western part of the city (Starville) said he had 27 holes in his roof caused by large hail stones larger than golf balls. . . . There was also some damage reported at the Starville Municipal Airport to planes." Highway Patrol observed marble size hail at 3:35 p.m. at Maben, storm moving towards E.								
Lafayette County	1	3:15 p.- 3:25 p.	1 1/2	*3/4	0	0	?	?	Hail	
		During very heavy rain at USDA Spidmentation Laboratory, in Oxford, hail fell and stripped trees and vegetation, no reports of glass damage received. Hail did not cover ground, occurred in patches, average 1 1/2 inch diameter and largest was 2 inches.								
Lee County	1	Before 4:20 p.							Funnel Cloud Aloft	
		Funnel cloud reported 15 N Tupelo (lat. 34.5° N, long. 88.7° W).								

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

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	
Mississippi (continued)									
Lee County	1	4:40 p.							Funnel Cloud Aloft
<p>Highway Patrol at 4:20 p.m. reported they had examined area and could find no evidence of touchdown.</p> <p>Public sighted funnel cloud 15 E New Albany (lat. 34.5° N, long. 88.7° W) moving towards E at 25 m.p.h. Highway Patrol at 5:10 p.m. reported examination of area showed no evidence of touchdown.</p>									
Monroe County	1	6:23 p.			0	0	?	0	Wind
<p>Storm struck in Becker community, 5 S Amory (lat. 33.9° N, long. 88.5° W). Highway Patrol at 6:23 p.m. observed several trees down, some over power lines; one house and two barns were blown down, and one wall out of a service station.</p>									
Lowndes County	1	About 8:00 p.			0	1	?	0	Wind
<p>High winds hit Highway 50 near Alabama state line 9 ENE Columbus (lat. 33.6° N, long. 88.3° W). Several trees blown down, one caused heavy damage to home; nearby 4 house trailer overturned and small girl received glass cuts; one small butane tank ruptured but no fire; another nearby overturned trailer was said to be in Alabama. In the Stevens area, some telephone lines were down.</p>									
DeSoto County	3	Early a.m.			0	0	5	0	Lightning
<p>During thunderstorm that passed through Southaven area night of 2nd and morning of 3rd, lightning struck transformer in SE corner of Hogue and Knott Supermarket. An alarm for the blaze was turned in at 1:20 a.m. CST. Damages to store and contents were estimated at \$120,000.</p>									
Marion County	4	5:23 p.	1/2	150	0	0	5	0	Tornado
<p>Newspaper noted that at Foxworth, "A small tornado crossed the West Marion campus . . . and ripped the roofing from fifty percent or more of the high school gymnasium. It also caused lesser damage to roofs on other buildings." Storm moved from WSW towards ENE; just prior to tornado; gusty surface winds, excessive lightning and thunder and marble size hail were observed; assistant fire chief and others saw one funnel that reached the ground. The glass was blown out of the windows, trees were blown down and 5 houses damaged. Damages estimated \$50,000 to \$60,000.</p>									
Rankin County	6	2:45 p.							Funnel Cloud Aloft
<p>Public reported funnel cloud 8 S of Jackson at Cleary. At 2:45 p.m. radar indicated the heaviest thunderstorm located about 10 S Jackson, movement to N about 10 m.p.h. No reports indicative of a touchdown received. At 3:14 p.m. CST Highway Patrol reported no damaging winds had been reported in the Florence or Cleary area.</p>									
Rankin County	6	About 3:00 p.			0	0	?	0	Wind
<p>Woman reported winds tore shed down and took roof and side off a barn, 9 SW Brandon, (lat. 32.2° N, long. 90.1° W).</p>									
Sunflower County	6	5:35 p.-6:35 p.			1	1	?	0	Wind
<p>Strong winds hit grounds of North Sunflower Academy, between Drew and Ruleville, (lat. 33.8° N, long. 90.6° W) about 5:35 p.m.; little damage to school building, primarily few broken windows. Woman killed and little girl received minor injuries when "a strong straight wind" blew a trailer home over on the Academy grounds; woman, age 60, was outside trailer when it fell on her. Newspaper noted, ". . . damage to several farms surrounding Drew." The Nora Smith Memorial Church was destroyed, a barn demolished, a tractor shed and a tenant house lost parts of their roofs, several trailers were damaged and overturned. Some light wind damage reported 3 1/2 NW Drew (lat. 33.8° N, long. 90.6° W) at 6:25 p.m.</p>									
Sunflower County	8	11:45 a.							Funnel Cloud Aloft
<p>Man reported funnel cloud not touching ground 15 S Clarksdale; movement to north. No reports of damage received.</p>									
Lee County	8	6:45 p.-7:00 p.			0	0	?	0	Thunderstorm, Wind
<p>Radar at 6:45 p.m. indicated a heavy thunderstorm between New Albany and Baldwyn. At 7:00 p.m. man at service station south of Baldwyn (lat. 34.5° N, long. 88.6° W) had some pieces of tin blown around during a thunderstorm. Storm was reported moving towards E at 20 m.p.h. Editor of Baldwyn Weekly News reported no evidence of a tornado.</p>									
Pike and Walthall Counties	12	6:38 p.							Funnel Cloud Aloft
<p>Man reported funnel cloud between McComb and Tylertown. No indications of touchdown damage received.</p>									
Union County	13	Between 3 p.-4 p.	6	1/2	0	0	?	?	Wind
<p>During rainy weather there was some wind damage 5 1/2 NE New Albany in Pleasant Hill and Keownville community (lat. 34.5° N, long. 88.9° W). Rather small hail fell in different places, but not over the entire area; in spots the depth was 4 inches. Woman estimated property damage was "very light" and crop damage as "considerable." She reported roof damage to 2 of 3 houses, some trees uprooted and others snapped off half way; trailer house, tractor shed and some out buildings damaged and lines down; at least one 12-acre strip of cotton was destroyed.</p>									
Mississippi (continued)									
Lee County	15	Night			0	0	?	0	Wind
<p>Newspaper noted, "A few severe thunderstorms occurred over the northeastern portion of the state Tuesday night (15th), causing minor damage near Tupelo." Tupelo Police Department reported trees and power lines down at Nettleton (lat. 34.1° N, long. 88.6° W) before 7:45 p.m. CST.</p>									
Hinds County	16	4:00 p.-4:35 p.			0	0	4	4	Wind, Hail
<p>Storm moved from NW towards SE. Wind and/or hail damage was reported to the W, S, and SE of Edwards. About 25% of the property damage was due to wind and about 95% of the crop damage was due to hail. In the Mount Moriah area, about 3 S and SE of Edwards (lat. 32.3° N, long. 90.6° W), farm operators reported the more destructive straight line winds occurred between 4:00 p.m. - 4:10 p.m. along a path 3 miles long and 150 to 200 yards wide. There was damage to 7 barns, 2 buildings, and roof damage to one house; some 25 to 30 trees were damaged with trees down in the same direction; some cotton trailers were blown around and upset; the wind damaged 90 acres of corn and blew 100 steers through a cable fence and injured them - medicine for them estimated several thousand dollars. Man said that immediately after the high winds the hail came; it fell in an area of 150 yards by 3 miles, generally covering the ground, greatest depth 4 inches, average diameter 3/4 inch to ping pong ball size, largest 2 1/2 inches; there were some dents to automobiles and windows out, in addition to damage to crops, mostly cotton. Man reported hail fell about 4:30 p.m. at Smith's Station, 4 W Edwards; hail averaging marble size partially covered ground along a 1 mile path and damaged cotton. The sheriff's office reported marble size hail fell at 5 E Edwards before 4:33 p.m. Civil Defense reported straight line wind damage in rural area of Mt. Beulah community, 2 W Edwards, at about 4:35 p.m.; wind stripped trees with the most damage to the tops.</p>									
Leflore County	17-18	Midnight			0	0	?	0	Wind
<p>During severe thunderstorm at Greenwood (lat. 33.5° N, long. 90.2° W) wind gusts reached 58 m.p.h.</p>									
Panola County	18	Between 2 p.-5:30 p.			0	0	?	?	Hail
<p>Soil Conservationist reported hail "heavily damaged cotton and truck crops in the Crowder area of the County. Truck crops almost completely ruined." Hail averaging 1/2 inch covered ground for a short time; diameter of largest stone 3/4 inch. There was a considerable amount of rain right after the hail. Very little property damage in Crowder area.</p>									
Bolivar County	18	5:13 p.-5:20 p.			0	0	?	0	Wind
<p>Highway Patrol at 5:13 p.m. at Rosedale (lat. 33.8° N, long. 91.0° W), observed many trees and limbs down from winds, heavy rain, no known injuries. Jackson radar at 5:14 p.m. indicated hook echo 3 S Gurnison moving toward SSW at 15 m.p.h.; echo dissipated at 5:20 p.m.</p>									
Humphreys County	23	1:14 p.			0	0	?	0	Hail, Wind
<p>Mississippi Highway Patrol reported golf ball size hail, trees and power lines down across highway but no injuries 5 N of Belzoni (lat. 33.2° N, long. 90.5° W).</p>									
Chickasaw County	23	1:51 p.							Funnel Cloud Aloft
<p>Public reported a funnel cloud at Egypt (lat. 33.9° N, long. 88.8° W). No reports of damage indicative of a touchdown received.</p>									
Yazoo County	23	3:10 p.			0	0	5	0	Wind
<p>At Yazoo City and nearby (lat. 32.8° N, long. 90.4° W), high winds touched down in several areas causing over \$50,000. Among the hardest hit was Yazoo Mobile Homes, Inc. where 7 new mobile homes were overturned and severely damaged, many others not overturned suffered damage; 22 campers were heavily damaged and some of these were blown through a chain link fence and scattered in an open field.</p>									
Jones County	23	About 6:00 p.			1	0	?	0	Lightning
<p>At 1 N-Soso, lightning struck behind Greasy Spoon Cafe; shattered outhouse and killed man age 23.</p>									
Hancock County	26	1:12 p.			0	0	?	0	Hail
<p>Highway Patrol reported golf ball size hail 20 WNW of Gulfport (lat. 30.5° N, long. 89.5° W).</p>									
Attala County	26	1:45 p.			0	0	?	0	Hail
<p>Public reported golf ball size hail at Ethel, 10 NE Kosciusko (lat. 33.1° N, long. 89.5° W).</p>									
Hinds County	26	7:10 p.			0	0	?	0	Wind
<p>Civil Defense reported straight line wind unroofed large barn at Windale, 10 SSW Jackson, (lat. 32.2° N, long. 90.2° W).</p>									
Montgomery and Carroll Counties	26	11:35 p.							Funnel Cloud Aloft

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

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					KILLED	INJURED	PROPERTY	CROPS	
Mississippi (continued)									
Union County	27	10:00 a.			0	0	?	0	Wind
Coahoma County	27	11:30 a.			0	0	?	0	Tornado
Quitman County	27	Before 12:14 p.			0	0	?	0	Wind
Simpson and Smith Counties	29	3:40 p.			0	0	?	0	Hail
Missouri									
West Central portion of State	2	6:45 am - 10:00 am						4	Thunderstorm Winds and Hail
East Clay County	2	7:25 am							Funnel Cloud
Holden, Johnson County	2	9:00 am					3		Tornado
Jasper County	2	11:05 am	1/2		1		2		Tornado
Springfield, Greene County	2	12:06 pm							Hail
Fort Leonard Wood, Pulaski County	2	12:50 pm - 1:37 pm							Hail
Malden, New Madrid County	2	5:30 pm							Funnel Cloud
Charleston, Mississippi County	2	6:15 pm							Funnel Cloud
Gainesville, Ozark County	6	3:30 pm					1		Lightning
Nodaway County	6	8:00 - 10:15 pm						4	Thunderstorm Winds
Missouri (continued)									
Belton, Cass County	6	10:40 pm							Hail
Grant City, Worth County	6	About 11:00 pm							Funnel Clouds
Carthage, Jasper County	8	12:40 am							Funnel Cloud
Red Oak, Lawrence County	8	12:50 am	3/4	120			4		Tornado
Stockton Lake, Cedar County	8	4:30 am					1		Lightning
Holts Summit, Callaway County	11	11:05 am					3	4	Thunderstorm Winds
Thompson, 6N, Audrain County	11	11:05 am						3	Tornado
Pomme de Terre Lake, Hickory County	12	1:30 pm					1		Lightning
Laurie, Morgan County	12	Afternoon							Funnel Clouds
Fort Leonard Wood, Pulaski County	13	4:30 pm							Hail
Little Saline Valley, Miller County	14	6:50 pm	2	50				3	Tornado
Vandalia, Audrain County	14	12:25 pm						3	Funnel Clouds
Drexel, Cass County	15	About 5:00 pm						4	Thunderstorm Winds
Kansas City, Jackson County	22	3:30 - 5:30 pm						4	Hail, Wind

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

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	
<b>Missouri (continued)</b>									
		3:55 pm	10 miles	1 inch hail	50 miles per hour				60 miles per hour winds reported west of Kansas City.
		4:09 pm		1-1/2 inch hail					in Grandview.
		4:40 pm							Winds estimated near 100 miles per hour did minor damage to power lines and trees.
Chillicothe, Livingston County	22	6:00 pm	1/2	50			4		Tornado, Hail
									Five persons reported seeing a tornado touch down 1-3/4 miles east and 1 mile south of Chillicothe and damage a farm house, some farm buildings and trees along a 1/2 mile path. After the tornado had lifted, golf ball size hail damaged 9 mobile homes along Federal Highway 36, 3 miles east of Chillicothe.
Carthage, Jasper County	28	3:00 pm					5		Thunderstorm Winds and Hail
									Five houses were extensively damaged and several other structures received various degrees of damage as high winds toppled numerous trees in the southern section of Carthage. The storm, accompanied by marble size hail and heavy rain lasted for about 90 minutes.
<b>Montana</b>									
12SSW Billings, Yellowstone County	2	3:46 p.m. - 4:30 p.m.	1	50	0	0	4	0	Tornado, funnel clouds
									Several funnel clouds were observed by FAA personnel at Billings airport. A small tornado touched down briefly on Duck Creek Road destroying a barn, shed, and 3 graineries, but missing a farm house 75 yards away. Damage estimated at \$7,000.
15NW Billings, Yellowstone County	2	1620 p.m.	?	?	0	0	0	0	Tornado
									Small tornado was observed for 8 minutes from Billings airport by FAA personnel. Little movement was apparent and no damage reported.
Near Forestgrove, Fergus County	3	6:05 p.m.	3	25	0	0	3	0	Tornado
									Small tornado destroyed 2 sheds and broke off 4 utility poles.
45E Fort Benton, Choteau County	3	5:30 p.m.	8	3*	0	0	2	4	Hail
									Hail up to 1 inch diameter damaged crops.
25W Broadus, Powder River County	3	?	?	?	0	0	?	?	Hail, heavy rain
									One inch hail and heavy rain damaged crops and flooded low lands. There were reports of as much as 5 inches of rain in 1 1/2 hours.
10-15NE Broadus, Powder River County	3	6:30 p.m.	5+	?	0	0	4	0	Tornado, funnel cloud
									A tornado destroyed an airplane and hanger plus other small structures 10NE Broadus and damaged a trailer house 15NE Broadus. Total damage estimated at \$25,000. A second funnel was observed, but remained aloft.
North of Broadus, Powder River County	3	5-7 p.m.	30	?	0	0	?	?	Large hail
									Hail up to 6 inches in diameter, but averaging 1-2 inches in diameter, was reported in the Coalwood - Olive area.
30SE Broadus, Carter County	3	6:45 p.m.	2	175	0	0	2	0	Tornado, hail
									A tornado destroyed a small cabin, hay stack, and fences 5NE Hammond. One inch hail reported in the vicinity.
15S Baker, Fallon County	10	2:30 p.m.	20	2*	0	0	3	5	Hail
									Hail 1/3 to 1-1/4 inch extensively damages pastures and crops.
75SE Billings, Big Horn County	13	1:33 p.m.							Funnel cloud
									Funnel cloud reported by pilot.
50SW Miles City, Rosebud County	16	6:40 p.m.							Funnel cloud
									Funnel cloud reported by pilot.
Southern Rosebud and Custer Counties, Northern Powder River County	16	6:00 - 6:30 a.m.	?	?	0	0	3	5	Hail
									Up to 4 inch hail destroyed grain and hay fields as well as pastures in several areas from Colstrip to Coalwood.
<b>Montana (continued)</b>									
North Central to Northeastern Montana	23	Afternoon & Evening	-	-	0	0	6	0	Hail
									Hail 1/2 inch to 4 inches in diameter accompanied by strong winds in some localities destroyed wheat fields, damaged automobiles and buildings, and injured livestock in numerous areas from Pondera County south of Cut Bank to Daniels and Roosevelt Counties in Northeastern Montana. Estimates of damage to wheat fields vary up to 1 million.
70E Havre, Phillips County	28	7:00 p.m.	2	?	0	0	0	0	Tornado
									National Weather Service observer witnessed tornado which touched down twice in open country.
<b>Nebraska</b>									
Scottsbluff Co.	1	7:30p	?	?	0	0	0	4	Hail
									Hail ranging up to 1 1/2" diameter fell 10 miles north of Scottsbluff.
Scottsbluff Co.	1	11:40p	30	-	0	0	0	0	Funnel cloud
									Funnel cloud observed moving from 4 miles west to 3 miles east of Scottsbluff, sighted again 23 miles east after midnight.
Box Butte - Morrill Cos.	2	Early am	20	Narrow	0	0	0	5	Hail
									Severe damage along county border from Goodstreak to Letan, also in small areas one mile north of Alliance and 5 miles west of Alliance. Storm occurred soon after midnight. Stones ranged from 1/4" up to 1 1/2" diameter.
Ouster County	2	8:50a - 9:30a	25	?	0	0	0	5	Hail
									Hail with stones up to 1 1/2" diameter fell along a path from 3 miles south of Anselmo and Merna area eastward to Colburg area.
Dawson-Gosper Cos.	2	9:10a	-	-	0	0	0	0	Funnel cloud
									Sighted near Johnson Lake
Valley County	2	9:30a	-	-	0	0	0	0	Funnel cloud
									Sighted in the Burwell-Ord area about 9:30a.
Adams County	2	11:15a		Short Narrow	0	0	0	0	Tornado
									Sighted 4 miles northwest of Hastings in open area.
Grant County	4	1:20p	-	-	0	0	0	0	Funnel cloud
									Sighted four miles west of Hyannis, moving northeastward.
Adams County	4	2:00p	-	-	0	0	5	5	Hail, wind
									Hail up to 1 1/2" diameter and wind gusts up to 81 MPH reported in and around Hastings. Hail heavier in northern portion of city and to the north for several miles.
Hamilton County	4	About 3:15p	6	Narrow	0	0	4	0	Tornado
									Touched down about 5 miles east southeast of Aurora, moved across the southern edge of Hampton disipated about 1 1/2 miles northeast of Hampton. Farm buildings destroyed, houses damaged.
Polk County	4	4:11p		Spot Spot	0	0	0	0	Tornado, funnel cloud
									Touched down briefly in open area 2 miles southwest of Stromsburg. A funnel cloud was sighted north of town about the same time.
Dawes County	4	Evening		Spot Spot	0	3	0	0	Lightning
									Lightning struck in ranch corral 18 miles south-east of Chadron. Three persons rendered unconscious, but all recovered.
Hall County	4	7:15p - 9:15p		Short Narrow	0	0	4	0	Tornado, funnel clouds
									Several funnel clouds sighted in the Grand Island vicinity, one of which touched ground briefly just southwest of the city.
Adams-Clay Cos.	4	7:30p	25	Narrow	0	0	4	0	Tornado
									Severely damaged 4 farmsteads 4-5 miles south of Hastings and moved northeastward to a point 3 miles west of Harvey, touching down several times enroute and damaged additional farmsteads.
York-Polk-Butler Counties	4	About 7:50 p to 9:30 p	45	Narrow	0	0	5	0	Tornado
									Moved northeastward from near Henderson past points southwest of Bradshaw, south of Benedict, southeast of Stromsburg. Touched down intermittently as it moved across York County damaging farmsteads enroute, went aloft near the southeast corner of Polk County and was last noted in David City about 9:30p where considerable building and tree damage occurred.
Hamilton County	4	8:00p - 8:15p			0	0	0	0	Funnel clouds
									Funnel clouds sighted in the Aurora-Hampton area but evidently did not touch ground.

