

A UNITED STATES  
DEPARTMENT OF  
COMMERCE  
PUBLICATION



# Storm Data

U.S. DEPARTMENT OF COMMERCE  
Environmental Science Services Administration  
Environmental Data Service

MAY

1970

Volume 12

No. 5

ASHEVILLE, N.C.

1970

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

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		
Alabama										
Etowah, Barbour County	16	Late afternoon			0	0	4	0		Wind, hail
			Winds with gusts to 85 mph damaged boats and buildings at marina on Lake Etowah. One person drowned when boat capsized. Scattered damage to mobile homes, houses and power lines by wind and uprooted trees and broken limbs. "Golf ball" size hail fell briefly. All damage due to wind.							
Eight Mile, Mobile County	31	6:30 pm								Funnel
			Funnel sighted by State Troopers.							
Extreme Southwest Alabama	31	Day			0	0	5	4		Rain
			Heavy rains caused damage to roads, bridges with local flooding in many areas. Extensive damage in City of Mobile.							
Alaska										
Wasilla 6 1/2 miles west of	7				0	0	3	0		Whirlwind
			Large whirlwind, extending from the ground to 150-200 feet in the air was reported. It picked up planks and debris and lifted a greenhouse (10x12 ft.) to an estimated height of 75 feet and dropped it onto power lines.							
	8									Whirlwind
			Second large whirlwind reported.							
Arizona										None reported
Arkansas										
Yellville - Marion County	10	1:00 a. to 2:00 a. (Approx.)								Funnel Aloft
			Funnel observed by police approximately 3 miles southwest of Yellville moving in a west-southwest to east-northeast direction. The remains of a squall line produced a turbulent cloud mass that moved eastward from Benton County at 10:00 P.M. on the 9th to Fulton County around 4:00 A.M. on the 10th.							
Hudspeth Community - Drew County	24	Afternoon			1					Lightning
			Mrs. Susie Carpenter of Hamburg, Arkansas, aged 68, was killed by lightning Sunday afternoon as she and her sister were standing in yard.							
Pine Bluff - Jefferson County	24	10:17 p.								Windstorm
			Minor damage took place as wind gusts to 70 mph (as observed by Flight Service Station) at Gridler Field. Wind was from a small local squall and accompanied by only very light rain. Tree limbs fell across power lines in the southeast parts of town and some brief power shortages occurred.							
Lake Maumelle - Pulaski County	29	5:50 p.								Hail
			1/2 to 1 inch hail with heavy rain observed, but with no wind.							
Conway - Faulkner County	29	6:00 p.					4			Windstorm
			Marine service suffered wind damage. Metal shed picked up by wind and hurled into fishing boats. Debris severed power line interrupting electrical service to area.							
California										None reported
Colorado										
Grand Junction	20	5:00PM			77	4				Wind
			Strong gusty winds associated with passage of a dry thunderstorm caused collapse of a circus tent and injury to 77 persons, mostly children, 24 requiring hospital care. Wind gusts to 65mph were observed at the airport, about 2 miles from the tent site. There was other minor wind damage in the Grand Junction area.							
Morgan County	21	8:00PM			4	2				Hail, wind
			Hail and wind damaged sugar beet crops in scattered areas extending from Fort Morgan west and south. The roof was blown off a saddle club barn in Fort Morgan, and several horses were injured by flying debris.							
Elbert and Kit Carson Counties	22	3:00-6:00PM								Possible tornadoes
			Possible tornadoes reported 20 miles SE of Kiowa at 3:30PM and SE of Flagler at 5:25PM. No confirmation and no damage reported.							
Douglas County	24	12:50PM			0	0				Funnel
			A funnel cloud was reported at Larkepur, 26 miles NW of Colorado Springs.							
El Paso County	29	2:58PM								Funnel
			A funnel cloud was reported 15 miles north of Colorado Springs.							
Connecticut										None reported
Delaware										
Dover	12	2:30 - 3:00 p.			1	0	0	0		Wind, hail