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

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	
Nebraska (continued)									
Southern Custer Co. to Boone Co.	4	Evening	-	-	0	3	4	0	Scattered severe thunderstorms, damaging winds
Scattered areas of wind damage to grain bins, farm buildings, and trailer houses. Three persons injured, one seriously, when mobile home was destroyed by winds about 10 miles north of Summit.									
Burt County	6	1a	-	-	0	0	4	3	Hail
Hail storm centered over Oakland with damage confined mainly to roofs, windows and automobiles. Stones were mostly 3/4" diameter but a few were larger.									
Burt County	6	3a	Spot	Spot	0	0	5	0	Lightning
Stove burned in Lyons after being struck by lightning.									
Northeastern Nebraska	6	4a-6a	50	30*	0	0	4	5	Hail
Stripes of hail in southern Knox and northern portions of Antelope, Pierce and Wayne Counties. Strips generally 1 to 3 miles wide and 8 to 12 miles long. Stones generally 1/2" to 3/4", but some ranged up to 1 1/2" diameter.									
Eastern half of Nebraska	6	3:30p-10p	150	180*	0	10	5	5	Tornadoes (10) damaging winds, hail
In mid-afternoon a squall line oriented NNE to SSW developed in central Nebraska, extending from the northern portion of the State to the southern border. It resulted in numerous local severe storms of various types as the line moved eastward across the State. Individual storms moved northeastward to eastward.									
Early reports of the developing storms included funnel clouds in the Bertrand-Ogessa area at 3:30p and light hail at Aradua and O'Neill. The stormy weather gradually progressed eastward until about 10p when the last report of a funnel cloud was received from the southeastern tip of the State. The squall line was accompanied by severe thunderstorms, hail, roll clouds, and numerous funnel clouds that occasionally developed downward enough to touch the ground as tornadoes. How many times this actually occurred is impossible to accurately assess, but in no case did they remain on the ground long, generally touching down only momentarily.									
More damage occurred from the accompanying winds and hail than from the tornadoes. Several buildings were struck by lightning. Funnel clouds that apparently remained aloft were reported in the vicinities of Bertrand, Ogessa, Holdrege, Red Cloud, Madison, Pilger, Emerson, Ponca, Crete, Decatur, Fremont, Wahoo, Springfield, Waverly, Bennet, Palmyra, Dunbar, Lewiston, and Falls City.									
Funnel clouds that were reported to have touched down as tornadoes included those in or near St. Libory, Grand Island, Petersburg, Lindsay, Dwight, Lincoln (2), Beatrice, Omaha, and Offutt Air Force Base.									
Hailstones generally varied from 1/2" to 3/4" in diameter, but a number of storms included 3/4" hail and occasionally some stones that ranged up to 1 1/2" in diameter. Hail stripes were generally 1 to 3 miles wide and 8 to 12 miles long, but varied from small spots to areas, covering a half county or more.									
Property damage from the hail was limited somewhat by the majority of the stones being small, and crop damage limited by the early stage of plant development. However, at local sites where the hail was more intense there was considerable property damage and crops had to be replanted.									
Wind damage was widespread and included uprooted trees, barns and farm sheds destroyed, damage to roofs and walls of more substantial buildings, house trailers (many) overturned or demolished, plate glass windows blown in, etc.									
Injuries were principally from overturned trailers, flying glass, etc. There were no known injuries from the tornadoes. It is estimated that 50% of the total damage was due to wind, 40% to hail, and 10% or less due to tornadoes.									
Antelope Co.	7	9p	15	2*	0	0	0	4	Hail
Hail about 1/2" diameter accumulated to depth of several inches at some sites in the Orchard-Brunswick area.									
Box Butte Co.	8	4p - 5p	?	?	0	0	3	4	Hail
Severe hail storm over a small area about 12 miles southwest of Alliance. Hailstones ranged up to 3" in diameter, damaging roofs and destroying such crops that had survived hail in the same area the previous week.									
Nebraska (continued)									
Perkins Co.	9	2:30p - 5:00p	7	5*	0	0	4	5	Hail, heavy rain
Hail stones mostly 3/4" diameter, but ranged up to 3" diameter accumulated to a depth of several inches. Crops a complete loss in center of storm. Heaviest hail in Brandon vicinity but smaller areas elsewhere in county. Heavy rains ranging up to 8 inches washed out crops and roads.									
Lincoln-Logan Co.	9	4:20p - 5:20p	40	Narrow	0	0	4	3	Tornado, hail
Damaged farm site 10 miles southeast of North Platte and moved northeastward. Sighted again at Maxwell and west of Arnold. Some 1" hail stones fell in the North Platte area as the storm passed.									
Boone Co. to Stanton Co.	9	6p - 7:30p	40	600	0	0	3	3	Hail
A few large hailstones ranging from 1" to 1 3/4" diameter fell in small strips from St. Edward to Stanton. Damage was limited by small number of stones and small area covered.									
Frontier Co.	9	7:28p	-	-	0	0	0	0	Funnel cloud
Observed northwest of Curtis.									
Knox Co.	9	Evening	Short	Narrow	0	0	4	0	Tornado, funnel clouds
Funnel clouds observed in the Randolph-Bloomfield area and one touched down briefly 6 miles east of Bloomfield damaging a farm site.									
Lincoln Co.	10	6:45p	-	-	0	0	0	0	Tornado
Observed in open area between Hershey and North Platte.									
Custer Co.	10	8p	-	-	0	0	0	0	Funnel clouds
Three funnel clouds sighted near Callaway.									
Banner Co.	11	6:05p	-	-	0	0	0	0	Funnel cloud
Fifteen miles south of Scottsbluff									
Saunders Co.	12	Early Morning	5	200	0	0	4	4	Hail
Early morning storm flattened gardens and crops, damaged automobiles and house trailers northeast of Wahoo. Storm lasted about 20 minutes. Stones up to 1 1/2" diameter.									
Scottsbluff Co.	12	4:38p	-	-	0	0	0	0	Funnel cloud
Sighted 18 miles northwest of Scottsbluff.									
Cheyenne Co.	12	5p - 5:30p	?	?	0	0	3	4	Hail
Strip of heavy hail in the Gurley-Dalton area.									
Kearney Co.	12	9:15p	-	-	0	0	0	3	Funnel clouds, hail
Funnel clouds sighted in the Alma-Republican City area, but apparently did not touch down. Some crop damage was reported from hailstones ranging up to 1 1/2" diameter.									
Thayer Co.	12	10:30p	-	-	0	0	0	0	Funnel cloud
Sighted in Hebron-Byron area.									
Hall Co.	12	11:30p	-	-	0	0	0	0	Funnel cloud
Sighted 10 miles south of Grand Island.									
Kimball Co.	13	12:30p	-	-	0	0	0	0	Funnel clouds
Sighted both east and west of Sidney.									
Wayne Co.	13	12:30p - 1:30p	10	1*	0	0	0	4	Hail
Half-inch stones covered the ground to an inch depth.									
Southwestern Nebr.	13	3:30p - 6:30p	40	20*	0	0	4	5	Hail
Numerous but scattered strips of hail in northern portions of Red Willow and Furnas Counties and southern portions of Frontier and Gosper Counties. Strips varied greatly in size and formed no pattern. Stones also varied in size from a half inch diameter to nearly 3 inches. Hail accumulated to 4" depth at some sites. Roof and window damage. Crops a total loss in center of strips.									
Folk County	13	4:10p - 4:30p	-	-	0	0	0	0	Funnel clouds
Sighted in the Stromsburg-Osceola area.									
Hamilton County	13	4:30p	Short	Narrow	0	0	0	0	Tornado
Touched down briefly near Marquette. No damage.									
York and Seward Cos.	13	5p to 6p	25	1-3*	0	0	5	5	Hail
Northeastern York and northwestern Seward Counties. Severe hail in strip 1 to 2 miles wide and 18-20 miles long with lesser hail in adjacent areas. Main path was from Thayer to Gresham and then southeastward into Seward County. Most of stones 1/2" diameter but many were up to 1" to 1 1/2" size. Ground was covered from 1 to 3 inches deep and stones accumulated in drifts that remained for days. Complete loss of crops in center of hail strips.									

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	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							KILLED	INJURED	PROPERTY	CROPS			
Nebraska (continued)										New Hampshire (continued)											
Butler and Seward Cos.	13	5:05p - 5:50p	Short	Narrow	0	0	0	0	Funnel cloud, tornado											Thundershowers produced locally. Flooding and washing rain. Conway reported over 2 1/2 inches. Many large pines blew down in the Leconia area. Utility lines were knocked down.	
Southwestern Nebr.	16	7p - 9p	90	Narrow	0	0	3	3	Severe thunderstorm, tornado	New Jersey			None	reported							
Cherry County	16	6p - 8p	?	?	0	0	0	0	Severe thunderstorm, hail, funnel cloud	New Mexico											
Southwest corner Deuel County	17	Evening	5	1-2*	0	0	0	4	Hail	Eddy County	11	12:50 p.								Funnel aloft	
York County	18	7:15a	-	-	0	0	0	0	Funnel cloud	Clovis	11	2:30 p.			1	0	0	0	0	Flash flood	
Dawson and Custer Counties	21	9:30p - 10:30p	30	3-4*	0	0	3	4	Hail	San Jon	11	3:00 p.			0	0	2	0	0	Hail	
Adams County	22	3:30p - 4:15p	12	4*	0	0	0	5	Hail	Grady, Curry County	11	4:00 p.	1/2	Narrow	0	0	4	0	0	Tornado	
Southwestern Nebr.	26	Evening	-	-	0	0	5	4	Damaging Winds	Clovis, Curry County	11	Afternoon	Short	Narrow	0	0	3	0	0	Tornado	
Entire State	29	Afternoon & Evening	-	-	0	7	5	5	Severe Thunderstorms	Lovington, Lea County	11	Afternoon	Short	Narrow	0	0	2	0	0	Tornado	
Hamilton County	29	6:10p	-	-	0	0	0	0	Funnel cloud	Dolfax County	18									Funnels aloft	
Sioux County	30	1:00p	-	-	1	0	0	0	Lightning	Artesia	19	11:30 p.			0	0	2	3	0	Hail	
Sheridan County	30	Evening	?	?	0	0	3	4	Hail	New York											
Nevada			None	reported						Buffalo area	2	late p.m.					4			Rain	
New Hampshire										Niagara, Erie and Genesee Counties	4	p.m.				3	4			Lightning, wind	
Southern	8	P.M.			0	0	5	0	Wind, lightning	Lake George area, Warren County	8	11:05 a.m. to 11:15 a.m.						5			Wind
Southern	21	P.M.			0	0	4	0	Lightning, wind	Middlefield, Otsego County	8	12:30 p.m.						4			Lightning
Central	25	P.M.			0	0	4	0	Lightning, wind, rain	Schenectady, Schenectady County	8	early p.m.						4			Wind, lightning, hail

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED <sup>1</sup> DAMAGE	CHARACTER OF STORM		
					KILLED	INJURED	PROPERTY	CROPS				
New York (continued)												
										spread flooding in the city and suburbs for second occurrence in less than two weeks. Basement in each of two hospitals in Buffalo were flooded and sustained considerable water damage to elevator shafts, living quarters and storage areas. Two persons narrowly escaped drowning when car was trapped by several feet of water in flooded underpass. Street flooding also in suburbs of Depew, Cheektowaga, Amherst and Tonawanda. Woman suffered shock when home hit by lightning. Two additional homes struck by lightning, causing minor fires in each and an aggregate damage of \$1500. Power failures from lightning strikes or downed tree limbs occurred at scattered points in metropolitan area.		
Stratford, Herkimer County	13	a.m.					5			Lightning		
										Large sawmill near Fulton County line was destroyed by lightning-caused fire. Loss estimated in excess of \$100,000.		
New York City	13	afternoon					5			Rain, flooding		
										A two-hour downpour of about one inch of rain resulted in severe flooding of a major hospital in the Elmhurst section of Borough of Queens. Water to a depth of five or six feet accumulated in basement, causing damage estimated at \$300,000 to X-ray equipment, foodstuffs, laboratories and other contents. Thunderstorm activity and heavy rains elsewhere in Borough caused flooding of some highways and streets and broken limbs and power lines from gusty winds.		
Albion, Orleans County	21	a.m.					4			Lightning		
										Large barn heavily damaged by fire following strike by lightning. Loss included 3 registered pigs, valued at \$1000 each, two wagons, truck, farm machinery and a quantity of fertilizer.		
Saratoga Springs, Saratoga County	25	1:30 p.m.					6			Wind, electrical, rain		
										Large trees uprooted and broken by violent thunderstorm winds caused great damage to trailer court in Saratoga Springs. Some 20 mobile homes sustained damage from extensive to total destruction when struck by falling trees. Also crushed by trees were several automobiles and small aluminum tool sheds in trailer court. Strangely, no personal injuries reported although some mobile homes occupied at time of storm. Damage at trailer court estimated at \$200,000. Several hundred trees were also blown over or broken off at the Saratoga Spa., television booth blown off and windows broken at Saratoga Raceway. Power lines downed in many sections of city with outages affecting some 3500 customers. Property losses from wind damage plus costs of cleaning up debris in the city were estimated in excess of \$500,000. Precipitation of 2.3 inches measured officially in the city. Some flooding of streets, basements, etc. occurred.		
Oneida County	25	afternoon					4 <sup>0</sup>	C		Electrical, wind hail		
										Afternoon thunderstorms struck northern Oneida County with scattered but locally severe wind damage to trees, limbs and power lines from Camden on the west to Remsen in the northeast. Considerable wind damage reported in city of Rome. Dairy barn lost roof in village of Lee Center. Hail up to golfball size caused damage to home gardens and shrubs but effect on commercial crops was minor.		
Arcade, Wyoming County	28	a.m.					6			Rain, flooding		
										Pre-dawn thunderstorms, yielding an official measurement of 4.9 inches of rain, caused flood damage estimated at near \$1 million in this community of southwestern Wyoming County. Large industrial plant in low lying valley sustained heavy flood damage to ground floor. Streets in business district inundated by two feet of water. A tourist attraction, the steam-driven Arcade-Attica railroad had tracks washed out in several places.		
Western third	28	a.m.					5 <sup>0</sup>	C		Lightning, wind, hail		
										Early morning thunderstorms brought lightning and wind damage to numerous areas from Lake Erie to the Genesee River valley. Lightning knocked out power in communities of Medina, Albion, Batavia, Brockport, Churchville and the greater Rochester area. Lightning-caused fire resulted in \$11,000 damage to home in Lockport. Barns destroyed by lightning fires at Alexander, Pavilion and Alabama, all in Genesee County; another barn destroyed as far east as the Waterloo-Seneca Falls area of Seneca County. Minor fires occurred in two homes in Orleans County. Hail damage to fruit and truck crops reported in Orleans and Monroe Counties but losses apparently light. In Allegany County four dairy barns were destroyed or heavily damaged by lightning fires. Winds overturned and sank some 17 small boats on Rushford Lake.		
Erie to Monroe Counties	29	a.m.					4			Lightning, wind		
										Severe thunderstorms ranged over four-county area along Great Lakes from the Buffalo area to Rochester and Suburbs. Lightning bolt caused fire in giraffe house and adjoining animal hospital at Buffalo zoo; damage estimated at \$5,000 but animals sustained no injuries. Wind and lightning downed trees, limbs and power lines in scattered areas as far east as Webster, Monroe County. Damage by lightning at water plant in Clarence, Erie County, resulted in temporary loss of water supply to the community.		
North Carolina												
Avery County	3	2pm						4	0	Hail		
										Considerable damage to roofs and windows over an 8 sq. mi. area.		
Alleghany & Jackson Counties	7	Aftn						4	0	Electrical, wind, hail		
										Two widely separated thunderstorms. Home-grocery store combination severely damaged by lightning near Sparta. Scattered wind damage and some flash-flooding of low areas in Sylva.		
Dare County	7	Aftn					0	3	5	0	Electrical	
										Lightning started a forest fire in Stumpy Point area which burned for several days. 7000 acres woodland burned over. Three firemen injured; tractor and airplane used in fire-fighting damaged.		
Alexander, Cleveland, Wilkes Counties	8	1-5pm						4	0	Electrical		
										Lightning killed five cattle in Wilkes County; set fire to a barn and two homes in separate locations; struck and damaged a church steeple.		
Carteret County, Mecklenburg County	9	Aftn & evening					0	1	4	0	Electrical, wind	
										Lightning struck several places in the Morhead City area at different times between 2pm and midnight. Severely damaged one home, rendered woman inhabitant unconscious. Damaged appliances other homes. High winds broke tree limbs & power lines Charlotte area.		
Swain County	11	3pm							0	4	Hail	
										Scattered damage to corn and vegetable crops.		
Caldwell, Catawba & Rowan Counties	14	7-10pm					0	5	6	0	Electrical, wind, rain	
										Lightning caused fires in homes at Lenoir and Salisbury; burned large chemical plant at Hickory, five firemen injured. Wind broke trees, damaged home in Caldwell County. Some flash-flooding.		
New Hanover County	15	2-2:30pm						4	0	Electrical, rain, hail		
										Severe thunderstorm at Wrightsville Beach. Lightning struck three transformers; power & telephones knocked out. Wind damaged roofs, overturned shed; some flooding of storm sewers. Woman injured in weather-related auto accident.		
Southern Mountains, Piedmont	15	3-7pm					0	3	5	5	Wind, rain, hail	
										Heavy thunderstorms southern Mountains and adjoining Piedmont. Wind estimated to around 100 mph damaged homes, demolished mobile homes, outbuildings & aircraft; blew over a tractor-trailer on highway. Two persons injured when mobile home demolished, a third struck by falling tree. Heavy hail hit several areas, some egg size; accumulation to 3 inches deep reported one area. Cotton & corn crops hit. Power and communications disrupted several areas.		
Southern Counties	16	Aftn & evening						0	5	6	6	Wind, hail, electrical
										Winds of destructive force began to show up in eastern slopes of Mountains around 4 pm and traveled east-southeastward to the coast by around 10 pm. Some of the heaviest damage, in Cabarrus and Stanly Counties, visited by meteorologist who reports straight-line winds, probably reaching about 100 mph. In that area several mobile homes demolished; one injury in mobile home, two when heavy sign blew down. Aircraft hangar and a service station unroofed; fire house damaged by wind. Two mobile homes and the walls of a factory under construction blown down in Anson County. Two garages damaged in Richmond County. Warehouse and tobacco barns destroyed, other buildings blown about, in Robeson County; two persons injured when auto collided with shack blown onto highway. Winds to 35 mph reported at Wilmington Airport as storm reached that area. All along the path there were numerous reports of damaging hail, in several cases ranging from golf ball to baseball size. Hail reported in almost every county from Cabarrus and Stanly to Pender and New Hanover. Heavy hail vicinity of Wilmington Airport, with some stones to baseball size. Heavy crop damage some areas all along path, with heaviest damage to tobacco, corn and soybeans in Bladen County, and Robeson County.		
Scotland County	17	4:10pm							0	4	Hail	
										Tobacco, cotton and corn damaged over a 20 sq. mi. area.		
Buncombe County	19	4-6pm					0	1	4	0	Electrical, rain	
										Lightning struck an unoccupied house, doing considerable damage. Heavy rains halted traffic on three highways near Asheville, and flooded storm drains. Three youths swept through a culvert by flood waters, one injured.		
Pasquotank County	20	2pm							0	0	Funnel Cloud	
										Sighted from Elizabeth City FAA Airport; about 5 mi. NE of station.		
Rowan, Surry Counties	20	2-3pm							4	0	Electrical	
										Lightning damaged homes in two areas.		
Craven, Cumberland, Durham, Haywood, and Wayne Counties	21	3-6pm							4	4	Hail, rain	
										Widespread occurrences of light to moderate hail damage to tobacco		

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
<b>North Carolina (continued)</b>										
									and corn crops. Some flash-flooding in Maggie Valley.	
Cabarrus, Forsyth, Iredell, Gaston, Mecklenburg, Swain, Union, Warren, Wilkes Counties	21-22	6pm-1am					5	4	Electrical, hail, wind, rain	
									Widespread thunderstorms from late afternoon continuing through midnight, with scattered areas of damage from lightning, hail, wind and heavy rain. Lightning fires damaged three homes; lightning and wind disrupted power and telephone service. Wind blew out plate glass. Hail damaged crops several areas. Much flooding of low streets and basements, especially Gaston, Mecklenburg and Wilkes.	
Lenoir, Richmond, Robeson, Rowan, Rutherford Counties	22	3-9pm			0	3	4	4	Electrical, hail, wind	
									Three young children struck by lightning inside automobile near Hamlet. One critically injured. Doors knocked off car, children received burns. Tobacco crop damaged by hail, Lenoir & Robeson Counties. Minor wind damage several areas.	
Johnston, Martin, Mecklenburg, Nash Counties	23	4-9pm						4	5	Electrical, hail, wind, rain
										Widely separated thunderstorms caused a variety of damage. Lightning caused extensive damage to house in Charlotte; flash-flooding of low streets. Hail damaged tobacco over two areas totaling 20 sq. mi. Wind blew down trees, demolished tobacco harvester.
Beaufort, Bladen, Craven, Lenoir, Martin, Richmond, Robeson, Scotland, Wayne Counties	26	2-8pm			0	4	5	4		Wind, hail, electrical
										Power outages several areas due to lightning and wind. Hail damaged tobacco at least three areas. Wind blew down trees and signs, upset mobile homes; blew down 185 foot tower at amusement center, crushing three autos. Four persons in autos slightly injured.
Clay, Swain and Union Counties	27	2-6pm			0	1	4	4		Electrical, hail
										Youth struck by lightning in Waxhaw while doing electrical work. Hail damaged crops two widely separated areas.
Buncombe, Durham, Franklin, Guilford, Orange Counties	28	6pm-mid.						4	5	Electrical, hail, wind
										Seven cattle killed by lightning while taking shelter under trees. Several fires set, home and barn destroyed. Trees blown down, home damaged by wind. Hail damaged crops, especially tobacco.
Buncombe, Caswell, Durham, Edgecombe, Forsyth, Guilford, Johnston, Lincoln, Martin, Nash, Rockingham, Wake and Wilson Counties	29	Aftn & evening						5	5	Electrical, hail, wind, rain
										Heavy thunderstorms over a wide area caused a variety of damage. Gusts 60-70 mph reported at Raleigh-Durham and Winston-Salem airports. At least three aircraft destroyed. Trees blown down, farm outbuildings demolished several areas. Lightning caused several minor fires; damaged appliances and interrupted electrical service. Hail damaged tobacco, corn and other crops in several widely separated areas.
Gaston County	30	Night			0	1	4	0		Electrical
										Home struck by lightning and destroyed by fire; youth in home slightly burned.
<b>North Dakota</b>										
Dickinson, 5N	2	6:41 p.								Hail
										Public reported 3/4 inch hail.
Glen Ullin, 3.5NE	4	2:30 p.	0.5	25	0	0				Tornado
										Tornado moving southeastward caused heavy damage to Albert Duppong farm. 2x4 lumber driven through side of house and two feet into ground. Tornado struck during heavy rain.
Jamestown, 7NW	4	8:15 p.	0.8	90	0	0	0	0	3	Tornado
										Tornado touched down on August Nannerga farm destroying several buildings. Tornado then moved northwestward 0.5 mile before veering 0.3 mile to northeast. Tornado struck during rainstorm.
West central, southwest, central	4									Funnel clouds
										Pilot reported funnel cloud 10NE Dickinson at 1:20 p. Public reported funnel cloud SSW Dickinson at 2:05 p. Public reported 4 funnel clouds 50W Garrison at 2:45 p. Sheriff reported funnel cloud at Steels at 6:05 p.
Lidgerwood	6	3:55 p.								Hail
										3/4 inch hail was reported.
Norma	6	4:50 p.								Funnel cloud
										Funnel cloud reported by state police and public.
Watford City, 24SW	9	3:02 p.								Funnel cloud
										Funnel first sighted 14 miles south and 20 miles west of Watford City by highway patrol. At 3:10 p. funnel was reported at 10 miles south of Watford City.
Zeeland	9	4:05 p.	0.1	10	0	0	0	3		Tornado
										Tornado touched down briefly hurling baseball park grandstand into side of house. Residents saw funnel clouds approach. Damage estimated at \$4000.
Valley City, 10NW	9	6:25 p.								Funnel cloud
										Funnel cloud moving northeast.
Dunn Center	9									Funnel cloud
<b>North Dakota (continued)</b>										
Northeast	10	About 5:45 p.	10	?	0	0				Hail
										Northwest-southeast strip of hail extended from 6 miles north of Fordville to east of Fordville. Most hail about 1/2 inch diameter, but some golf ball size. Golf ball size hail reported to cover ground at Walhalla Country Club. Hail up to 1 1/2 inch in diameter was reported northwest of Grand Forks AFB.
Pettibone	11	1:39 p.								Funnel cloud
										Pilot reported funnel cloud.
Dickinson, 30SSE	14	7:35 p.								Funnel cloud
										Pilot reported funnel cloud.
Devils Lake, 20WSW	15	2:05 p.								Funnel cloud
										Funnel cloud 20 miles west-southwest of Devils Lake at 2:05 p., 12 miles northwest at 2:15 p., 4 miles north at 2:25 p., and 15 miles northeast at 2:30 p.
Glen Ullin, 14N	15	3:25 p.								Funnel cloud
										Funnel cloud reported by highway patrol.
Ft. Yates	15									Funnel cloud
										Funnel cloud west of city.
Dickinson, 18NE	16	9:02 p.								Funnel cloud
										Funnel cloud reported by public.
Southeast	17	4:00 a. 6:00 a.	150	*30	0	0	5	6		Severe wind and hail storm
										A fast moving storm 30 to 35 miles in diameter first reported at Ashley before daybreak moved rapidly northeastward crossing into Minnesota below Fargo about 6:00 a. Winds were exceptionally strong being estimated at 100 mph in the Sheldon-Kindred area and at 90 mph at Ellendale. Winds blew near peak velocity for 10 to 15 minutes. Observers stated that storm was second most severe storm ever in Dickey County, while at Kindred observers stated it was the strongest, most sustained wind in their memory. About 200 telephone poles were down in Lisbon-Sheldon-Leonard area. Tree damage was very severe along entire path and many barns and other outbuildings were damaged or destroyed. Hail damage was very severe in path of storm. In Ransom County along 60 square miles of crops suffered moderate to total loss while in Dickey County about one third of county had hail damage.
Gascoyne	18	4:55 p.	0.1	15	0	0	4	0		Tornadoes (2)
										Twin tornadoes sighted by several people struck 2 farms 1.5 miles east of Gascoyne. At Earl Nelson farm tornado moving southwest touched down briefly destroying garage and a chicken coop and moving anchored granary off foundation. At Bud Perkins farm 1/4 mile south of the Nelson farm a southward moving tornado touched briefly destroying or damaging several buildings. 2x4 dimension lumber was blown through tire of plow.
Southwest	18	1:50 p. 9:00 p.								Hail and funnel clouds
										Numerous reports of large hail. 2 3/4 inch hailstones reported at 2:30 p. at New England, 1 inch hailstones 1:30 p., 17 miles west northwest Dickinson, and 1 inch hail at Hettinger at 7:00 p. Funnel clouds were sighted 29 miles south-southwest of Dickinson at 1:30 p. and at 4:15 p. 9 miles north of Richardson.
Eastern portion	19	2:15 p. 5:00 p.								Funnel clouds
										Numerous sightings of funnel clouds. Public reported funnel cloud moving east-northeast 15 miles northwest of Jamestown at 2:15 p. Several reports of funnel clouds about 8 miles south of Hankinson near state line between 2:40 p. and 2:50 p. Funnel clouds were also sighted in Edmore-Hampden area between 4:20 p. and 5:00 p.
Munich, 2W	21	3:10 p.	11	50	0	0	4			Tornado, hail
										Tornado touched down 2 miles west of Munich and moved southeastward until it lifted 7 miles west of Hampden damaging at least 5 farms. Hail streak about 3 miles wide paralleled path of tornado.
Lawton, 10SW	21	3:12 p.	short narrow		0	0	3			Tornado, hail
										Tornado touched down briefly 7 miles west and 3 miles south of Lawton extensively damaging barn and granary. Tornado is believed to have been formed from same cell which caused Munich tornado a few minutes earlier. Golf ball size hail was reported in Bracket area.
East central	21	3:55 p.			0	1	5	5		Tornadoes (2), hail
										Severe storm, believe to be associated with cell which produced tornadoes earlier near Munich and Lawton, produced 2 tornadoes. One tornado began 8 miles west and 1 1/4 miles south of Finley. It moved southeastward for 13 miles with a damage path about 75 yards wide. Another tornado, the more intense of the two, began near the Finley radar station and moved south-southeastward for 11 miles with a damage path 500 yards wide. Winds between the tornadoes were very strong - probably exceeding 100 mph. Extensive property and tree damage and hail damage was caused in a 120 square mile west of Finley and Hope. The storm continued southeastward before diminishing in vicinity of Leonard. Severe hail damage was also reported from the Buffalo, Wheatland area. One man was injured by flying debris while on his way to dugout shelter.
Valley City, 9SW	21	About 7:00 p.	0.1	20	0	0	3	0		Tornado
										Tornado touched down briefly on Harold Fiebert farm but damage was limited to shingles, knocked down wires, and tossed farm equipment.

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>North Dakota (continued)</b>									
Belfield, 10SW	20	10:48 p.							Funnel cloud
Woodworth, 10E	22	10:16 p.							Funnel cloud
Cando	26	2:00 a.							Strong winds
									Strong winds of estimated 70 to 75 mph made travel on highway difficult.
<b>Ohio</b>									
Convoy, Van Wert County	2	2:35p							Funnel aloft
									Farmer sighted funnel aloft between Convoy and Payne.
Putnam, Hancock, Wyandot Counties	2	2:55p	45	200	0	0	6		Tornado
									This storm first touched down in a rural area near Ottawa and skipped eastward at 45 mph. The storm caused little damage (a lightning set fire from the parent storm caused \$20,000 loss in Ottawa.) until it touched ground in Findlay. More than 21 buildings were hit in Hancock County. Total loss was set at near \$600,000. Mc Cutchenville reported the last touchdown along this storm's path. In Findlay the damage path was along a 060 degree path.
Allen, Hancock, and Wyandot Counties	2	3:00p	45	200	0	0	4		Tornado
									This storm was probably related to the funnel aloft which passed between Convoy and Payne at 2:35 PM. This storm was first sighted on the ground 3 miles northwest of Pandora. Other touch-downs occurred near Bluffton and Carey. Damage from this storm was minor because all confirmed touch-downs occurred in rural areas. The path of this storm parallels the storm noted above.
Scattered Areas	2	Afternoon			0	0	5		Rain, hail, and electrical
									A downpour caused the Beaver Creek in Celina (Mercer Co.) to rise. Flooding covered a parking lot which contained 34 new cars. Lightning in the same area set a cottage on fire. Wind damage was reported in Caldwell (Noble County).
Olena (Huron County)	5	1:00a			1	3	4		Wind
									A woman was killed and three persons injured when their car struck a tree that fell during a wind storm. The accident occurred in Olena where several trees were uprooted during a thunderstorm. Several northern locations reported minor damage as thunderstorms moved through northern Ohio. Locally heavy rains accompanied many of these storms.
Scattered Areas	5	Afternoon			0	0			Wind, rain, and hail
									Golf ball size hail was reported near Flushing (Belmont County). Minor wind damage was reported in the same area. Inch hail fell near Canton at about 5 PM. Minor wind damage also occurred near New Lexington (Ferry County).
Much of State	6	Morning, afternoon evening			0	0	6		Wind, electrical, rain, hail
									Severe thunderstorm activity was common. Lightning set fires were especially numerous in Wood and Lucas Counties where losses exceeded \$100,000. Dense hail forced the temporary closing of Interstate 77 south of Cambridge. Fredonia (Licking County) received 4.75 inches of rain in one hour. This caused flooding along several small streams including Dry Creek in the Newark area. Other downpours were reported at Newcomerstown (Tuscarawas County), Bainbridge (Fayette County), Southern Greene County, and Millersburg (Holmes County) while many other locations reported rainfalls of more than one inch. Downed trees and utility lines were common nearly everywhere in Ohio.
Toledo, Lucas County	6	12:10p							Funnel aloft
Sandusky, Erie County	6	1:00p							Funnel aloft
Cleveland, Cuyahoga County	6	1:40p							Funnel aloft
Galion Area, Morrow County	6	2:00p							Funnel aloft
Lordstown, Trumbull County	6	3:45p							Funnel aloft
Oakthorpe, Fairfield County	6	3:58p							Funnel aloft
Richwood, Union County	6	8:00p							Funnel aloft
Northern Ohio	7	Afternoon			1	0	5	?	Wind, electrical, rain, and hail
									The third consecutive day with severe thunderstorms was mainly confined to northern Ohio. Damages from these storms were especially heavy in the northeast. Hail destroyed several acres of grapes near Geneva. Lightning caused a \$5,000 loss at a Sandusky school.
<b>Ohio (continued)</b>									
									An Elyria man died of an apparent heart attack while clearing a barn of animals. The barn was set on fire by lightning.
Mt. Cory, Hancock County	7	8:00p							Funnel aloft
Cleveland, Cuyahoga County	7	8:15p							Funnels aloft
									Three funnels reported in the Cleveland area.
Wilmington Area, Clinton County	12	8:45a							Funnel aloft
Scattered Areas	13	Afternoon evening			0	0	4		Wind, electrical, rain, and hail
									Two and one half inches of rain fell in less than one hour near Lowell (Washington County) causing a sand and mud slide on Ohio Route 60. Hail stones up to 1 1/2 inches in diameter were reported near Logan (Hocking County). Two house trailers were demolished by winds, one near Marysville (Union County) and another near London (Madison County).
Amanda Area, Fairfield County	14	3:45p			1	0			Electrical
									A 22-year old man was struck and killed by lightning while working on a utility pole. The pole was split by the lightning.
Scattered Areas	20	Afternoon evening			0	1	5		Electrical, wind, hail, and rain
									Widely scattered thunderstorms accompanied in some areas by intense lightning, strong winds, and heavy rains were most prominent in northeast Ohio. A Cleveland area school lost its roof. Damage at the school was set at \$150,000. Inch hail was also reported in the Cleveland area. A man was struck by lightning at the Cleveland airport.
Southern Half State	25-	Evening-26 morning			1	?	6	?	Wind, electrical, rain, and hail
									A series of severe thunderstorms swept across a 40-county area mainly southeast of a Lima to Zanesville line causing more than \$2 million in damages. Hard hit by winds of 70 to 85 mph were the Russells Point-Indian Lake area, Marysville in Union County, Western Clark County and eastern Miami County. Other hard hit areas were Springfield, Bellefontaine, Urbana and communities in Montgomery, Greene, Fairfield, Fayette, Mercer, Auglaize, and Shelby Counties. Throughout these areas lightning set fires were common and the strong winds tore roofs away, uprooted thousands of trees and left thousands without utilities-some for several days. It was a strange storm. The rains hit then the wind-then it would start over again with lightning being almost continuous. Some rainfall amounts from the storm include Springfield with 5.16 inches; Clinton County Air Base 4.46; Washington C. H. 4.09; Beddalia 3.58; London 3.52; Bourneville 3.40, and Hillsboro 3.29 inches. In spite of the heavy rains damage from flash flooding was small. In Liberty Township (Union County) alone 34 barns were demolished by strong winds.
Scattered Areas	28-	Afternoon -morning			2	0	5		Electrical, wind, and rain
									Temperatures in the 75-101 degree range resulted in power shortages in several areas. Two Cincinnati residents were killed by storms (a tree fell on one, a lightning set fire killed the second). Thunderstorms were accompanied by strong winds, lightning and heavy rains in several locations. Most of the damages were limited to trees and utility lines.
Northeast Ohio	30	2:30p			1	0	4		Electrical, wind and rain
									A large barn and two smaller buildings were destroyed by a lightning set fire near Willoughby. A Cleveland woman was struck and killed by lightning while walking near her home. Power outages were common in northeast counties.
Oklahoma 6N Broken Bow, McClain County	1	1:30a. **100	70		0	0	3	0	Tornado
									A small tornado touched down briefly destroying two out-buildings and several trees.
2 1/2 NE Haworth, McClain County	1	About 2:00a.			0	0	3	0	Wind
									Strong winds with some characteristics of being associated with a funnel cloud aloft removed the roof from a barn and damaged a house.
Welch area, Craig County	2	3:00p.-3:30p.	15		*5	0	0	4	Hail
									Up to 2-inch hail damaged roofs and windows mostly in Welch. Crop damage was heavy.
Salina, Mayes County	2	4:00p.			0	0	2	0	Hail, wind
									Hail up to 2 inches in diameter caused no reported damage. Wind damage was very minor.

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

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	
Oklahoma (continued)									
Shidler, Osage County	2	About 5:00p.							Funnel aloft
Grant County	2	5:00p.-7:00p.			0	0	1	1	Wind, hail, rain
									Strong wind, hail and heavy rain caused widespread damage across the County. Up to 1-inch hail damaged crops around Wakita. Two barns were destroyed and a house damaged southeast of Lamont. Trees were extensively damaged and as much as 2 1/2 inches of rain fell.
Tonkawa area, Kay County	2	5:40p.-7:55p.	Short Narrows		0	0	4	1	Tornado, funnel aloft
									A tornado touched down briefly at 7:00p.m. 8 miles west of Tonkawa destroying a barn, a truck and a combine. Persons living at the farm where the barn was located said they heard a loud roar. A funnel aloft was sighted one mile northwest of Tonkawa. Hail up to 2 1/2 inches in diameter damaged crops.
Alfalfa County	2	6:00p.-9:00p.	30	*15	0	0	1	1	Wind, hail
									Strong winds with peak gusts of 90 MPH to 95 MPH damaged utility lines and the airport hangar at Cherokee. Hail up to 3/4 inch in diameter caused extensive damage to the wheat crop.
Stillwater, Payne County	2	6:15p.-9:50p.			0	0	3	0	Wind
									Strong wind damaged two buildings south of the airport. Winds were generally 50 MPH to 60 MPH but one gust of 100 MPH was recorded at the airport.
Billings area, Noble County	2	6:30p.-7:30p.	15	*5	0	0	3	4	Wind, hail
									Wind estimated at 80 MPH damaged or destroyed several small buildings. Tree limbs and TV antennas were damaged in Billings. Northeast of Billings, the wheat crop was damaged by 1/2-inch hail.
Ponca City, Kay County	2	6:35p.			0	0	0	0	Wind
									Wind of 74 MPH at the airport, but no reported damage.
Enid area, Garfield County	2	7:15p.-7:30p.			0	12	6	0	Wind, funnel aloft
									Ninety-three MPH winds caused extensive property damage in the area. Hardest hit was the High Point Mobile Park in northern Enid where 25 mobile homes were either demolished or heavily damaged. Also hard hit was the Holiday Village Mobile Park nearby. Twelve persons were treated for injuries, five of which were admitted to the hospital. A funnel cloud was photographed over Vance Air Force Base shortly after 7:00 p.m. but did not touch the ground. Roofs of several buildings were damaged at the air base and many aircraft received light damage.
Logan County	2	7:30p.-10:30p.			0	0	1	0	Wind, hail, lightning, funnel aloft
									Wind damaged the roofs of three homes in the vicinity of Marshall. Marble size hail was reported at Marshall but caused no damage. One funnel cloud aloft was reported northwest of Guthrie about 8:00 p.m. Lightning struck a barn near Orlando causing \$2,000 damage.
5 N Yukon, Canadian County	2	9:00p.							Funnel aloft
El Reno, Canadian County	2-3	9:00p., 2nd - 2:30a., 3rd			0	0	5	0	Wind
									Strong winds destroyed two mobile homes about 9:00 p.m. with damage estimated at \$18,000. Another storm struck about 2:00 a.m. causing widespread damage.
Oklahoma City, Oklahoma County	2	9:15p.-10:30p.			0	0	5	0	Wind, hail
									Strong winds of 70 MPH broke numerous tree limbs within the City. Some roofs and windows of homes and auto windows were struck by the falling limbs and caused damage. Hailstones of 3/4 inch diameter were observed at Wall Rogers Airport.
Elmore City, Garvin County	3	4:10a.			0	0	0	0	Hail
									Three-fourths-inch hail caused no reported damage.
East of Cherokee, Alfalfa County	6	About 6:30p.							Funnel aloft
Cedar Springs area, Major County	7	5:30p.-6:15p.	5	*1	0	0	0	4	Hail
									Up to 3-inch hail damaged small grains and farm gardens.
Oklahoma (continued)									
Cordell, Washita County	7	About 6:00p.							Hail
									Three-fourths-inch hail caused no reported damage.
West of Geary, Elaine County	7	About 6:00p.							Funnel aloft
Thomas, Custer County	7	6:00p.	1 1/2	50	0	0	5	3	Tornado
									A funnel formed on the southwest edge of Thomas, then moved northward causing heavy damage over the west side of town. Several homes were damaged or destroyed along with one business house. One cattle track had left tracks as it was dragged by the storm through a wheat field in a northwest direction. The remains of the trailer were found 1/2 mile from the beginning of the tracks. Hail up to 1 inch in diameter caused minor crop damage.
North and east of Alva, Woods County	7	6:00p.-7:30p.			0	0	4	4	Hail
									One and three-fourths inch hail caused moderate property and extensive crop damage.
Hydro area, Caddo County	7	6:30p.-8:00p.	3	*2	0	0	4	4	Hail, wind, lightning
									Up to 3-inch hail caused considerable property and crop damage. Wind estimated at 60 MPH to 70 MPH caused considerable property damage. Lightning struck a barn full of hay which was destroyed by fire.
Fort Cobb Reservoir, Caddo County	7	About 7:00p.			0	0	4	0	Wind
									Strong, straight wind destroyed two unoccupied trailer homes.
Oklahoma City, Oklahoma County	7	7:00p.-8:30p.			0	0	1	0	Wind
									Wind up to 65 MPH caused scattered mostly minor property damage.
Stillwater area, Payne County	7	7:00p.-8:45p.			0	0	1	0	Wind
									Wind of 50 MPH to 60 MPH caused scattered mostly minor damage.
South of Lone Wolf, Kiowa County	7	Evening			0	0	1	1	Hail
									Hail up to 1 3/4 inches in diameter caused minor property and crop damage.
Cordell, Dill City, and Bessie area, Washita County	7	Evening			0	0	1	0	Tornado, hail, wind, funnel aloft
									One tornado touched ground 4 miles north of Cordell in open country. Another funnel was sighted aloft 10 miles southwest of Cordell. Time of the sightings was about 7:30 p.m. Wind in the area was estimated at 50 MPH to 60 MPH but caused only minor property damage. Hail up to 1 1/2 inches in diameter was reported at Cordell and very small hail at Dill City. There was no damage reported from the hail.
Pawhuska area, Osage County	7	9:30p.-10:30p.							3 funnels aloft
Lindsay, Garvin County	7	10:30p.	1/2	200	0	0	4	0	Wind
									Straight wind of 60 MPH or higher caused considerable property damage in the downtown area.
Norman, Cleveland County	7	Night			0	0	1	0	Wind
									Wind measured at 66 MPH at the National Severe Storms Laboratory caused mostly minor damage in Norman.
Laverne, Harper County	8	2:30p.			0	0	0	0	Hail
									Up to 1 3/4-inch hail caused no reported damage.
Cordell, Washita County	8	11:50p.							Funnel aloft
28 SW of Altus, Jackson County	9	12:26a.							Funnel aloft
N of Turpin, Beaver County	9	5:06p.			0	0	3	0	Tornado
									A tornado touched down briefly destroying a barn.
2 1/2 N of Erick, Beckham County	9	6:00p.			0	0	3	0	Wind
									Straight wind tore roof off of a new barn.
Laverne area, Harper County	9	8:30p.	1/2	400	0	0	4	4	Tornado, wind, hail
									A tornado touched down briefly 6 miles north of Laverne causing \$6,000 property damage. Straight wind also caused some damage in the area. Hail up to 3 inches in diameter caused minor property damage and approximately \$10,000 crop damage.