			A construction worker, attempting to secure the roof decking at a nearby military base, was killed when he was struck by a 20-foot piece torn free by the wind. It had sailed through the air about 200 feet before striking him. The thunderstorms also brought hail to the area; no damage was indicated.							
Florida										
West Palm Beach (8 mis. SE) Palm Beach County	19	2:08p								Waterspout
Boca Raton (5 mis. NW) Palm Beach County	19	2:45p								Funnel Aloft
Fort Myers (5 mis. SW) Lee County	24	9:15a								Damaging Wind
			Minor roof damage to homes.							
Big Pine Key (20 mis. NE Key West) Monroe County	24	5:57p			0	0	3	0		Tornado
			Two boats sunk at north end of island, 3 others damaged. Damage estimated at \$1,500.							
Key West	25	3:20p								Waterspout
Islamorada Monroe County	25	6:00p								Damaging Wind
			Estimated at 70-80 mph.							
Big Pine Key (20 mis. NE Key West)	25	6:00p								Twister
			Winds estimated at speeds up to 84 mph. Minor damage. No injuries.							
Pt. Lauderdale (vicinity)	25	night			0	0	3	0		Damaging Winds and Rain
			Tourist Liner, Queen Elizabeth, (83,000 ton) torn from dock moorings at Port Everglades into Intracoastal Waterway. Winds at 70 mph. Pillings and bulkhead structures damaged, also one building. Ten rental skiffs damaged at fishing camp on Carr Sound. A \$1500 cruiser wrecked, small household items blown into water. Cherry-size hail reported in North and South Dade areas.							
Miami (3 mis. E)	27	6:24a								Waterspout
St. Petersburg (3 mis. SE)	27	8:10a								Funnel Aloft
West Palm Beach (15 mis. E)	27	8:40a								Waterspout
Pt. Lauderdale (3 mis. NE)	27	11:50a								Funnel Aloft
Miami (10 mis. E)	27	1:20p								Waterspout
Georgia										
Bacon and Coffee Counties	14	8:30 p			0	0	3	5		Hail
			Heavy hail fall in parts of Bacon and Coffee Counties, completely destroying several fields of tobacco and corn and damaging other young crops. One farmer lost 40 acres of watermelons. The marble size hail caused only minor property damage.							
South Turner County	14	8:45 p			0	0	3	5		Hail and rain
			Hail from 3/4 to 1 inch in diameter fell in southern Turner County causing widespread damage to crops. Young cotton, peanuts, tobacco, corn and watermelons were beaten down and several fields completely destroyed. About 75 young pigs died in the hail storm on one farm. Hail covered the ground and accumulated to 18 inches in places, where some remained for 96 hours. Heavy rain caused flash flooding. One farmer reported 4 inches of rain in 50 minutes in a USDA rain gage.							
Norvan Park	15	pm			1	6	0	0		Lightning
			One high school youth was killed and six others injured when lightning struck in a group practicing baseball.							
Bainbridge	15	7:00 p	Short	Narrow	0	0	5	0		Tornado
			A storm that was apparently a small tornado caused heavy local damage in the Bainbridge-Douglas County Industrial Air Park. One plane was blown into the side of a hangar, heavily damaging the plane and hangar. Other equipment was blown about and a large 4-crane hoist was bent. At a nearby mobile home factory 5 new mobile homes were completely demolished and others were damaged. Furniture and appliances were scattered over a large area. Another plane in the park suffered extensive roof damage. The sound of the storm was described by a pilot who had just landed at the air park as that of two freight trains.							
Flowery Branch, Hall County	16	pm			0	0	4	0		Windstorm
			A late afternoon windstorm blew the roof off one house, shifted a mobile home from its foundation and uprooted numerous trees. Furnishings were damaged by rain after the house lost its roof.							
Savannah Beach	25	7:15 a	1/2	25	0	0	4	0		Tornado
			Storm apparently touched down at only two spots, damaging three buildings at Savannah Beach and two boats and a shed at Lazerretto Creek, 2 1/2 miles away. Heavy steel beams on an 80 foot boat were bent and twisted. A roaring noise was reported and debris and downed trees showed a cyclonic pattern. Moved from east to west.							