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

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	
Oklahoma (continued)									
Near Knowles, Beaver County	9	8:45p.			0	0	3	0	Tornado
			A tornado touched down briefly destroying a barn.						
Guyton area, Texas County	9	9:35p.-10:30p.			0	0	0	0	Tornado, funnel aloft
			Highway Patrol sighted a tornado 6 miles west of Guyton at 10:30 p. A funnel aloft was sighted at 9:35 p.m. 10 miles southwest of Guyton.						
NW of Sayre, Beckham County	10	About 6:30p.			0	0	3	0	3 funnels aloft, wind
			Straight wind of 60 MPH to 70 MPH destroyed a barn. Three funnels were sighted aloft.						
Altus area, Jackson County	10	8:00p.	4	100	0	2	4	0	Wind
			Straight wind of 71 MPH damaged airplanes at the airport, a barn and two mobile homes. Two persons were injured slightly. Two-inch hail fell 2 miles northeast of Altus, but caused no damage.						
Guyton, Texas County	11	6:30p.-9:50p.			0	0	1	1	Wind, hail
			Straight wind of 75 MPH damaged trees, power lines, signs, roofs of houses and plate glass windows. Marble side hail fell.						
Gage, Ellis County	11	8:57p.			0	0	0	0	Wind
			Straight wind of 58 MPH caused no reported damage.						
South of Kingston, Marshall County	14	2:15a.			0	0	4	0	Lightning
			A home south of Kingston destroyed by fire after being struck by lightning.						
Seminole, Seminole County	21	6:50p.			0	1	0	0	Lightning
			A woman was injured when struck by lightning while in her yard.						
Near Welch, Craig County	22	10:17p.							2 funnels aloft
Creek, Tulsa, and Wagoner Counties	22	10:30p.-11:30p.			0	0	0	0	Wind
			Wind gusts of 50 MPH to 60 MPH were reported throughout the area but no damage.						
Oklahoma City, Oklahoma County	30	8:00p.			1	0	0	0	Lightning
			Man killed when struck by lightning.						
Woodward and Mooreland, Woodward County	30	About 9:00p.							2 funnels aloft
Oregon			None reported						
Pacific			None reported						
Truk District Moen Island	30	7:10 a.-7:16 a.							Waterspout
			Waterspout northwest of weather station observed moving west.						
Pennsylvania									
Erie County	2	7:05 PM	30	Narrow	0	0	4	0	Tornado, wind
			A funnel-shaped cloud destroyed a barn, an 80-foot concrete block silo and a summer home in Edinboro. A number of very large trees fell on and around the barn. Estimated damage was \$35,000-\$10,000. The tornado took a course from Edinboro eastward to Mill Village, Union City to Columbus. Uprooted trees were reported in Mill Village, Waterford and Union City. 9 miles to the east of Routes 19 and 6N the wind picked up part of the roof of a fruit market and carried it over 100 feet. There were scattered reports of lines down in areas around and west of Corry and around Edinboro.						
Franklin County	3	1 PM			0	0	0	0	Funnel cloud
			A funnel-shaped cloud was reported in the vicinity of Greencastle. No reports of injuries or damage were received.						
Extreme southeastern Pennsylvania	3	Afternoon			0	0	3	0	Lightning
			At approximately 3:04 PM lightning caused a house fire about 3 1/2 miles north of Oxford in Chester County. Damage was estimated at \$3,000. Fire damage to a home in Oak Hill, Lancaster County caused by lightning was minor.						
Lancaster County	4	Evening			0	0	3	0	Lightning, rain, hail
			Moth-ball sized hail caused damage to lawns, shrubs, window panes and automobiles in some sections of the county. The Millersville area was hardest hit by the storm that lasted from 6:30 PM-6:50 PM with hailstones as large as golf balls. The Lancaster area reported two power failures due to lightning. Southern Lancaster County reported flooded roads and downed trees.						
Pennsylvania (continued)									
Southwestern Pa.	6	Day			0	0	5	0	Hail, wind, lightning
			Strong winds prevailed throughout the area. Hail the size of golf balls was reported near Somerset where a wind-toppled tree fell across a roof. In the Mon Valley damages were estimated to be in the thousands of dollars due to wind and lightning between 4 and 6 PM. Electric and telephone services were interrupted and total damages due to cars skidding on wet roadways were estimated at \$2,200. Around 5 PM strong winds toppled trees, broke off limbs and cut off electrical power at many Cambria County areas. At Prince Gallitzin State Park some 100 trees were felled on the Crooked Run campground alone. Winds gusted up to 75 mph. Waves on the lake were 2 to 3 feet high and damaged portions of the beach. Damages to homes and utility lines and trees were estimated to exceed \$50,000. Around 3:45 AM lightning struck a house in Ligonier and caused an estimated \$2,000 damage. At about 6:30 AM lightning started another house fire with an estimated \$20,000 damage. At 2 AM a fire caused by lightning resulted in \$15,000 damage to a dairy barn a half-mile north of Valencia in Butler Co. Damage to grain and equipment inside the structure totaled \$8,000. In Bridgeport, Fayette County lightning set a house on fire and caused an estimated damage of \$5,000. In Uniontown store windows were broken by wind and a power line fell on a car, doing some damage. At about 4:50 PM a fire triggered by lightning resulted in heavy damage to a finished attic of a double house in Dubois, Clearfield County.						
Bradford County	6	Evening			0	0	4	3	Hail, wind
			In the Towanda area electricity was off for up to 3 hours. A number of windows were broken by walnut-sized hailstones at Lake Wesanking. In some areas the hail completely covered the ground and resulted in crop damage. A tree split by wind toppled onto a 1965 model car. On Route 6 a few miles north of Tunkhannock three cars were damaged as a result of a crash attributed to the storm.						
Luzerne, Carbon, Lehigh counties	6	Evening			0	1	4	0	Hail, rain, lightning
			Rocks and other debris were washed onto highways with several areas reporting severe flooding. The storm accompanied by marble-sized hail felled a tree on Route 895 in the Ashfield area and knocked out the state police radio in Lehighton. Two amplifiers of the Carbon Cable Television Company system were struck by lightning interrupting TV service in Jim Thorpe and Lehighton. In Allenstown a man was struck by lightning and received a minor arm injury. At about 8:20 PM lightning hit a three-story barn in Fountain Hill, Lehigh County and demolished it. Estimated damage was set at \$3,000. Golf ball size hail caused some damage to garden crops and flowers in Luzerne County. Some trees and limbs were knocked down by the heavy rain and wind causing power interruptions and some minor flooding. In the Poconos area wind damaged awnings, windows, storm doors, roof gutters, tore loose shingles and siding and displaced garbage cans. Pond Creek reported hailstones as big as walnuts.						
Lancaster, York counties	6	7:45-8 PM			0	0	4	0	Lightning, rain
			One mile southeast of Windsor lightning struck a mobile home which was destroyed together with a 1964 convertible. At least 2 trees were downed and some utility wires. Wind ripped leaves from tree limbs, flattened shrubbery and damaged TV antennas.						
Adams and York counties	7	Early afternoon			0	0	4	0	High winds
			High winds damaged 11 trailers and a garage, destroyed a chicken coop, and uprooted trees at Pleasant Hall and in northern York Co.						
Westmoreland County	7	Late afternoon			0	0	4	0	Lightning.
			About \$7,500 damage was done to a home near Greensburg when struck by lightning. The Jeannette-Tyrin area reported scattered damage to power lines. At 2:35 PM lightning struck the attic of a home in Hartford Heights and caused an estimated \$2,000 damage.						
Fayette County	7	2:15 PM			0	0	4	0	Lightning, wind, rain
			Lightning destroyed a Mill Run barn and heavily damaged a Mason-town school. Strong winds resulted in damage to a Brier Hill home when a tree toppled onto it and caused cable problems.						
Erie County	7	Evening			0	0	4	0	Lightning
			10 milk cows were struck by lightning about 9 PM in Union City. The loss was estimated at \$6,500.						
Franklin County	7	3:30 PM			0	0	3	0	Lightning
			Lightning struck 2 trees at a farm near Codorus State Park. It followed the trees into the house and caused an estimated \$500 damage to the kitchen stove.						
Union-Northumberland-Snyder counties	7	Evening			0	0	4	0	Lightning, rain
			At Shamokin Dam a house was struck by lightning causing several thousand dollars damage. Milton area experienced a major power failure and Senary police department was without radio communications. Some cellars were flooded and at New Columbia a barn fire was reported.						

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

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	
Pennsylvania (continued)									
Fayette County	12	Morning			0	0	3	0	Lightning
									Lightning struck a barn near Pennsville shortly after 8 AM. Damage was minor.
Westmoreland County	13	Afternoon-evening			0	0	5	0	Rain
									A downpour started around 5:30 PM and in the next 90 minutes an estimated four inches of rain brought on near disaster and chaotic conditions throughout the county. Route 119 between New Stanton and Mount Pleasant was blocked from 9 PM until early the following day. Flash flooding occurred in the Jeannette-Irwin area and Central Westmoreland County. Damages to roads and properties in low-lying areas were estimated to be in the hundreds of thousands of dollars. One business firm alone in Jeannette suffered a \$50,000 loss.
Butler County	13	Evening			0	1	4	0	Wind
									High winds dislocated a mobile home 40 feet from its foundation. Damage to the trailer was estimated at \$1,000. The owner who was carried along inside the vehicle suffered a sprained back and leg injuries.
Westmoreland County	14	Afternoon-evening			0	1	5	0	Rain, wind
									Winds reached 60 mph uprooting trees and ripping out telephone wires. Many residents went without electrical power for up to 6 hours. Damage to two trailers at Bradenville was estimated at \$16,000. Route 981 from Latrobe to New Alexandria was blocked by fallen trees. Route 217 from Kingston to Derry was washed out. Flash flooding occurred at and near Idlewild Park on Route 30 between Latrobe and Ligonier. Estimated damages to roads, flooded basements, etc. was \$50,000. A man was injured when the steel supported roof of a concrete block plant collapsed at Bradenville. Damage to the plant was \$3,000.
Franklin and York counties	14	Afternoon-evening			0	0	4	0	Rain, wind, lightning
									Wind and lightning caused many problems over the counties. One trailer was turned over on its top and 2 others twisted off their foundations west of Chambersburg. Nearby a stand of about 20 locust trees were uprooted, two falling onto a house with antennae. Some flooding occurred on Route 11 at Greencastle and on Route 75 at Willow Hill. Electricity was disrupted on and off during the night in the western section of Franklin County. Lightning knocked out a transformer servicing some 2,800 customers in the Windsor area. High winds felled trees and washed soil onto highways in southern York County.
Dauphin County	14	11:26 AM			0	0	4	0	Lightning
									In Harrisburg lightning struck a home and caused an estimated damage of \$7,000.
Erie County	20	8 PM			0	0	4	0	Lightning
									Near Erie lightning struck a large barn and caused an estimated loss of \$40,000.
Bucks County	21	Afternoon			0	0	2	0	Lightning
									Minor damage resulted when lightning struck a church near Lansdale about 3:20 PM. The structure was equipped with lightning rods.
Tioga County	24	Afternoon			0	0	3	0	Lightning
									A transformer blew out at the Tioga General Hospital at 4:55 PM and caused some lights and television sets at the hospital to burn out. Lightning struck one of the transformers.
Tioga County	25	Evening			0	0	3	0	Wind
									In Elkland high winds uprooted two huge trees and a willow tree toppled onto the roof of the maintenance building of a leather company.
Union County	28	Morning			0	0	4	0	Lightning
									Lightning caused a fire near Springtown and Watsonstown and destroyed a mobile home with all its contents.
Adams County	28	Morning			0	0	4	0	Lightning
									Lightning destroyed a large barn a half mile southwest of McKnightstown at 7:56 AM. The barn was filled with hay and straw. Estimated loss was between \$7,000 and \$8,000.
Cambria County	29	Afternoon-evening			0	0	4	0	Lightning, rain
									A thunderstorm caused flash flooding and resulted in lightning damage. An estimated \$2,500 damage was caused at 4 PM when fire leveled a small barn near Patton. In Johnstown lightning caused \$500 damage to a home and struck a tree which toppled onto a 1970-model car.
Clearfield County	29	Afternoon-evening			0	1	4	0	Rain, hail, wind, lightning
									Lightning struck at least three homes, extensively damaging one in Curwensville, trees were felled by the wind, streets and highways
Pennsylvania (continued)									
									were clogged with water and debris, and there were widespread telephone and electrical service blackouts. Estimates of property losses reached into the thousands of dollars. A man suffered chest pains while attempting to fight a house fire started by lightning. In Clearfield a 100-foot section of berm was washed away and a landslide blocked both lanes of State Route 879 near Lick Run. Several homes in the Clearfield area experienced damage from marble-sized hail. Hailstones as large as 1 inch in diameter damaged roofs, windows and gardens.
Elk County	29	Later afternoon			0	0	2	0	Lightning
									About 4:36 PM lightning struck the chimney on a St. Marys home.
Erie County	29	Night			0	0	3	0	Lightning
									About \$5,000 worth of damage was done to the sewage treatment plant in Erie when lightning struck the chimney, causing it to topple on three city vehicles, two trucks and one car. Lightning destroyed one transformer and downed 7 power lines.
Tioga County	30	Evening			0	0	3	0	Wind, hail, rain, lightning
									A severe electrical storm ripped out trees, disrupted power and telephone service and damaged at least one house extensively. One-half inch hail reported.
Somerset County	30				0	8	2	0	Lightning
									A bolt of lightning felled eight members of a baseball team playing in Garrett. Throughout the community there were reports of minor lightning damage.
Puerto Rico									
None reported.									
Rhode Island									
Central Sections									
	8	5-12 PM			0	0	5	0	Lightning, wind
									Severe thunderstorms with strong winds and intense lightning downed power lines and set a dozen fires in Scituate and Cranston, Providence Co. and in W. Warwick, W. Greenwich and Warwick, Kent Co.
South Carolina									
Charleston County									
	9	6:30 p.			0	0	0	6	Thunderstorms, hail, wind
									The Wadmalaw Island and Johns Island tomato and cucumber crop suffered considerable damage due to hail and high winds. About 20% of Charleston County's tomato crop was destroyed just four days before picking was to begin. Much damage was done also to cucumbers and some to corn. Excess migrant farm workers had to be fed and cared for now that there was a reduced need for labor.
Charleston County	14	7:15 p.			0	0	0	0	Funnel cloud.
									A funnel cloud was reported near Mt. Pleasant about 6 miles south of Charleston.
Clarendon County	15	about 6:00 p.			0	1	0	0	Thunderstorm, lightning
									A man was rendered unconscious near Summerton when lightning struck a telephone wire while he was telephoning. He was calling the power company to report that thunderstorms had caused a power failure. He made a satisfactory recovery but was hospitalized for one week.
York County	15	6:30 p.			0	6	4	3	Thunderstorms, high winds
									Very strong winds and heavy rain did considerable damage in York County. A small plane was overturned and damaged at York. A mobile home was demolished near Clover. It was lifted from its foundation, carried over an automobile and dumped to the ground. Three persons were inside and two received slight injuries. The third, a woman one week away from childbirth, was thrown some 70 feet but apparently not seriously injured. The main storm area was in the city of Rock Hill, about a 12 block area around the Winthrop College campus. About 200 trees were downed in the city, 25 on the campus alone. Several homes and buildings were damaged and at least three mobile homes were damaged. One was demolished. It had 4 persons in it at the time and three of them sustained minor injuries. Several automobiles were crushed by trees and limbs. Winds were reported to have gusted to 90 m.p.h. and heavy rain fell during the storm. A new Jr. High School under construction was badly damaged. Many streets were completely strewn with limbs and trees.
Spartanburg County	15	Afternoon			0	0	0	4	Thunderstorm, rain, wind and hail.
									Peach growers in the Chesnee area sustained considerable damage to peaches and trees due to hail, wind and heavy rain. Losses were heavy within a 4 square mile area.
	15	Afternoon			0	4	5	6	Thunderstorms, wind, hail, rain
									A 12 county area centered on Lee, Darlington, Sumter, and Florence Counties