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Georgia (continued)									
Houston County	26	3:30 p	?	?	0	0	4	0	Tornado
	Storm caused heavy damage to buildings and equipment at an industrial construction site in the southeast part of the County. One ten by ten foot building was completely demolished when it was lifted into the air and dropped. A large section of roofing was ripped from one building and several cars were damaged when hit by a large storage tank. A security guard at the plant observed a funnel moving east. Trees were uprooted and other property damaged at nearby Hawkinsville and Cochran during the same afternoon.								
Berrien County	26-31				0	0	0	5	Hail and rain
	Several fields of tobacco, corn and cotton were destroyed or heavily damaged in the northern part of the County. Hail caused extensive damage on the evening of the 26th and several days of heavy rainfall resulted in additional damage by drowning. Alapaha had about 11 inches of rain from the 25th to the end of May.								
Houltrie	28	5:30 p							Funnel clouds
	Pilot reported "numerous twisters" in the vicinity of the Houltrie-Thomsonville Airport. They apparently did not touch down, as only scattered minor wind damage was reported in the area.								
Coffee County	28	pm			0	0	3	4	Wind, hail and rain
	Strong winds destroyed a tobacco barn, damaged other buildings and uprooted several trees. Tobacco was damaged by hail and heavy rains flooded several fields of corn and tobacco.								
Ocala, near	29	12:35 p	1/10	150	0	0	3	0	Tornado
	Storm touched down briefly, damaging the roof of a wrecking company. Funnel was observed by two people in a radio station across the highway from the damaged building.								
Hawaii									
Idaho									None reported
Southern Idaho, Southwest and South Central Valleys	4	Afternoon	--	--	0	0	4	2	Wind
	Scattered severe thunderstorms accompanied by brief heavy rain and strong winds caused spotty damage, mostly from strong winds; in Boise valley a trailer home was shifted on its foundation, a small passenger car was blown over; south of Burley a barn was blown down and the roof was taken off a newly constructed garage; and on the east side of Wendell the roof from a tool shed was blown about 30 ft. and a nearby camper was moved some 100 yards from its original position.								
Southwest Ada County	7	Afternoon	--	--	0	0	3	--	Wind
	A late afternoon windstorm out of the southwest ripped the metal roof off an equipment building east of Kuna and carried it about 80 ft.								
Blaine County	9	Afternoon	1	40	0	0	4	3	Wind
	A strong wind struck a rural area east of Halley during the afternoon and lifted a galvanized roof, along with supporting poles, and hurled them more than 100 ft. Parts of the roof went 200 ft. A nearby shed was lifted and moved 50 ft. away where it was demolished.								
Homedale, Owyhee County	17	Evening	--	--	0	1	3	3	Thunderstorm, electrical, rain
	A violent thunderstorm accompanied by heavy rain and frequent lightning was centered south of Homedale. Slight injury to one struck by lightning in left arm. A heifer was killed by lightning.								
Elgin Bench Area, Fremont County	26	4:00 p.	--	--	0	4	--	--	Electrical
	A bolt of lightning struck a tree about a mile south of Elgin Bench Store and set it on fire. Struck by the bolt and slightly burned were four persons that were nearby.								
Illinois									
Pike County	9	10:05a			0	0	5		Lightning
	Lightning struck Trip Museum of birds and wildlife at Griggsville. Lightning also knocked out automatic fire alarm system and pumps at Griggsville water tanks so that building and contents were a complete loss at an estimated \$500,000.								
Northeast	9	1p - 2p					3		Wind, funnels
	Wind caused widespread but minor damage in Lake, McHenry, DuPage and northwest Cook Counties. Funnel cloud were reported 12 SW ORD at 1:30p; and 23 NW and 8 NW ORD at 1:50p.								
Ogle County	9	5:30p					?	?	Hail
	3/4" hail at Forreston								
Northeast and Central	9	6p -10p					4		Wind, funnels
	Widespread damage to trees and minor building damage reported, especially around Peoria, Pekin and suburban Chicago areas. Funnel clouds reported 19 SW PIA at 7:10p, 18 E JOT at 7:22p; 31 ESE BDF at 7:55p; 36 E BDF at 7:40p; 17 WSW JOT at 8:55p; 12 S JOT at 9:05p; and 14 ESE ORD at 9:30p.								
Illinois (continued)									
Woodford County	9	7:20p	4	200	0	0	5	0	Tornado
	Tornado first touched near ILL 150 and Mackinaw River and proceeded northeast to about one mile NNE of Congerville. Damage to trees, utility lines, barns, silos, and one trailer home. Path 100 to 200 yards wide. Tornado reportedly sighted. WBO, PIA.								
Northern half	12	6p -11p					?	?	Hail, funnels
	3/4" to 3/4" hail at Lexington at 7:12 p. Funnels reported 32 NNE MLI at 6:23p; 20 SW ORD and 34 SW ORD at 6:45p; 13 ESE PIA at 9p, 43 NW CMI at 9:55p; 31 NW CMI at 10:09p; and 54 ESE PIA at 10:10p.								
Woodford County	13	2:45a					?	?	Hail
	1" hail reported at Goodfield								
Sangamon County	13	4:45a							Funnel cloud
	Funnel cloud reported 14 E SPI.								
Kankakee County	13	5:20a							Funnel clouds
	Two funnel clouds reported 5 to 15 miles west of Kankakee moving east.								
Will County	14	9:15a							Funnel clouds
	Two funnel clouds reported over Joliet.								
Peoria County	23	7:48p							Funnel cloud
	Funnel cloud reported moving ENE from 15 NW PIA.								
Edgar County	24	7:45p	1/2	narrow	0	0	3	0	Tornado
	Detailed report from ex-observer USAF indicates funnel formed quickly as he watched, touched briefly 1 mile south of Chrisman and withdrew into clouds about 2 miles east. Trailer home overturned, ears popped from reduced pressure, young healthy trees uprooted, debris swirled counter-clockwise, 50 gallon oil drum carried 100' into air. Heavy rain, small hail but no lightning or thunder. All over in 60 seconds.								
Cook County	29	3:15p					?		Wind, funnels
	Some wind damage to trees near ORD and three reports of funnel sightings by public in area.								
Northern & Central	9-15						?	?	Heavy rain and local flooding
	Rain fell over much of northern and central Illinois for 3 to 8 consecutive days during period 9-16th. Totals of 3" to 6" were common with 3" to 4" in one day, 4" to 6" in two days and nearly 8" in 4 days. Much local flooding washed out crops and caused extreme soil erosion and ponding. Area and damage were too extensive for detailed reports but east-central and northwest were among hardest hit. Some record flood crests were reached and damage to fields, crops and buildings will run into millions of dollars.								
Indiana									
Fort Wayne (Allen County)	12	About 1:00p.-2:15p.	?	?	0	0	4	2	Wind, hail, funnels
	E.S.T. Numerous reports of funnel clouds. Meteorologist found no tornadic damage. Some damage done by strong wind in NE suburb of city. Hail of 2" diameter reported in southern part of city. Workman was crushed to death when wall of building under construction toppled during wind storm. Several houses damaged.								
Columbia City, 2 miles E. (Whitley County)	12	Early p.m.							Funnel
Ashley	12	1:10 p.							Funnel
	Police reported funnel moving eastward near Steuben-Dekalb County line about 4 miles east of Ashley.								
Clarksville (Clark County)	12	Early p.m.			0	0	4	0	Lightning
	Lightning and resulting fire destroyed a Church.								
Louisville, 30 miles W.	12	7:15p.							Funnel
Wheatfield (NE Jasper County) to N. Judson (SW Starke County)	12	9:27p.	15	?	0	0	4	4	Rain, hail
	Heavy rain and golf ball size hail fell during thunderstorm extending from Wheatfield to North Judson.								
Monroeville (Allen County)	12	10:15p.			0	0	4	0	Lightning
	Near State Road 101 and Monroeville a lightning caused fire destroyed a barn and contents.								
Fortville (Hancock County)	13	1:40a.							Funnel
Kentland (Newton County)	13	Early a.m.	?	?	0	0	4	3	Rain, wind, hail
	High winds and nearly six inches of rain. Hail half dollar size reported. Streets flooded at 2:00 a.m. and many basements had four feet of water.								