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
South Carolina (continued)									
		A large area suffered assorted damage from several large thunderstorms. At Camden 3/4 inch hail fell, one mobile home was demolished and another damaged. At Mechanicville in eastern Darlington County, the whole town felt the effects of a severe storm. Trees were downed, small buildings flattened, crops damaged and a mobile home destroyed. A woman and her 7 year old daughter were in the trailer at the time and the woman sustained a critical injury to her foot requiring surgery. In the Trinity community in eastern Sumter County, a woman and two children were injured, but not seriously, as their mobile home was demolished. In some areas, hail is reported to have fallen for a period of 25 to 30 minutes. Crop damage was great. The hardest hit area was in the eastern part of Lee and Sumter Counties where about 6,000 acres of cotton were damaged. Up to 8,000 acres of cotton were damaged or destroyed throughout the twelve county area. Several hundred acres of the valuable tobacco crop were damaged or destroyed. In addition, corn suffered badly as did soybeans.							
Union County	18	Afternoon			0	1	0	0	Thunderstorm, lightning
		A dispatcher in the sheriff's department in the city of Union received an electric charge from a telephone on which he was talking. Lightning hit the telephone line nearby. He was treated at a hospital and dismissed as not seriously injured.							
Dillon, Marion, Marlboro and Darlington Counties	27	9-10 p.			0	0	5	5	Thunderstorms, wind, lightning, hail, rain
		An area of thunderstorms did considerable damage in Dillon and Marion Counties and some in Darlington and Marlboro. The tobacco crop suffered it's second heavy loss of the month, being damaged by wind, hail and heavy rain which flooded the fields. Several hundred acres were affected. An unusual amount of lightning set several fires and raised havoc with communication and power facilities. A large fire in Dillon resulted in a large loss of many types of farm machinery as well as considerable grain. Another fire in Lake View, thirteen miles southeast of Dillon, demolished a large packing house containing many items of farm machinery. Also near Dillon, a residence burned to the ground. The family was away but their five dogs perished in the fire. There was also damage to corn which was first flattened by the wind and then deluged with several inches of rain. Damage to crops other than tobacco and corn was minor.							
South Dakota									
Near Newell, Butte County	2	3:00 - 5:00 p	5	*3/4	0	0	3	3	Hail
		Hail averaging 1 inch with largest to 2 inches caused damage to crops and a few buildings. Storm moved from SW to NE.							
2N Ardmore, Fall River County	2	p m			0	0	0	3	Hail
		Hail up to 1 inch diameter caused light crop damage.							
Waubay Area, Day County	3	7:00 p							Funnel cloud aloft
1N Davis, Turner County	3	7:05 p			0	0	0	0	Tornado
		Apparently funnel touched down in open country with no damage reported.							
1/2NE Lennox, Lincoln County	3	7:11 p			0	0	0	0	Tornado
		Apparently funnel touched down in open country with no damage reported.							
SESE Hayes, Stanley County	3	?			0	0	?	?	Hail
		Hail caused 10-50% crop damage.							
West edge of Winner, Tripp County	4	4:30 - 4:35 p			0	0	6	0	Wind
		Winds with gusts up to 90 MPH destroyed 5 large mobile homes on sale lot. A large farm equipment firm west of Winner reported extensive damage to equipment parked outside.							
Wood, Mellette County	4	3:00 p	1/4	50	0	0	3	0	Tornado
		Tornado caused \$800 damage to granaries and farm equipment.							
15SW Pierre, Stanley County	4	3:25 p			0	0	4	0	Tornado
		Tornado moving from SW to NE destroyed barn and blew windows out of house and destroyed engineering shop SE of Draper causing \$5,000 damage.							
30SSE Pierre, Hughes County	4	3:55 p			0	0	4	0	Tornado
		Tornado destroyed 2 buildings.							
Vivian, Lyman County	4	4:00 p			0	0	4	0	Wind
		Windstorm moved from SW to NE and took roofs off cafe and houses.							
1S Dante, Charles Mix County	4	7:00 p			0	0	3	0	Tornado
		Several roofs and store windows were destroyed.							
South Dakota (continued)									
Platte, Charles Mix County	4	7:10 p	5	30	0	0	4	0	Tornado
		Tornado moving from SW to NE caused \$25,000 damage to buildings.							
18SE Ferney, Day County	4	7:27 p			0	0	0	0	Tornado
		Apparently tornado touched down in open country with no reported damage.							
NE De Smet, Kingsbury County	4	8:05 p			0	0	0	0	Tornado
		Apparently tornado touched down in open country with no reported damage.							
Academy, Charles Mix County	5	p m			0	0	0	0	Tornado
		Apparently tornado touched down in open country with no reported damage.							
10SW Gettysburg, Potter County	6	2:25 p			0	0	0	0	Tornado
		Apparently tornado touched down in open country with no reported damage.							
Near Highmore, Hyde County	6	About 4:00 p			0	0	0	0	Tornado
		Apparently tornado touched down in open country with no reported damage.							
Near Reliance, Lyman County	6	About 4:00 p			0	0	0	0	Tornado
		Apparently tornado touched down in open country with no reported damage.							
4S Seneca, Faulk County	6	4:10 p			0	0	0	0	Tornado
		Apparently tornado touched down in open country with no reported damage.							
1W Midland, Haakon County	6	7:10 p							Funnel cloud aloft
Willow Lake, Clark County	6	7:25 p							Funnel cloud aloft
6SE Pierre, Hughes County	6	8:45 p							Funnel cloud aloft
14NW Timber Lake, Dewey County	7	2:30 p			0	0	0	0	Tornado
		Apparently tornado touched down in open country with no reported damage.							
10W Trail City, Corson County	7	2:45 p			0	0	0	0	Tornado
		Apparently tornado touched down in open country with no reported damage.							
3-5S De Smet, Kingsbury County	7	2:58 p							Funnel cloud aloft
W Hoven, Walworth County	7	3:00 p							Funnel cloud aloft
Arlington, Kingsbury County	7	3:15 p							3 Funnel clouds aloft
5NW Madison, Lake County	7	3:25 p			0	0	0	0	Tornado
		Apparently tornado touched down in open country with no reported damage.							
Sioux Falls, Minnehaha County	7	Before 4:00 p							Funnel cloud aloft
Oldham, Kingsbury County	7	p m							4 Funnel clouds aloft
Dell Rapids, Minnehaha County	7	p m							Funnel cloud aloft
Sinai, Brookings County	7	p m							Funnel cloud aloft
Wentworth, Lake County	7	p m							2 or more funnel clouds aloft
5NW Huron, Beadle County	8	10:30 a							Funnel cloud aloft
14NE Huron, Beadle County	8	11:30 a							Funnel cloud aloft
12E Corsica, Douglas County	8	11:30 a			0	0	0	0	Tornado
		Apparently tornado touched down in open country with no reported damage.							
5W Parkston, Hutchinson County	8	11:30 a			0	0	0	0	Tornado
		Apparently tornado touched down in open country with no reported damage.							

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	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							KILLED	INJURED	PROPERTY	CROPS		
South Dakota (continued)										South Dakota (continued)										
39W Sioux Falls, McCook County	8	1:00 p							4 Funnel clouds aloft										or destroyed farm buildings 2 miles E and 1 mile S of Estelline, 1 1/2 miles N of White, 2 miles E of White and 2 miles E of Aurora. The greatest damage occurred 2 miles E of White. Numerous other funnels were sighted besides the main funnel. The other funnels would form and dissipate with some of them touching ground. One observer noted 7 funnels at one time with 4 touching ground in the White area. The funnels formed to the rear of a thunderhead which moved SE in the rear of a cold front. It is difficult to give the number of tornadoes and funnel clouds in this case. The author observed this storm and noted all the funnels came from one parent cloud. The main funnel continued throughout the period but as mentioned above, numerous other funnels formed and dissipated in the general area of the main funnel. It is difficult to say for sure if some of the funnels that appeared to dissipate actually dissipated.	
Bridgewater, McCook County	8	2:59 p			0	0	0	0	Tornado	Near Wall, Pennington County	19	2:00 p	12	*2	0	0	4	5	Hail	
Woonsocket, Sanborn County	8	3:45 p							Funnel cloud aloft									Hail averaging 1 inch with largest to 2 inches damaged crops and buildings. Storm moved from NW to SE.		
Plankington, Aurora County	8	About 4:30 p							Funnel cloud aloft	Yankton Area, Yankton County	21	6:20 p			0	0	?	?	Hail	
15NW Doland, Spink County	8	5:55 p			0	0	0	0	Tornado									Hail up to 1 1/2 inches reported.		
									Apparently tornado touched down in open country with no reported damage.	Near Webster, Day County	23	Morning			0	0	3	0	Lightning	
10SW Plankington, Aurora County	9	7:45 p			0	0	0	0	Tornado									Lightning struck a barn causing a fire which completely destroyed the barn.		
									Apparently tornado touched down in open country with no reported damage.	21SSW Aberdeen, Edmunds County	24	9:59 a			0	0	0	0	Tornado	
4.5NW Hoven, Walworth County	9	9:05 p			0	0	3	0	Tornado									Funnel cloud touched down briefly with no reported damage.		
									Tornado damaged a small trailer house.	Hamlin, Codington and Deuel Counties	24	11:30 a-3:00 p			0	0	0	6	Hail	
Near Newell, Butte County	9	p.m.			0	0	5	5	Hail and locally heavy rain									Hail up to 3/4 inch caused up to 100% crop damage in spotty sections of area.		
									Hail caused locally heavy property and crop damage. Locally heavy rain of 2 1/2 inches washed out some roads and fields.	S Belle Fourche, Butte County	28	7:00 p			0	0	4	?	Wind and hail	
About 4S Mission, Todd County	10	8:35 p			0	0	3	0	Tornado									Wind and hail up to baseball size caused heavy damage to cars, campers and windows.		
									Funnel cloud touched down briefly destroying 2 small farm buildings.	30E Ellsworth Air Force Base, Pennington County	30	About 7:10 p							Funnel cloud aloft	
2 1/2S Andover, Day County	11	12:15 a							Funnel cloud aloft	<b>Tennessee</b>										
27NW Yankton, Yankton County	12	About 3:00 p			0	0	0	0	Tornado	Brighton, Tipton County	6	p.m.			0	0	4	0	Lightning	
									Apparently tornado touched down in open country with no reported damage.	Jamestown, Pentress County	6	5:00p.m.			0	0	?	0	Lightning	
15W Viborg, Turner County	13	4:15 p							Funnel cloud aloft									Sixteen Holstein cows killed by lightning.		
10N Mobridge, Corson County	15	Before 4:00 p			0	0	0	0	Tornado	Springfield, Robertson County	6	p.m.			0	0	4	0	Lightning	
									Funnel cloud apparently touched down in open country with no reported damage.									Fire apparently set by lightning destroyed barn filled with hay.		
10ENE Herreid, Campbell County	15	6:30 p			0	0	4	?	Tornado and hail	Tiptonville, Lake County	8	p.m.			0	0	4	0	Thunderstorm, wind, hail.	
									Funnel cloud traveled from NW to SE and destroyed a \$2,000 mobile home. Hail up to 1 inch extended over an area 10 by 15 miles.									Three and one-half inch rainfall in one hour. Several businesses flooded. Some wind damage and hail in surrounding adjacent counties.		
8SW Seneca, Faulk County	15	7:10 p							3 Funnel clouds aloft	Memphis, Shelby County	8	p.m.			0	0	4	0	Thunderstorm, wind.	
White River, Mellette County	15	7:40 p							Hail									Thunderstorms with wind gusts to 35 mph caused mostly minor damage to utilities.		
									Hail up to 1 3/4 inch was reported.	East Tennessee	8	p.m.			0	1	5	0	Lightning, wind.	
15NW Huron, Beadle County	15	11:44 p			0	0	0	0	Tornado									Scattered thunderstorms throughout area. Accompanying winds were especially strong in the general Knoxville-Elizabethton area. An Elizabethton woman was injured by lightning in her home. Considerable lightning damage to utilities and buildings.		
									Apparently tornado touched down in open country with no reported damage.	Parsons, Decatur County	8	p.m.			0	0	4	0	Thunderstorm, wind.	
Isabel-Timber Lake Area, Dewey County	15-16	10:30 p-1:00 a	18	3520	?	?	?	?	Hail									Mobile home overturned and destroyed by strong winds.		
									Hail averaging 3/4 inch with largest to 3 inches damaged crops in area. Storm moved from W to E.	Blountville, Sullivan County	10	p.m.			0	0	3	0	Lightning.	
11NE Redig, Harding County	17	?							Hail									Lightning fire burned interior of house.		
									Hail up to about 1 inch reported.	Bledsoe County	12	p.m.			1	0	0	0	Lightning	
Bison Area, Perkins County	18	Early							Hail									Man killed by lightning while working on farm, about 10 miles northwest of Pikeville.		
									"Moderate to severe hail damage was reported in the area."	Gatlinburg, Sevier County	12	p.m.			0	1	0	0	Lightning	
West and Central Potter County	18	Evening							Hail									Lightning injured Scoutmaster of Boy Scout Troop 124 from Birmingham, Alabama. The group was hiking along the Appalachian Trail near Russell Field when lightning struck a nearby tree. The Scoutmaster suffered second and third degree burns on his feet, and the force of the lightning "shredded" his boots. Several members of the troop were momentarily stunned by the lightning bolt but were not injured.		
Watauga, Corson County	18	Night							Hail											
									Hail up to baseball size caused roof and crop damage.											
Hamlin and Brookings Counties	19	6:40 - 8:30 p	over 10-38	200	0	0	4	0	6 or more tornadoes and 6 or more funnel clouds aloft											
									Funnel cloud first sighted about 5 miles ESE of Hayti at 6:40 p, moved E in a skipping fashion to Dry Lake where it sucked up water then ESE to NW Estelline where it touched down in an open area but skipped over Estelline and continued skipping in a direction from E to SE to the Minnesota border. It crossed the Minnesota border about 10 miles ESE of White at about 8:30 p. It damaged											

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

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)									
Memphis, Shelby County	13	p.m.			0	7	0	0	Windstorm
Seven persons were slightly injured when high winds toppled a baseball press box at Halle Stadium where they sought shelter during a heavy thundersquall.									
Center Hill Lake, DeKalb County	13	p.m.			0	0	4	0	Windstorm
High winds caused an estimated \$5,000 damage to Sligo Boat Docks. Winds snapped cables holding docks, damaged walkways and twisted metal awning cover over the main dock. A houseboat tied to the dock was crushed during the storm. No damage loss to the houseboat was reported.									
15 NE Memphis, Shelby County	13	3:40p.m.							Funnel cloud.
Waynesboro, Wayne County	14	p.m.			0	0	4	0	Lightning, wind.
Scattered damage from thunderstorms.									
Lauderdale County	14	1:10p-1:36p.	1/2	20	0	0	0	0	2 Tornadoes
Twin tornadoes, moving from west to east along parallel paths approximately 15 miles apart, touched ground in open country near Fulton and one mile west of Henning; there was no damage.									
Knox County	15	p.m.			0	0	?	?	Hail
Heavy hail fell in Knox County, damaging gardens in parts of Knoxville and Fountain City. The marble-size hail caused only minor property damage.									
Sevierville County	15	p.m.			1	1	0	0	Lightning
A 15-year-old girl was killed and her younger brother injured by lightning near the family home on Douglas Dam Road.									
Oak Ridge, Anderson County	15	p.m.			0	0	?	?	Lightning
Scattered lightning damage to utilities.									
Fayetteville (near), Lincoln County	15	6:00p.m.			0	0	4	0	Thunderstorm
Thunderstorm accompanied by driving rain and high winds damaged barn and garage, and uprooted several large trees.									
Chattanooga, Hamilton County	16	2:30a.m.			0	0	4	0	Lightning
Fire believed caused by lightning destroyed house on Valley Lane Road.									
Cleveland, Bradley County	16	3:00a.m.			0	0	4	0	Lightning
House heavily damaged by fire after being struck by lightning.									
Shelby County	16	11:20a.m.	?	?	0	0	?	?	Hailstorm
Hailstones up to two and one-half inches in diameter fell in an area about 9.5 miles northeast of Memphis International Airport. There was no report of any damage.									
93SW Millington Naval Station, Shelby County	16	12:45p.m.	?	?	0	0	?	?	Hailstorm
Largest hail reported was about 1 3/4 inches in diameter.									
Rossville, Fayette County	16	1:05p.m.							Funnel cloud.
Funnel cloud reported just north of Rossville.									
Millington, Shelby County	16	p.m.							Funnel cloud.
Funnel cloud reported 9 miles SW of Millington.									
Rossville, Fayette County	16	1:05p.m.							Funnel cloud
Funnel cloud reported just north of Rossville.									
Millington, Shelby County	16	p.m.							Funnel cloud
Funnel cloud reported 9 miles SW of Millington.									
Brownsville, Haywood County	16	p.m.			0	0	3	?	Hail
Cotton and corn damaged by heavy hailstones. Damage loss cannot be determined at present, as crops have considerable time to recover and grow before harvest. The marble-size hail caused only minor property damage.									
Memphis, Shelby County	18	4:00p.m.			0	0	4	0	Wind
Mobile home damaged by wind in northern portion of West Memphis.									
Livingston, Overton County	19	6:30p.m.			0	1	0	0	Turbulence
A sky diver was seriously injured when high winds whipped his parachute to the ground during a parachute jump. A fellow diver who jumped moments later parachuted to the ground safely. The incident occurred during an approaching thunderstorm which struck the area suddenly with strong winds and rain.									
Sumner County	19	7:10p.m.	?	?	0	0	?	?	Tornado
Tennessee (continued)									
Statewide	20-21				0	0	5	0	Flooding, wind, lightning.
There were a number of heavy thunderstorms during this two-day period, with reports of scattered damage from flooding, wind and lightning. In Weakley County, the Dresden Cooperative Observer measured 3.1 inches of rain in a 12-hour period on the 20th which flooded streams and low-lying farmlands. News reports indicated some flooding also occurred in Hardeman, Hardin, Henderson, Jefferson and Union Counties. Wind and lightning damage was reported near Jefferson City and locally in Claiborne, Johnson and Montgomery Counties.									
Bristol-Johnson City-Kingsport	26	About 4:00p.m.	?	?	0	0	3	0	Hail
Hail up to 3/4 inch in diameter fell in the Tri-City area.									
Milan, Gibson County	27	p.m.			1	0	0	0	Lightning
Lightning struck man fishing at Marvin Jones Pond in Salen community, about one mile north of Milan.									
Nashville, Davidson County	27	4:20p.m.							Wind, hail, rain.
Heavy thunderstorm caused local wind damage. At Weather Service Office, winds reached 57 mph. Hailstones, measuring up to 3/4 inch in diameter and heavy rain fell during the storm in parts of the City.									
Texas									
N Whitesboro, Grayson County	1	12:35 a							Funnel aloft
15 SW Dumas, Hartley County	2	3:00 p-4:00 p	10	*6	0	0	3	4	Hailstorm
Hail up to three inches in diameter fell in a 10-by-6 mile area southwest of Dumas. Average diameter was 1 3/4 to 2 inches. The National Weather Service radar at Amarillo indicated tops of the clouds at 50,000 feet above sea level.									
Stinnett, Hutchinson County	2	4:45 p-5:00 p	?	?	0	0	4	?	Hailstorm
Hail averaging one inch in diameter fell in Stinnett; damage was not believed to be extensive. A few stones not only were egg size, but also egg shaped, measuring about 2 1/2 inches long and 1 1/2 to 1 3/4 inches wide.									
Panhandle, Carson County	2	5:30 p-5:45 p	?	?	0	0	4	4	Hailstorm
Hail averaging 1/2 to 3/4 inch in diameter fell in Panhandle and in the surrounding area. A few stones were 1 3/4 inches in diameter and fell about 15 to 30 feet apart. Damage was minor. Some automobiles were damaged when struck by hail while traveling through the area nine miles west of Panhandle. Some fields of wheat southwest of Panhandle suffered about 14 percent damage.									
5 S Pyote, Ward County	2	10:40 p							Funnel aloft
7 N Clarendon, Donley County	3	7:55 p	?	?	0	0	4	3	Windstorm
Strong thunderstorm winds overturned two mobile homes at the Sherwood Shores resort on Green Belt Reservoir about seven miles north of Clarendon. The strong winds blew out some cotton acreage in the area that required replanting.									
Near Parnell, Hall County	3	8:15 p							Funnel aloft
8 E Dozier, Collingsworth Co.	3	8:30 p							Funnel aloft
10 SW Childress, Childress County	3	9:16 p							Funnel aloft
Near Alice, Jim Wells County	5	7:45 a							Funnel aloft
S Amarillo, Randall County	5	4:10 p-4:30 p	1/2	50	0	0	0	0	Tornado, Funnel aloft
Two funnels were observed in the area between 4 and 16 miles south of Amarillo. One of the funnels touched ground briefly in open country without causing any damage.									
15 N Sanford, Hutchinson County	5	6:00 p-6:30 p	6	*3/4	0	0	3	0	7 tornadoes
Seven tornadoes formed in an area about 15 miles north of Sanford and all touched ground within a period of less than 30 minutes. One of the tornadoes was 3/4 mile wide at the base and stayed on the ground 17 minutes. The sky was clear over Sanford and the tornadoes could be observed distinctly by people in Sanford. Very little damage resulted. The tornadoes moved from southwest toward the northeast.									

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

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)									
Near Abilene, Taylor County	7	6:30 p							Funnel aloft
		Observed about one mile west of the Wylie Community, south of Abilene.							
Northern Runnels County	7	8:30 p - 11:30 p	15	*10	0	0	5	5	Flooding, hailstorm
		Heavy rains accompanied by hail and high winds caused extensive damage to property and crops in northern Runnels County including the town of Winters. An official rainfall of 5.34 inches within three hours caused flash flooding in west Winters. Water was hip deep on Paloma Street, and on West State Street, and 30 to 40 homes received damage to carpets and floors as the water entered. The raging waters swept into parked cars in the Sunlawn addition. Hail averaged about 3/8 inch in diameter, but large stones, up to three inches in diameter, knocked out all windows on the north side of the Win-Tex Cattle Feeders office building, about three miles northwest of Winters. Property damage, due mainly to flooding, was estimated at \$100,000. Some fields of cotton and milo were totally destroyed by the hail or by flooding. Some livestock were drowned.							
Hardeman County	8	?	?	?	0	0	3	5	Hailstorm
		A vicious hailstorm swept through the northwest part of Hardeman County cutting a swath some 350 yards wide. The hail lasted 25 minutes and caused almost total damage to crops and considerable damage to buildings. Heaviest damage was in the Hooley Community. Hailstones were reported as "measuring five inches across".							
W Hereford, Deaf Smith County	8	3:45 p							Funnel aloft
S Dalhart, Hartley County	8	4:35 p - 4:50 p	2	100	0	0	0	0	2 Tornadoes
		Two tornadoes were spawned from the same thunderstorm cloud south of Dalhart. One touched ground about 4:35 p.m., the other about 4:50 p.m.; each stayed on the ground approximately five minutes. One of the tornadoes was at least 100 yards wide at the base. The tornadoes moved toward the northeast. They struck in open ranch land and did not cause any damage.							
Hart and vicinity, Castro and Swisher Counties	8	5:00 p - 6:00 p	12	6	0	0	5	6	Hail and windstorm
		A devastating hail and windstorm caused an estimated \$4,500,000 damage to crops and \$60,000 damage to property in a 12-by-6 mile area in the southwest corner of Castro County and the southwest corner of Swisher County. Hardest hit were the Nanny Farms and Center Plains areas. Fields of young cotton were destroyed, wheat in head was destroyed, and about 1/2 mile of REA utility poles were blown down. At the Bill Rich and Max Marble homes, windows were sucked out of their frames, antennas were blown down and telephone service was disrupted. Sheet steel and tanks were scattered into fields, doors of farm sheds were blown off. Corn and milo were stripped but not killed. Onion and potato crops were destroyed.							
		Hailstones averaged 3/4 inch in diameter, and covered the ground in places to a depth of 12 inches. Largest hailstones were 2 inches in diameter.							
Floyd County	8	5:30 p - 9:30 p	30	*30	0	0	5	6	Hailstorm
		Hail, ranging in size from 1/4 inch to 3/4 inch in diameter in most areas and up to 1 3/4 inches near the South Plains Community, raked most of Floyd County. Sustaining hail damage were areas around Lockney, Irlek, Pleasant Valley, Nuncy, South Plains, Sterley, Lone Star and Providence. Hail covered to ground to a depth of six inches in places. Hundreds of acres of cotton, wheat and soybeans were devastated. Total crop damage was estimated at 1 million.							
19 NW Amarillo, Potter County	8	5:45 p							Funnel aloft
Wichita Falls, Wichita County	8	5:50 p - 5:51 p							Funnel aloft
5 N Wheeler, Wheeler County	8	6:40 p							Funnel aloft
5 S Tullia, Swisher County	8	7:16 p	15	50	0	0	4	0	Tornado
		A tornado overturned a mobile home on the L. L. Watson farm about 15 miles west of Kress. The tornado moved northeastward, where it overturned three more mobile homes about five miles south of Tullia. A number of utility poles were blown down in the path of the storm.							
Kress, Swisher County	8	7:30 p	30	?	0	1	5	6	Windstorm, hail, lightning
		Severe thunderstorm winds struck the Kress area while destructive hail cut a swath 30 miles long across Swisher County farmland. Both the Lively Bagley Gin and the Co-op Grain Storage Company suffered damage to buildings and equipment. Sheet steel was blown out of both ends of the Co-op Grain Storage building. Two							
Texas (continued)									
		box cars on the siding near Hipp Grain Company were overturned and the office building of the Grain Company was unroofed. Henry Snell and his daughter, Kathy, were riding in a pickup truck near the Lively Bagley Gin when the vehicle was picked up and set off the road. They were badly shaken but unhurt. Mr. C. G. Lawler was injured when struck by flying debris. At Claytonville, the office building of the BFW Grain Company was destroyed. Lightning caused a fire which resulted in \$50,000 damage to the Morton Grain Elevator.							
Plainview and vicinity, Hale County	8	7:45 p	?	?	0	0	3	0	Windstorm, 2 funnels aloft
		In Swisher County, hail 1/4 to 3/4 inch in diameter caused an estimated \$1,200,000 damage to 30,000 acres of cotton, and to milo, corn and soybean crops.							
		Severe updrafts that caused dirt to rise from the ground several thousand feet into the air occurred beneath a "shallow but very turbulent" cloud cover over Plainview. Ground wind near these updrafts produced "vacuum" and roaring sounds. In the northern part of Plainview, the wind caused minor damage to fences, television antennas and tree limbs. Two funnels were observed about five miles north of Plainview but neither touched ground.							
8 SW Berger, Hutchinson County	8	8:14 p							Funnel aloft
Amarillo, Randall County	8	8:45 p							3 funnels aloft
		Several funnel clouds formed over the south part of Amarillo. The funnels would drop down to a few feet from the cloud base then recede into the cloud.							
10 SW Cee Vee, Motley County	8	10:40 p							Funnel aloft
SW Childress, Childress County	8	10:55 p							Funnel aloft
10 E Estelline, Childress County	8	11:20 p - 11:32 p							Funnel aloft
N-NE Sunray, Sherman County	9	5:00 p - 8:30 p	5 3/4	* 3/4	0	0	3	4	4 Tornadoes, 5 funnels aloft
		Nine funnels, of which at least four touched ground, were observed in the southeast corner of Sherman County, north and northeast of Sunray. As many as three funnels were observed on the ground at the same time. The largest tornado, estimated to be one-half to three-quarters mile wide, stayed on the ground approximately 19 minutes. This tornado was seven miles north and six miles east of Sunray. It traveled south-southwest for 5 3/4 miles. Gary Lunt was within one-half mile of the large tornado. He said that he could outrun it on foot because it was traveling so slowly. The four tornadoes and five funnel clouds were grouped in the area from approximately three miles north and two miles east of Sunray to the Coldwater community which is approximately 20 miles north-northeast of Sunray. Property and crop damage was minor due to the fact that the tornadoes struck on open farm and ranch land. General movement of the tornadoes was from north to south.							
Near Morse, Hutchinson County	9	7:00 p	3	* 1/2	0	0	3	3	Tornado
		A tornado formed about three miles east and slightly south of Morse. Witnesses said it hovered for a long time - 20 to 30 minutes - before it began to move in a north-northeasterly direction. Several residents of the area took photographs of the tornado, as did the Berger News-Herald staff photographers, Don Rice and Larry Nance, while it was virtually immobile. Since the tornado was on open ranch and farm land, there was little damage.							
Swisher County	9	7:00 p - 7:15 p	?	?	0	0	5	6	Hailstorm, heavy rain, funnel aloft
		Hail and heavy rains damaged about 32,000 acres seeded to cotton in Swisher County with the extent of the damage estimated at 65 to 100 percent. About 2,000 acres of corn were severely damaged. Hailstones averaged 1 inch in diameter with largest stones 1 1/2 inches in diameter. One funnel cloud aloft was sighted in the storm area.							
S Gruver, Hansford County	9	8:50 p	15	*2	0	0	4	4	2 Tornadoes, hailstorm, numerous funnels aloft
		The largest tornado on record in Texas touched ground in Hansford County, southwest of Gruver, then followed a meandering 15-mile course south, east, then northeast of Gruver. The huge funnel came down first over range land south of FM 2018 and west of S.H. 136, southwest of Gruver. It moved northeastward and destroyed two mobile homes one-half mile south of the DCC Feedlot, then veered sharply eastward, moving in this direction until it cleared S.H. 136, one mile south of the intersection with FM 2018. The tornado crossed S.H. 136 at a 90° angle, toppling 27 power poles and splintering them like matchsticks. The path of damage was two miles wide at this point. The tornado then turned northeastward and toppled a windmill on the Nelson farm, then turned more toward the north, where it crossed FM 2018, three-quarters of a mile east of the S.H. 136 intersection, and took out more power line poles. As it crossed FM 2018, the path of damage was 1 1/2 miles wide.							

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Texas (continued)									
			<p>The tornado continued north-northeastward, crossing S.H. 15, five miles east of Gruver, and destroyed one-half mile of double pole line as it crossed. The tornado was not in contact with the ground continuously along its 5-mile path.</p> <p>Earl P. Shields, Cooperative Weather Observer, and employee of Southwestern Public Service, was dispatched from Stinnett by the company to observe the storm. Mr. Shields watched the giant tornado for about one hour from a spot on S.H. 136 approximately seven miles south of Gruver. He was two miles south of the point where the tornado crossed S.H. 136. There were numerous funnel clouds underneath the cloud base, and Mr. Shields saw another funnel cloud touch ground about 10 minutes before the giant tornado crossed S.H. 136. He reported both funnels were in contact with the ground at the same time. About one minute before the giant tornado crossed S.H. 136, Mr. Shield reported that he heard a very shrill whistle. The tornado moved very slowly and visibility was excellent. Witnesses reported seeing the giant funnel from as far as 25 miles away. The parent cloud was not a large one, and observers underneath the cloud base could see out clearly in all directions.</p> <p>Eye witnesses reported as many as 20 funnel clouds sighted throughout the night.</p> <p>J. C. Harris, who has lived in the Gruver area more than 55 years, said, "There were the most funnels I've every seen in my life. I'd judge there were somewhere between 15 and 20 funnels, and less than half touched the ground." (Due to the excellent visibility, Mr. Harris probably witnessed tornadoes and funnel clouds in neighboring counties reported elsewhere in this issue of STORM DATA.)</p> <p>Because the giant tornado struck on open farm and ranch land, damage was minor. Property losses were estimated at \$15,000. After first pursuing a course that would have taken it into or very near Gruver, the awesome funnel appeared to take a deliberate detour around the town.</p> <p>Hailstones averaging one inch in diameter damaged fields of ripened wheat in the area; some fields of wheat were a 50 percent loss. The largest hailstones were two inches in diameter. Crop damage due to hail was estimated at \$50,000.</p>						
Floyd and Crosby Counties	10	4:00 p	?	?	0	0	4	5	Hail and windstorm, funnel aloft
			<p>Hail and high winds lashed the southern portion of Floyd County, southwest, south and east of Floydada, and the northwest corner of Crosby County. Crop damage to ripened wheat and young cotton was estimated at 100 percent in some areas. Hailstones averaged about 3/4 inch in diameter, but stones ranged upward to 2 3/4 inches in diameter. A funnel cloud aloft was spotted four miles north of Lorenzo.</p>						
17 E Lubbock, Lubbock County	10	4:00 p							2 funnels aloft
NW Childress, Childress County	10	5:57 p							Funnel aloft
Near Glazier, Hemphill County	10	6:30 p							Funnel aloft
Near Coldwater community, Dallam County	10	6:55 p							Funnel aloft
Paducah, Cottle County	10	7:20 p-11:20 p	?	?	0	0	4	4	Wind and hailstorm
			<p>Severe thunderstorm winds, estimated at 80 miles-per-hour left a path of devastation through Paducah. Damages in the thousands of dollars were reported at Paducah Motor Co. where the west wall of the shop building was pushed outward and the caved-in roof crushed five vehicles, four of which were severely damaged. A 35-foot high bronze steeple, valued at \$5,000, at the First Baptist Church, was blown to the ground at the front of the church and demolished. Trees were uprooted over town, shingles blown away and at Fan-O-Freeze drive-in, the steel awning over the parking area was torn away and wrapped around a utility pole. Hail pounded the area intermittently for about four hours.</p>						
20 SW Lockney, Hale County	11	Afternoon							Funnel aloft
3 S Kress, Swisher County	11	Afternoon							Funnel aloft
New Deal Community, Lubbock County	11	3:30 p-4:10 p	10	*4	0	0	3	4	Hailstorm
			<p>Hail fell in a 10-by-4 mile area, beginning about four miles west of the New Deal Community and extending five or six miles north-east of this community. Hailstones averaged one-half inch in diameter, but the largest stones were 1 3/4 inches in diameter.</p>						
2 1/2 E Adrian, Oldham County	11	4:00 p-4:02 p	**200	20	0	0	3	0	Tornado
			<p>A small tornado demolished a 40-by-8 feet building and lifted the debris about 80 feet in the air. The corner of an airplane hanger received minor damage. The tornado, which struck about</p>						
Texas (continued)									
			<p>2 1/2 miles east of Adrian, stayed on the ground for about 200 yards before lifting, and the path of damage was approximately 20 yards wide. Damage was estimated at \$1,000. The hanger was at Caprock Flying Service; the small building was nearby.</p>						
Friena, Farmer County	11	4:28 p-5:00 p	10	*6	0	5	6	4	Windstorm, rain, hail, funnel aloft
			<p>Severe thunderstorm winds caused an estimated \$500,000 damage to property as they swept a sporadic 10-by-6 mile path through Friena. Four business buildings were unroofed, five residences suffered roof damage. One airplane was demolished and four trailer houses were demolished. Five persons were injured but none seriously. The Missouri Beef Packers Plant, three miles southwest of Friena sustained heavy damage to the roof of its building - total damage was estimated at \$50,000. Several automobiles were damaged when the wind blew them together on the Missouri Beef Company parking lot. An airplane leased by D&amp;D Farm Services was blown one-quarter mile and demolished. One trailer house was picked up and tossed about 20 feet landing on its top and being crushed like a cracker box. Mrs. Mike Velasquez and her three-year old daughter were in the house at the time, but were not injured seriously.</p> <p>One funnel cloud was observed aloft directly over the Friena Mobil Estates trailer park. The funnel was estimated to be about 50 yards wide and about 300 feet in the air. The storm moved from southwest to northeast.</p>						
Hale, Castro, Lamb and Swisher Counties	11	6:00 p-9:00 p	30	?	0	0	4	5	Heavy rain
			<p>Heavy rains, up to 1 1/2 to 2 inches within 30 minutes damaged young cotton crops between Hart in Castro County and Plainview in Hale County. The area included the northeast corner of Lamb and the southwest corner of Swisher Counties. At Plainview, 1.70 inches of rain between 6:30 and 7:00 p.m. caused the roof of the Sacred Heart Catholic Church to cave in due to the weight of the water on the roof. Water ran into Hansowers Furniture Mart, 726 Broadway, flooding the floor of the store.</p>						
Near Tulia, Swisher County	11	6:00 p							Funnel aloft
Phillips, Hutchinson County	11	Evening	**10	6	0	0	2	0	Tornado
			<p>A small tornado bounced down, hit a Phillips 66 Service Station then went right back into the cloud. Dale Fortune, an employee of Tom's 66 Station, was inside the station when a friend called him to come out quickly. There he saw a tornado funnel swooping down.</p>						
Lelia Lake, Donley County	11	8:20 p							2 funnels aloft
10 SW Childress, Childress County	11	10:10 p							Funnel aloft
Castro County	12	5:00 p-6:00 p	?	?	0	0	3	5	Hail and heavy rain
			<p>Torrential rains and heavy hail cut an east-west swath of damage across Castro County. Corn stalks were reduced to stubs, cotton and wheat were gone and only mello remained after the storm. The heaviest damage was along a line through Bethel, Dimmitt and Nazareth. West of Dimmitt, Fred Buegel, Sr., lost about 960 acres of corn, cotton and wheat. He said about 2 1/2 inches of rain fell during the storm. In the Bethel community, Mrs. Charles Wales said they were completely haled out. The Nazareth area was hit hard by the storm, especially east of town. In Dimmitt, lawns were covered with a sheet of hail after the storm.</p>						
Stratford, Sherman County	12	7:35 p	?	?	0	0	4	0	Windstorm, funnel aloft
			<p>Thunderstorm winds estimated at 90 to 100 miles-per-hour in gusts raked Stratford, scattering tree limbs, tipping strips of sheet metal from buildings, pulling off shingles from homes and damaging signs. A funnel aloft was spotted just south of town, but none over the city proper. A large portion of the roof of the David McBryde home was blown away. A large windbreak north of the town on the Dick Diehl place was blown down and several large stock tanks at Consumers and Van Boston's were blown from their resting place. A small portable building at the location of Stratford Ag Chemical was destroyed.</p>						
ESE Dalhart, Hartley County	13	2:25 p-2:30 p							2 funnels aloft
6 N Borger, Hutchinson County	13	4:30 p-4:40 p	1	20	0	0	0	0	Tornado
			<p>A tornado formed over the dry bed of the Canadian River, north of Borger, and moved eastward through the river "breaks" without causing any damage. The tornado was witnessed by a number of persons, including the Cooperative Weather Observer at Borger,</p>						

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
Texas (continued)									
		Mr. Arthur W. Morgan, who gave the following, remarkably descriptive account of the storm.							
		"Unlike the previous four days for which severe weather forecasts and tornado watches and/or warnings were issued, thunderstorms were less numerous and more widely scattered on the afternoon of the 13th. The storm from which the funnel later appeared was rather small in area and rainfall light as it formed along the Canadian River 6 to 8 miles northwest of Berger. The storm intensified somewhat as it moved east. At approximately 5:25 p.m., C.D.T., a mass of rotating clouds appeared at the base of the storm cloud just east of the Highway 15 bridge over the Canadian River (S.R. 136 and 152 cross the river on the same bridge). A dust devil or whirlwind first appeared on the ground in the riverbed and filled with dust, then ascended about 200 feet. Then a white vapor filled funnel descended from the rotating clouds above, and began dropping toward the ground but stayed aloft. There was a barely visible connection from the funnel to the whirlwind on the ground. However, it did not fill with debris or vapor to become a continuous cloud to ground funnel or tornado as such. The whirlwind moved along to the east about a mile then dissipated. The funnel from the cloud lifted, narrowed and formed some unusual shapes resembling a pig's tail and tying into one knot, then two knots before dissipating. No heavy rain, hail or high winds was experienced."							
		A cameraman from station KULL-TV in Amarillo, Texas just happened to be driving on S.R. 15 near the Canadian River bridge, and took some remarkable motion pictures of the cloud and funnel.							
Near Macdona, Bexar County	13	8:02 p- 8:03 p	**20	7	0	0	0	0	Tornado
		A small tornado touched down briefly near the Macdona community, about three miles west-southwest of San Antonio. There were no damages or injuries.							
Ranger, Eastland County	15	3:00 p- 3:34 p	2	20	0	0	4	0	Tornado, windstorm, hail
		A tornado dipped down in a field near 605 S. Hodges Street in Ranger where it caused about \$13,000 damage to barns, boats, a tractor, and one stone vander home. Strong straightline winds caused an additional \$2,000 damage. Hail averaging 5/8 inch in diameter, fell during the storm; largest stones were one inch. Some plate glass windows were blown out by the high winds. The storm came out of the east-southeast, traveling northwestward, then "switched directions." Wind damaged a motel building and maintenance garage about one mile north of the Ranger Post Office. Some trees were uprooted.							
Floyd County	15	Night	?	?	0	0	4	6	Heavy rain and hailstorm
		Heavy rains and hail caused widespread crop damage in the northwest portion of Floyd County. Areas around Sterley, Lockney, the area north of Lockney and the Pleasant Valley community south of Lockney suffered the greatest damage. Some crops, especially cotton, were completely wiped out by the hail.							
Texas City, Galveston County	16	11:15 a	**10	10	0	0	0	0	Tornado
		A small tornado touched down at the Lemans Apartments in Texas City and lifted two children up and out of a swimming pool without injuring either.							
		"It just lifted me out of the pool," nine-year-old Terry Malone said.							
		"It was dead still," Mrs. Ruby Malone, Terry's mother said, "then all of a sudden I could see a complete circle of wind around the pool."							
		Terry was in the pool swimming along with Francie Reichelderfer, 12, who also lives at the Lemans, and her guest, Lana Gail Lewis, 13, when the wind started blowing.							
		Terry said he was underwater when the wind started blowing and when he came to the surface it blew him against the side of the pool.							
		"I tried climbing up and the wind knocked me down. Then it just lifted me up over the side and I was running. I fell, got up and then almost went through a window of a nearby apartment", he said.							
		"I could see he wasn't moving on his own", his mother said.							
		"It pushed me right out of the pool", Francie Reichelderfer said and Lana Gail Lewis said the wind pushed her from the middle of the pool to one side.							
		Others at the apartment complex told of a barbecue grill being propelled down a second floor porch and everyone agreed that the whole thing only lasted a few hair-raising seconds and it was all over.							
Near George West, Live Oak County	18	4:45 p							2 funnels aloft
2 SW Corpus Christi, Nueces County	19	11:02 a							Funnel aloft
San Antonio, Bexar County	19	11:50 a- 12:11 p							Funnel aloft
Texas (continued)									
Crosby, Harris County	20	7:05 a	1/4	50	0	20	5	0	Tornado
		A tornado struck the Apache Trailer Court, Garth Road and S.H. 142 in Crosby, and injured 20 persons. Most seriously hurt was Mrs. Muri Link 19, who suffered facial cuts and was hospitalized. Eleven mobile homes were damaged and seven were destroyed. Total property damage was estimated at \$75,000. Movement of the tornado was estimated to be toward the north at 10 miles-per-hour.							
Near Morgan's Point, Harris County	20	7:15 a							Funnel aloft
4 N Alvin, Harris County	20	8:30 a	1/4	20	0	0	0	0	Tornado
		A small tornado touched down in open farmland about four miles north of Alvin. There was no damage.							
15 NNE Rockport, Refugio County	20	8:35 a							Funnel aloft
Houston, Harris County	20	9:06 a- 9:30 a							2 funnels aloft
		One funnel cloud was observed five miles south-southwest of Hobby Airport; the other over the intersection of the Gulf Freeway and Fuqua Street.							
16 SW Texarkana, Bowie County	20	3:58 p							Funnel aloft
10 N Abilene, Jones County	20	5:50 p	?	?	0	0	0	0	Hailstorm
		Hail up to 1 1/2 inches in diameter fell in southeastern Jones County, north of Abilene. There was no report of any damage.							
20 SW San Angelo Airport, Irion County	21	8:05 a	**200	100	0	0	0	0	Tornado
		No damage. Tornado moved toward the east-northeast.							
25 SW San Angelo Airport, Irion County	21	8:25 a	1/4	100	0	0	0	0	Tornado
		No damage.							
NE Baytown, Harris County	21	12:05 p							Funnel aloft
San Antonio, Bexar County	21	1:00 p							2 funnels aloft
		Observed over the southwest part of the city and moving northward.							
10 SSW Kingsville, Kleberg County	21	1:30 p							Funnel aloft
17 N Waco, McLennan County	21	3:30 p	**200	10	0	0	2	0	Tornado
		A small tornado touched ground on a farm about five miles north of the Gholson community and destroyed a barn. Damage was estimated at \$800.							
12 WSW Brady, McCulloch County	21	5:18 p							Funnel aloft
15 S Big Spring, Glasscock County	22	9:50 a							Funnel aloft
Orange, Orange County	22	4:15 p- 4:17 p	**50	17	0	0	4	0	Tornado
		A small tornado touched down briefly in the Pinehurst section of Orange on the west side of the city. Numerous trees were uprooted which knocked down some utility lines. Total damage was estimated at \$8,000. The tornado moved toward the northeast.							
Texas City, Galveston County	25	8:12 a- 8:22 a	**10	6	0	0	2	0	Tornado, 4 funnels aloft
		A very small tornado touched down briefly in a "one point landing" at 16th Street and 2nd Avenue North in Texas City. The only damage was a small fence which was blown down. Garbage cans were blown around and a few trees were damaged. Four other funnels were observed at about the same time but these remained aloft.							
5 W Alief, Harris County	26	11:58 a							Funnel aloft
12 WSW Houston, Fort Bend County	26	12:00 p							Funnel aloft
10 SW Sabinal, Uvalde County	28	4:00 p- 4:20 p	**50	33	0	0	0	0	Tornado, funnel aloft
		A small tornado touched ground briefly in brush country southwest of Sabinal. There was no damage. One funnel remained aloft.							
Laredo, Webb County	28	5:10 p- 9:45 p	?	?	0	0	5	0	Flooding
		An official measurement of 4.40 inches of rain in two hours and 10 minutes, between 6:00 p.m. and 8:10 p.m., sent normally dry creeks in Laredo on a rampage. Flooding the downtown area, and residential areas along the creek banks, and forcing about 500 persons from their homes. Zacaite Creek swirled from its banks							

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

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)									
									<p>sending two to five feet of water flowing through many homes and flooding 30 to 40 square blocks of the downtown area with two feet of water. Waist-deep water was reported on Convent Avenue, the street leading to the International Bridge. Areas affected were East and South Laredo, mainly along Chacon Creek, and the central portion of the city from North Laredo along Zacate Creek south. Waters of the Rio Grande, swollen from heavy rains upstream crested at 38.5 feet between 4:00 and 5:00 a.m., at Laredo 3 1/2 feet above flood stage. The river came to within one-half foot of the bottom of the International Bridge. Property damage was not extensive, confined mostly to floors and merchandise in stores, and to floors and some household furnishings in homes.</p>
Mirando City, Webb County	29	8:15 p - 8:30 p	**400	33	0	0	4	0	Tornado
									<p>A tornado swept through Mirando City and caused considerable damage to the roofs and windows of the Mirando City high school and elementary school buildings. Some residential property suffered minor damage. Total property damage was estimated at \$10,000.</p>
Utah									
Davis, Iron, Salt Lake and Weber Counties	11	07:30 a. to 8 p.							Funnel Clouds
									<p>A series of funnel clouds were sighted over the state but none appeared to touch the ground. The first was sighted over Promontory Point about 07:30 AM just some 15 miles west of Ogden. The second developed over the Northern tip of the Ogquirrh mountains about noon. Several very small funnels were sighted over Great Salt Lake between 12 and 12:30 PM. The last report was from a pilot 20 miles south of Cedar City who reported a funnel cloud at 07:45 PM.</p>
Vermont									
Central and Southern	8				0	0	4	0	Wind, lightning
									<p>Lightning killed 6 cows in Barre in a morning thunderstorm. Heavier thunderstorms struck southern Vermont at mid-day and in the afternoon, with many trees and utility wires felled and some homes damaged. Many trees and lines were felled at Poultney. Wind gusts to 65 mph were reported from Chester and Bellows Falls. The Springfield area was also hard hit. A lightning felled tree crashed into a home in Bellows Falls. Hail in some areas but no damage known.</p>
Southern	25	P.M.			0	0	4	0	Wind, lightning, rain
									<p>Thunderstorms were locally damaging. Wind felled trees and caused utility outages. Local flooding and washing rains.</p>
Addison	30	1:50 p.m.			0	0	3	3	Hail, wind
									<p>Thunderstorms with strong winds and hail to 1 inch size.</p>
Virgin Islands									
None reported									
Virginia									
Augusta County	3				0	0	3	0	Hail, rain, lightning
									<p>Hail described as the size of golf balls broke windows and ripped convertible tops in the Sherando and Stuarts Draft areas. High water forced the evacuation of 3 houses in the same areas. Scattered electric outages were reported and several small earth slides occurred on U. S. 50 east of Waynesboro.</p>
Augusta County	6				0	0	3	0	Hail, wind, rain
									<p>Hail 1 3/4 inches in diameter fell near Greenville. Falling trees and branches interrupted utility service in Staunton. Hail the size of mothballs was also reported with one plate glass window shattered. Heavy rain eroded banks and driveways and local flooding occurred in the Selma section.</p>
Montgomery County	6				0	0	4	C	Rain
									<p>Flash flooding occurred on the tributaries of the Roanoke River. Christiansburg mountain was especially affected with U. S. 11-460 having to be closed for 2 1/2 hours causing a traffic jam of several hundred vehicles. Several houses and basements were damaged by water with some having to be evacuated. One trailer was washed against a car and a tree. A number of private bridges were washed out and one on a secondary road. A number of secondary roads were damaged and had to be closed. A large leaking gas tank was washed onto the main highway. A car was washed against a utility pole and a truck was washed downstream and overturned. Many gardens and fields of crops were washed away or covered by debris.</p>
Rockingham County	7				0	0	4	0	Wind
									<p>A storm centered over Harrisonburg with rain, hail, and severe winds completely destroyed a large tent belonging to evangelist Billy Walker.</p>
Frederick and Warren Counties	7				0	0	4	0	Lightning, Wind
									<p>Lightning was responsible for a fire causing extensive damage to</p>
Virginia (continued)									
									<p>an old historic house and its contents 3 1/2 miles north of Winchester. High winds near Reliance uprooted trees, upset several small buildings, and damaged roofs of several houses and barns.</p>
Roanoke	7	10:58 p.m.			0	0	5	0	Wind, Rain
									<p>High winds associated with a thunderstorm damaged 13 aircraft and completely demolished a mobile home used as an office at Woodrum Airport. In the general area many trees, utility lines, and signs were downed; roofs were damaged and a big slide at the Lakeside Amusement Park was severely damaged. Heavy rain flooded basements and caused considerable damage to the contents of one commercial establishment.</p>
Lynchburg	8	Near 4 p.m.			0	0	4	0	Wind, Lightning
									<p>High winds downed 20 to 25 trees and damaged roofs and siding to several buildings. Utility lines were down in several areas from falling trees and lightning strikes.</p>
St. Paul	17	4 p.m.			0	0	5	0	Rain, Wind
									<p>Heavy rain up to 4 inches flooded streets, basements, and caused earth slides. High winds downed trees and signs. One wall of a parking lot was demolished. One car was caught in an underpass where water reached a depth of 7 feet. An earth slide covered part of the St. Paul athletic field crushing a baseball dugout. One house had a hole in its wall and was moved on its foundation. Serious erosion damaged streets and ditches and washed soil and debris onto other property.</p>
Pulaski County	22	Night			0	0	3	0	Rain
									<p>Heavy rain caused local flooding in the Dublin, Parrott, New River, and Allisonia areas. The equipment belonging to the Pulaski County Life Saving Crew was damaged by High water. Several roads and bridges were covered with water and debris and a few people were marooned for a short time.</p>
Richmond Area	28	4:45 p.m.			1	1	3	0	Lightning, Rain
									<p>One man was killed and a boy injured by lightning near the Willow Oaks Country Club. Two houses and the Gedertown Apartments were struck by lightning. Scattered utility outages were caused by falling trees and lightning strikes. Heavy rain caused local minor flooding.</p>
Henry and Pittsylvania Counties	29	Aftn			0	0	4	C	Lightning, Hail, Rain
									<p>Lightning caused fires burned a mobile home and a barn and destroyed the wiring of a house in the Spencer-horsepasture areas of Henry County. Four buildings in Danville were struck by lightning with mostly minor damage. Scattered utility failures occurred and hail and rain damaged gardens and crops.</p>
Harrisonburg	29	3 p.m.			0	0	3	0	Rain, Lightning
									<p>Heavy rain flooded several streets with some pavement damage. Twenty seven basements were flooded. Utility service was interrupted and many trees were downed.</p>
Washington									
None reported									
West Virginia									
Wallace, Harrison County	5	5 p.m.			0	0	4	0	Flash flood
									<p>A violent thunderstorm dumped over one inch of rain and one inch diameter hail stones between 4 and 5 p.m. at the Jane Lew weather station. Water rose to an 8-foot depth in the community of Wallace from Little Ten-Mile Creek and forced the evacuation of over 500 residents. A house trailer was overturned by the force of the water and 30 homes and 9 business establishments sustained damage. Many cars were damaged by the floodwaters.</p>
Morgantown	5	5 p.m.			0	0	4	0	Lightning
									<p>A lightning bolt, possibly traveling down a steel conveyor belt, tore away the southwest corner of a cement block University Avenue commercial building, fortunately sparing two fuel tanker-trucks parked inside.</p>
Kingwood, Preston County	14	9:15 p.m.			0	0	3	0	Lightning
									<p>Lightning struck an unoccupied building and the resulting blaze caused an estimated \$2500 damage before volunteer fire units extinguished it.</p>
Point Pleasant, Mason County	25	9 p.m.			0	0	3	0	Windstorm
									<p>During a heavy thunderstorm, a tent over a roller rink was blown down and completely destroyed. Fortunately, it occurred at closing time and there were no injuries.</p>
Charleston	26	2 a.m.			0	1	4	0	Lightning
									<p>Lightning set a Route 6 home on fire which was completely destroyed. A woman occupant received burns on her foot when burning roofing tar splashed down. Two vacant homes were also destroyed by lightning-induced fires. There were many power outages.</p>
Parkersburg	29	6 p.m.			0	0	4	0	Windstorm
									<p>Wind associated with a small but intense thunderstorm did considerable minor damage throughout the area. A barn on a Route 14 farm had several uprooted trees lying across it. Another tree knocked the gable from the farm house.</p>

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1971

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										
Lafayette County	1	3:45 p	25	100	0	0	4	0		Tornado
	Tornado moving eastward touched down SW Shullsburg destroying or damaging buildings on 3 farms. Funnel reported at South Wayne 20 miles to the east at 4:35 p.									
Iowa County	1	5:35 p			0	0	0	0		Hail
	Hail 1-3/4" diameter near Ridgeway.									
Green, Rock and Walworth Co.	1	5-9 p			0	0	5	0		Funnels aloft, wind lightning
	Numerous reports of funnels aloft from around Beloit. Some wind damage north of Beloit and at Delavan and Elkhorn. Lightning damage to homes and transformers at Fort Atkinson and Mukwonago.									
St. Croix County	4	7:40 p	5	100	0	0	4	0		Tornado
	Tornado moving northeastward damages several farms 3 SE Roberts and uproots trees. Two funnels aloft reported over New Richmond. Also heavy rain and large hail in area.									
Rock, Walworth and Kenosha Counties	6	5 a			0	0	5	0		Wind
	Many trees twisted or uprooted along line from Beloit to Kenosha. Also damage to overhead wires. Transmitter tower lost at Beloit. Damage widespread in Silver Lake area.									
Dodge County	6	6:30 a			0	0	4	0		Hail, wind
	Minor damage at Horicon									
Jackson County	6	8:15 p			0	0	0	0		Funnel aloft
	Funnel aloft at 20 NW Black River Falls.									
Crawford County	6	10:55 p			0	0	0	0		Funnel aloft
	Funnel aloft at 5 SW Lynxville.									
Vernon County	6	11:00 p			0	0	4	0		Lightning
	Fire destroys machine shed, granary and garage on farm near Chaseburg.									
Winnabago County	6	11:15 p	3	50	0	0	4	0		Tornado
	Small tornado moving eastward demolished one barn and damaged several others on Highway 25 about 5 SW Oshkosh.									
Fond Du Lac County	6	11:30 p			0	0	4	0		Lightning
	Barn burns at Campbellsport with 3000 bales of hay and some machinery.									
Grant County	7	1:05 a	5	100	0	0	4	0		Tornado
	Tornado moving northeastward destroys buildings on Wayne Clark farm between Bagley and Wyalusing. Mobile home upended at Holiday Haven.									
Pepin County	7	1:40 p	1		0	0	0	0		Tornado
	Tornado moving eastward reported 5 W Durand.									
Juneau County	8	2:20 a			0	0	3	0		Lightning
	Railroad shed with crossing signals destroyed by lightning fire near New Lisbon.									
Outagamie County	12	12:45 p			0	0	0	0		Hail
	1 inch hail near Appleton.									
Oconto and Marinette Counties	12	4:30 p	2	100	0	1	4	0		Wind
	Five farm buildings and one house trailer destroyed or damaged by straightline winds moving eastward through county line area near old Highway 11. One woman occupant of house trailer injured.									
LaCrosse County	12	8:30 p			0	0	3	0		Wind
	Several trees down in thunderstorm damaging wires and parked cars.									
Monroe County	12	9:00 p			0	0	4	0		Wind
	Scattered wind damage in Tomah area.									
Calumet County	12	9:30 p			0	0	5	0		Wind, hail
	High winds with thunderstorms uprooted trees in Chilton area. Some damage to homes and farms. An airplane, tied down at New Holstein Municipal Airport, flipped over and damaged.									
Columbia County	12	11:40 p			0	0	0	0		Funnel aloft
	Funnel aloft reported near Portage.									
Southeast Quadrant of State	13	Early am			0	0	5	0		Wind, hail, lightning
	Scattered wind and hail damage in many communities. Trees down at Wisconsin Dells, Dalton and Whitewater. Barn fire set by lightning destroys Montello farm.									
Winnabago County	13	4:30 p	1/4	50	0	0	0	0		Tornado
	Small tornado reported by public 8 NW Oshkosh. Many trees down in small grove.									
St. Croix County	16	pm			0	0	4	0		Lightning
	Two lightning fires at Emerson residence and on Albert Nelson farm near Clear Lake within minutes of each other.									
Trempealeau County	16	2:30 p			0	0	4	0		Wind, hail
	Strong thunderstorm winds and hail the size of golf balls did scattered damage in Whitehall area.									
Wood County	16	5:15 p			0	0	3	0		Wind
	Scattered wind damage near Wisconsin Rapids.									
Dane County	18	1 p	1	100	0	0	4	0		Tornado
	Small tornado touched down briefly destroying buildings on Edgar Judd farm north of Belleville.									
Wisconsin (continued)										
Marinette County	18	1:45 p	4	100	0	0	4	0		Tornado
	Two tornadoes from same cloud touched down near Highway 64 and Right-O-Way Road SW Marinette. Many trees uprooted and several resort and farm buildings damaged.									
Jefferson County	18	3:20 p	5	100	0	1	4	0		Tornado
	Tornado moved eastward along Highway 18 did scattered damage in Sullivan area. One person injured at Gard residence where top 40 feet of 130 foot communication tower snapped off and large tree fell on \$7,000 car. One truck camper destroyed and three damaged when thrown several hundred feet through air at R-Z Travel, Inc. about 3/4 E Sullivan. Also damage to other trailers.									
State	18				0	0	5	0		Lightning
	Lightning fires destroyed home at Rice Lake, a cottage and barn at Minoqua, a farm near Appleton and did damage to several Sauk County homes.									
Pierce County	19	5 a			0	0	4	0		Lightning
	10 cows killed under tree on pasture on Town of Spring Lake farm. Barn near Elmwood struck by lightning and burned to ground.									
St. Croix County	19	6:45 a			0	0	4	0		Lightning
	Two cars destroyed and garage gutted by fire set by lightning.									
Clark County	19	8:30 a			0	0	4	0		Lightning
	Two herds of milk cows, one at Wallville and one at Granton, killed by lightning. A total of 30 heads of stock lost. Cattle were under trees in pastures.									
Pepin County	19	9:30 a			0	0	4	0		Lightning
	Several minor lightning fires in Durand.									
Pierce County	19	2:30 p			0	0	3	0		Lightning
	Minor fire at a Prescott home.									
Sauk County	19	8 p			0	0	4	0		Winds
	Trees and wires down in Wisconsin Dells area.									
Dane County	19	10 p			0	0	4	4		Wind, hail
	Some wind and hail damage in DeForest, Windsor and Sun Prairie area. One barn leveled on Rank farm. One trailer destroyed on Anderson farm on Windsor Road and trees and TV antennas down in area. A two mile strip of lima bean, pea, tobacco and corn fields destroyed west of DeForest.									
Milwaukee County	19	9:30 p			0	0	5	0		Wind
	Scattered wind damage as severe thunderstorms move through Hales Corners, Greendale and Franklin on Milwaukee's far south side. Milwaukee Airport reported 52 mph winds with gusts at 76 mph.									
Washburn County	23	4:45 p	1	50	0	0	3	0		Tornado
	Small tornado moving SEward dipped down briefly one mile north of Shell Lake. Tornado broke off six big trees on Kila Anderson's farm, downing wires and damaging shed.									
Chippewa County	23	p	4	50	0	0	4	0		Tornado
	Small tornado moving SEward did damage at Dale Burns and Roy Yohnk farms 4 and 8 miles south of Cornell.									
Price County	24	5:10 p	1/2	100	0	0	0	0		Tornado
	Touched down very briefly near 20 SW Phillips.									
LaCrosse County	24	5:30 p			0	0	0	0		Funnel aloft.
	Funnel passed close to LaCrosse's St. Francis Hospital. About 60 trees knocked down in LaCrosse.									
Crawford and Grant Counties	24	6:15 p	5	100	0	4	5	0		Tornado, wind
	Extensive damage in Prairie Du Chien area as tornado moving ESEward touches down in severe thunderstorm. Also wind damage at Easton, Steuben, Wausau, and Escobedo. Man uninjured when car was blown off road 2 1/2 Wausau. Three people injured at Prairie Du Chien and one at Wausau.									
Grant County	24	6:45 p			0	0	4	0		Tornado, wind
	Skipping tornado moving ESEward from Bagley towards Bloomington. Damage occurred to several campers in the Bagley area and to farms near Bloomington, trees down in Mount Hope area. Funnel observed at 5 NW Platteville.									
Jefferson County	24	8:25 p	2	100	0	0	3	0		Tornado
	Tornado moving ESEward left a path of downed trees near county trunk K 28 Jefferson.									
Northern Counties	29	Evening								Wind, lightning
	Severe thunderstorms caused scattered wind damage across north. \$300,000 fire at a shopping center in Manitowish Waters blamed on lightning.									
Wyoming										
Cheyenne 15 NW	1	10:45 p.			0	0	0	0		Hail
	Pilot reported 1/2 to 3/4 inch hail at 10,000 feet.									
Cheyenne	1	11:17 p.			0	0	0	0		Hail
	Cheyenne Weather Station reported 7/8 inch hail.									
Huntley	2	Evening			0	0	0	4		Hail
	Hail up to 3/4 inch caused crop damage in the Huntley area.									
Wheatland 5 SE	3	2:20 p.								Funnel aloft

See reference notes at end of table.

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JUNE 1971

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					KILLED	INJURED	PROPERTY	CROPS	
Wyoming (continued)									
									Public reported funnel cloud, did not touch ground.
Guernsey	3	2:30 p.			0	0	0	4	Hail
									2 3/4 inch hail reported from near Glendo to Guernsey.
Buffalo	3	5:00 p.	1	25	0	0	3	0	Tornado
									Tornado touched down on the Camino Ranch south of Buffalo, did damage to lambing shed and wind-break fence, moved northeast.
Laramie 10 NW	3	8:00 p.							Funnel aloft
									Funnel cloud spotted 10 miles NW of Laramie, did not touch ground.
Sheridan	4	12:46 p.							Funnel aloft
									Sheridan Weather Station reported funnel aloft, went back into cloud.
Cheyenne 25 N	8	4:30 p.	?	?	0	0	0	0	Tornado
									2 pilot reports of tornado 25 miles north of Cheyenne over open range land.
Laramie, Goshen and Platte Counties	8	Night	25	50	0	0	0	0	Tornado
									Sheriff's officers reported tornado moving from Laramie County south of Chugwater to 2 miles west of Hawk Springs, moving northeast.
Big Piney	10	Noon			0	0	0	0	Hail
									3/4 inch hail reported, no damage.
Cheyenne	12	12:05 p.							Funnel aloft
									Public reported funnel aloft 25 to 30 miles west of Cheyenne.
Cheyenne 30 W	12	12:30 p.			0	0	0	0	Funnel aloft, Hail
									Funnel aloft spotted in Pole Mountain Division, Medicine Bow Forest between Elephant Head Rock and Eagle Rock. 1 1/4 inch hail observed at 1:30 p.
Torrington	12	4:30 p.	1	10	0	0	3	0	Tornado
									Tornado moved from south edge of Torrington to east edge. Damage to small structures.
Newcastle	12	5:00 p.							Funnel aloft
									Funnel aloft spotted by public 10 miles south of Newcastle, returned to clouds.
Newcastle	25	2:00 a.			0	0	5	0	Hail
									2 1/2 inch hail through a 6-mile strip from the Engle Ranch west of Newcastle, through Newcastle to the LAK Ranch east of Newcastle, did damage to houses, cars, trees and shrubs.
Michigan									
Owosso - Flint - Dryden, Shiawassee Genesee - Lapeer Counties	2	2:12 pm - 4:03 pm	55	25	0	3	5	0	Tornado - Funnels Aloft
									Funnel moved east southeastward for 55 miles, intermittently touching down along a line from Owosso to Flint to near Dryden where it was last observed as a funnel aloft. Flying glass caused minor injuries to 3 students at Owosso High School. Damage estimated at \$75,000 in Owosso area, mostly downed trees, windows blown out, siding ripped off at the school; 5 homes and 2 barns damaged. Only minor damage was reported at Flint where 2 autos were blown off the road. Several other reports of funnels aloft were received in southeast Michigan, but none were confirmed.
Southeast Michigan	2	pm			0	0	4	0	Lightning - Thunderstorms
									Scattered thunderstorms caused mostly minor damage. One \$7000 plane destroyed near Flint in Gaines Township. New Haven High School roof blown off for third time. Hail and wind damaged a garage at Romeo. Lightning killed 8 head of cattle near Bad Axe.
Central - Southeast Michigan	5	4 pm - 9 pm			0	0	4	0	Hail - Lightning
									Golf-ball sized hail, lightning caused some damage in the Novi, northwest Detroit area. Lightning killed 10 head Holstein cattle worth \$5,000 at Clare. A pump house suffered \$15,000 in damages from lightning at Monroe. One house was set on fire and one oil storage tank was destroyed at Hillsdale by lightning.
Southern Lower Michigan	6	7:30 am - 12:30 pm			1	0	5	5	Squall Line
									Squall line accompanied by gusts to 75 mph caused wide spread, mostly minor damage as it moved eastward at
Michigan (continued)									
									30-35 mph. Major damages include: Blissfield, \$10,000 fire due to lightning; Rochester, \$180,000 as wall and roof of manufacturing plant destroyed; Silver Lake, near Ann Arbor, man drowned when boat capsized; Sparta, \$7,000 fire in home set by lightning; Bronson-Quincy area, 3 barns, 1 house destroyed by fire with losses set at \$45,000.
Spring Lake, Ottawa County	6	8:05 am			0	0	0	0	Funnel Aloft
									Funnel moved eastward, no touchdown.
Rockford, Kent County	6	9:37 am			0	0	0	0	Funnel Aloft
									Funnel moved east, no touchdown.
Belding, Ionia County	6	9:41 am			0	0	0	0	Funnel Aloft
									Funnel aloft, no touchdown.
Stanton, 1 1/2 E. Montcalm County	6	10:09 am	1/4	20	0	0	0	0	Tornado
									Funnel observed to touchdown over open field, moved eastward with oscillating motion, no damage.
Cassopolis, Cass County	6	4 pm			0	0	0	5	Hail - Funnel Clouds
									Golf-ball sized hail flattened grain, damaged apple orchard, strawberries, and melons along 1 1/2 by 5 mile strip. Several reports of funnel clouds in the area, none confirmed.
Southern Lower Michigan	7	2 pm - 6 pm			0	3	4	0	Thunderstorms - Hail - Lightning
									Scattered thunderstorms caused a variety of damage. In Detroit, the steel skeleton from the 11th to 18th floor of an office building was blown 17 inches out of plumb; St. Clair Shores, falling trees slightly injured three persons; Holland, Zeeland, and Saginaw areas received minor damage from 3/4 inch hail, while golf-ball sized hail in 1 mile by 10 mile strip caused extensive damage near Cass City; at Beaverton, 2 calves were killed by lightning; at Perry, two new homes destroyed by wind, loss estimated at \$28,000.
Alpena, 4WNW, Alpena County	7	2:35 pm	1/22	50	0	0	0	0	Tornado
									Small tornado cut path through woods, snapped and twisted off 65 trees. The storm moved toward the northeast.
Toledo, 19NW, Monroe County	7	4:20 pm			0	0	0	0	Funnel Aloft
									Funnel over Petersburg did not touchdown.
Ann Arbor, 6NE, Washtenaw County	7	4:55 pm	1/8	30	0	0	4	0	Tornado
									Farm buildings destroyed, car picked up and moved 5 feet, and trees were twisted out of the ground, the storm moved northeastward.
Brown City, Sanilac County	12	7 pm			0	0	3	4	Hail - Winds
									Golf-ball sized hail and gusty winds damaged a barn, flattened crops near Brown City. The Oscoda area also reported golf-ball sized hail and wind damage to roofs. Lightning caused scattered damage to trees and ignited an oil storage tank at Big Rapids.
Southern Michigan	20	6:30 pm - 8:30 pm			0	0	4	0	Lightning
									Gusty winds and lightning caused spotty damage. Ionia, \$1,000 damage to a home; Sturgis, \$35,000 loss when horse was killed by lightning and the barn set on fire, \$1100 loss when lightning killed 2 Holstein cows; at Livonia, race course barn roofs damaged, 150-foot section removed from one horse barn.
Spring Lake, Ottawa County	25	12:30 pm			0	1	0	0	Lightning
									Lightning struck a home and gave a shock to the mother removing an electric fan from window. The daughter, talking on the phone received a slight burn and loss of hearing in the left ear.
Bay City, 6W, Bay County	30	6 pm			0	1	0	0	Lightning
									Fifteen-year-old girl knocked unconscious by lightning which struck a tree near her. When revived, she was hospitalized for observation.
Colon, St. Joseph County	30	7:30 pm			0	0	4	0	Lightning
									Lightning-set fire destroyed a 40x80-foot barn, 35 tons and 300 bales of hay.

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

DELAYED DATA

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	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							KILLED	INJURED	PROPERTY	CROPS									
Hawaii	November 1970								Funnel clouds	Texas (continued)									The tornadoes moved from southwest to northeast and may have been associated closely with the tornado reported north of Schulenburg in Fayette County which also occurred at night on the 25th. Total property damage for the four Colorado County tornadoes was estimated at \$10,000.								
South of Waikiki, Oahu	19	About 9:30 a.								Indiana	March 1971																
			Two funnel clouds were observed for a few minutes extending halfway down to ocean surface from low dark cumulus clouds, with estimated base of 1,000 feet, moving northward.								Montezuma (Parke County)	E.S.T. 15 3:00a.	1/8	100-150	0	0	4	0	Tornado	Tornado moved east northeastward over south edge of Montezuma tearing trees and roofs.							
Hawaii	January 1971									Illinois	April 1971																
North of Kaneohe MCAS, Oahu	8	11:17 a.-11:24 a.							Funnel cloud	McLean County	13	Bfr 6a							Hail								
Southwest of Barbers Point, Oahu	19	4:01 p.-4:03 p.							Funnel cloud	25 SW PIA	20	6:55p							Public reports hail at Bloomington covering ground 1/4" to 1".								
South of Barbers Point, Oahu	19	4:02 p.-4:08 p.							Funnel cloud	Near Vandalia	21								Public reports funnel cloud 18 NNW VLA at 12:25p and 15 NE VLA at 12:45p.								
Louisiana	January 1971									Southern Illinois	27	aftn								Hail, funnels							
Northern, Central, and portions of Southern Divisions	7-8				0	0	5	0	Snow, sleet, glaze	Franklin County	27	3:43p	4 to 5	200	1	20	6	0		Hail reported 1" diameter at Waterloo at 1:48 p.m., 1 1/2" at Carbondale at 3:30 p.m., 2 1/2" at Chester at 2:45p. Funnel clouds reported by public at Bonnie at 3:35p.m.; and at Steelville at 2:45 p.m.							
		Snow and sleet began in western and northern parishes on the 7th and spread into the Central Division. A broad band of freezing rain produced extensive glazing southward into portions of the Southwest and South Central Divisions. Snowfalls ranged from 2 to 4 inches in the Northern Parishes and northern sections of Central Louisiana. Roads and bridges were very slippery in many areas and skidding accidents were numerous. Schools closed in several parishes.																									
Montana	January 1971									Tennessee	April 1971																
Mountains near Red Lodge, Carbon County	30-31								Blowing snow, cold	Ridgely, Lake County	28	p.m.	?	?	0	0	0	4	Hail								
		A member of a snowmobile party died from exposure and exhaustion after a group of snowmobiles stalled in heavy drifting snow.																	Hail from 1/4 inch diameter up to 2 inches in diameter damaged crops.								
Tennessee	January 1971								Wind	Alaska	May 1971																
Townsend, Blount County	29	p.m.			0	0	4	0		Cordova	5-31			2	5	0	0		Wind Storm								
		Valley View Lodge roof damaged by high winds. Damage loss estimated at \$15,000.																	A storm accompanied by high winds gusting to over 80 knots and rough seas sank 3 fishing vessels and ran another four aground in the Copper River Delta fishing grounds near Cordova. One man was washed overboard and was missing, and another man was trapped in the cabin of the fishing vessel which sank.								
Montana	February 1971								Blizzard conditions	California	May 1971																
Near Brusett, Garfield County	26	All day								San Diego	28	8:05 a.m.				0	0	0	0	Funnel cloud							
		A rancher was overcome by exhaustion and exposure after his truck stalled several miles from his ranch.																	Funnel cloud observed northwest of airport moving toward south-east. Apparently remained aloft.								
Texas	February 1971								Tornadoes	New Mexico	May 1971																
Weimar and vicinity, Colorado County	25	9:30 p.-9:45 p	1/2	50	0	0	4	0		Chaves County	28	2:00 p.				0	0	0	0	Hail							
		At least four tornado funnels dropped down to earth from what appeared to be the same parent cloud in the Weimar area of Colorado County. More than twenty farm buildings were destroyed or heavily damaged in the immediate Weimar area. Luckily no one was injured. Flying roofing cut through fences, large trees were twisted off or uprooted, some implements were damaged and two automobiles were damaged beyond repair. At Wildwood, northeast of Weimar about five miles, one of the funnels dipped down to take a few sheets of steel off a barn on the Henry Hudec place, continued in a northeasterly direction and sucked out a wall of a barn on the Leroy Kubesch place before moving on to the Frank Pavlik place. At the Pavlik farm the tornado took four buildings from three sides of the Pavlik house but didn't lift a shingle from the house. The buildings were blown to bits and scattered across the fields. As the garage went, the Pavlik's automobile moved sideways about 25 feet with such force that a wheel was bent as it plowed a furrow in the drought-hardened ground. The sheet-steel wash house that disappeared from the north side of the yard was about 20 feet from the Pavlik house. A pine tree between the two was topped by the wind, but at the ground, 10 feet from the wash house, some pot plants didn't lose a petal or a leaf.															Union County	29	5:30 p.-6:30 p.				0	0	3	5	Hail
		At the same time one tornado hit the Pavlik's farm, a second funnel passed over the Joe C. Muras farm at Holman, then touched earth about one-half mile beyond Muras' destroying an implement shed and de-roofing a hay barn owned by Richard Cernosek. The Joe Muras family felt the "concussion" of the funnel as it passed harmlessly over their home but heard no roaring. The father, however, who lives to the northwest across Farm Road 155, about one-half mile away, said he heard a sound "like a hundred jets". This funnel touched earth across FM 155 to the northeast at the Louis Mazoch farm.															Oklahoma	May 1971								Hail to 3 inches in diameter, 20 miles north of Roswell, damaged cars, roofs, crops and glass, and killed some lambs.	
		Running parallel to this funnel was a third tornado slightly farther west that damaged buildings on the Frank Reichert and Mrs. Gus Petrasch places.																		Hail to 2 inches in diameter in 1 mile wide area from Clayton to 20 miles northeast of Clayton damaged roofs, glass, feed grains and some wheat. Temperature drop killed some calves.							
		A fourth tornado struck the Oakland and New Bielau communities, taking a new barn and other buildings at the Lawrence Addicks place and damaged both a barn and the home at the Lester Lippert's place. This was the only home damaged in the entire area.																									
		The average path of these tornadoes is estimated to be about one-half mile long and 50 yards wide.																									

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

CORRECTIONS

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS		
Nebraska Buffalo County	June 12	1:45a	Short	Narrow	0	0	0	0	Tornado	Florida Central Florida	March 03	afternoon			0	1	5	0	Tornadoes, Wind damage, rain	
			Observed to touch down briefly just north of Elm Creek.																	
Florida 11 Sw Pensacola	July 16	12:11p							Funnel aloft											
3/2 SE St. Petersburg	16	12:40p							Funnel aloft											
St. Petersburg	16	1:11p							Funnel aloft											
Iowa 10S Sioux Center, Sioux County	July 1	6:00pm							Funnel Cloud											
6SE Hudson, S. D.	1								Funnel											
			Erroneously reported in South Dakota - July Storm Data.																	
New Hampshire Melvin Village	July 28	3:30 P.M.	short	narrow	0	?	4	0	Tornado											
			Roads blocked and utility lines downed by fallen trees. Large tree lifted up and plunged like spear into a home. Mobile homes overturned, with some injuries and bruises, none very serious, to occupants.																	
DELETE ENTRY FOR MELVIN VILLAGE AUGUST 4, 1970																				
Ohio Waynesburg Area, Stark County	July 8	4:28p							Funnel aloft											
			The July 1970 issue of this publication reports this funnel cloud as occurring on the 10th.																	
Maine Limestone	July 18		4	*1																
Montana Havre, Hill County	July 28	6:58 p.m.			0	0	0	0	Wind											
			Thunderstorm accompanied by wind gusts to 83 m.p.h. caused no reported damage.																	
Virginia	July 9																			
			Storm reported in King William County on July 9 at 4 p.m. should be on July 4 at 6 p.m.																	
Idaho Oneida County	September 2, 1970																			
			should be Franklin County; time of 4:00 p. should be 2:00 p.																	
Mississippi Lawrence County	September 1970																			
			Tornado reported on September 21, 1970 should be September 23, 1970.																	
Missouri Raytown, Jackson County	September 12	4:30PM							Hail											
Independence, Jackson County	12	4:35PM							Hail											
			These two were listed as happening on the 10th.																	
Tennessee Covington	September 2																			
			Tornado reported on September 2 should be on September 3.																	
Missouri Independence, Jackson County	November 30	evening			1		3		Wind											
Louisiana	December 30, 1970.																			
			Tornado, funnel cloud reported December 31 should be December 30, 1970.																	

A vicious squall line battered its way across Florida's midsection Wednesday afternoon accompanied by heavy winds, rain and several small tornadoes. Wind gusts up to 60 mph combined with driving rain caused many minor accidents along the Gulf Coast counties. Major damage included 20,000 loss in a Punta Rassa Marina, \$8,500 to a Citrus County Fair circus tent and extensive minor damage to many houses from breaking tree limbs. Minor flooding also occurred in low-lying areas. One man was drowned when his boat capsized while fishing but there was only one directly related storm injury reported.

April 1, 1971. There was no data recorded on April 1. See May Data.

Correct previous description as follows: A severe thunderstorm struck Erid about 3:30 p.m. before moving eastward across the Breckinridge and Garber areas. Strong winds, clocked at 95 MPH at Erid's Woodring Municipal Airport, damaged roofs of buildings, uprooted trees, overturned mobile homes, bent TV antennas and tore down utility lines. Approximately 60 utility poles were broken. The most extensive damage resulted from a very severe hailstorm which broke windows and damaged roofs of buildings, battered a large number of pickup and trailer campers, smashed windshields and windows out of automobiles and caused extensive damage to the area's already short wheat crop. Hailstones averaged 2 inches in diameter with most of the larger stones around 4 inches. Fifteen persons received hospital treatment, mostly because of cuts from flying glass but a few were injured by being hit by the large hail. At approximately 4:00 p.m. a funnel cloud was observed not touching the ground 5 miles east of Erid by persons at the airport. A second storm struck the area 3 hours after the first one struck. It contained small hail, strong winds and heavy rain which increased the damage inflicted by the first storm. Property damage from the two storms was estimated at \$2 million and crop damage at one-half million. Primary cause of damage was the hail storm.

- ° 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 Million
- 7 \$5 Million to \$50 Million
- 8 \$50 Million to \$500 Million
- 9 \$500 Million to \$5 Billion.

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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