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

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						
Indiana (continued)										Iowa (continued)														
Chalmers and Monticello (White County)	14	E.S.T. 12:57p. - 1:10p.	1 1/2	*1	0	0	5	0	Tornado	SE Henry County	11	1:35 a							Funnel					
Tornado traveled mostly a few feet above ground across the center of Chalmers one block south of the elevator from WSW to ENE. Several homes and business buildings damaged. About 1:10 p. some damage also occurred, apparently from same thunderstorm, at Monticello.										NE Polk County	11	2:00 a										Funnel		
Indianapolis (Marion County)	14	2:30p.	1 1/2	100	0	1	4	0	Tornado, lightning, wind	New London, Henry County	11	2:35 a							Funnel					
Tornado hit Eaglesdale shopping center with \$20,000 to \$30,000 damage to supermarket. Adjacent buildings also damaged. Strong wind caused scattered damage throughout city. Woman injured by lightning in another area of city.										Washington County	11	3:10 a												Funnels (6)
Decatur (Adams County)	14	6:00p.	Short	Narrow	0	0	5	3	Tornado	Sioux City, Woodbury County	11	10:52 a					4		Hailstorm					
One house destroyed, six heavily damaged and over 20 other homes or business buildings received some damage. Some cars were turned over and trees blown down.										Le Mars, Plymouth County	11	11:00 a					4					Windstorm		
Jasonville (Greene County)	14	6:15p. - 6:35p.	?	?	0	0	3	0	Funnel, wind	Sanborn, O'Brien County	11	11:00 a					4		Windstorm					
Funnel observed by police during wind storm that downed trees and power lines.										Buena Vista and Pocahontas Cos.	11	12:25 p					4		1 3/4"		Hailstorm			
Brownsburg (Hendricks County)	15	4:33p. - 4:45p.	?	?	0	0	4	4	Hail, wind	Rutland, Dakota City and Humboldt, Humboldt County	11	1:00 p					4		Hailstorm					
Eastern Hendricks County and Brownsburg hit by strong wind and hail up to golf ball size.										Clear Lake, Cerro Gordo Co.	11	4:00 p					1				Lightning			
Gas City (Grant County)	15	p.m.							Funnel	7NE Dysart, Benton County	11	6:25 p							Funnel					
Portland (Jay County)	15	p.m.							Funnel	7NE Dysart, Benton County	11	6:30 p					4		Hailstorm					
Lawrence (Marion County) and McCordsville (Hancock County)	15	4:40p.							Funnel	Avoca, Pottawattamie County	11	7:21 p					4		Hailstorm					
Funnel was sighted over northeast Marion County and northwest Hancock County.										3 1/2 E Hospers, Sioux County	11	10:00 p					4			Windstorm				
Marion, 7 MW (Grant County)	15	About 5:00p.	Short	Narrow	0	0	0	0	Tornado	Atlantic, Cass County	11	10:25 p					4		Windstorm					
Brief touchdown reported with no damage.										14SW Oskaloosa, Mahaska County	11-	Mid-12 night	1/4	50'			3			Tornado				
Evansville, near (Vanderburgh County)	15	About 5:00p.	Short	Narrow	0	0	?	0	Wind	Two live oak tree snapped off at ground and upended trunk above power lines.														
Some damage occurred to hangar and aircraft at small airport located about 3 miles southwest of local WFO at Evansville.										Lamoni, Decatur County	12	1:05 a										Funnel		
Fort Wayne	15	6:35p.	?	?	0	0	3	2	Wind, hail	Mystic, Appanoose County	12	2:30 a					4		Lightning					
Wind and 1/2 inch hail reported. Some tree damage.										Moulton, Appanoose County	12	2:30 a					4				Lightning			
Markle (Huntington County)	15	7:10p.	Short	Narrow	0	0	0	0	Tornado	Woodburn, Clarke County	12	4:30 a					5		Lightning					
Touchdown reported. No damage evident.										Tama, Tama County	12	3:30 p					1			Lightning				
Shelbyville (Shelby County)	16	5:45p.	3	300	0	0	3	0	Hail, wind	40 year old man knocked from 18 ft. tank, died 3 days later.														
Some damage caused by wind and hail in south and southeast sections of town.										6N Humboldt, Humboldt County	12	Afternoon									Funnel			
Washington, NE (Davess County)	16	6:50p.							Funnel	Fairbanks, Buchanan County	12	5:45 p					4		Hailstorm					
										1 3/4 inch diameter covered the ground.														
Iowa NW of Hayesville, Keokuk County	9	2:10 p						4	Windstorm	Near Cedar Falls, Black Hawk Co.	12	7:30 p							Funnels (3)					
Pittsburg, Van Buren County	9	2:15 p						4	Windstorm	Pottawattamie and Cass Counties	12	7:30 p	12	400			5		Tornado					
Pittsburg, Van Buren County	9	2:30 p							Funnel	Moved E and ENE from south of Walnut to Walnut and Marne.														
Washington County	9	3:00 p	2	100				4	Tornado	Shelby County	12	8:00 p							Funnel					
Ainsworth-Haskins area struck.										Sighted west of Elkhorn moving east.														
6NW Wapello, Louisa County	9	3:15 p						4	Tornado	S of Ames, Story County	12	8:53 p							Funnels (2)					
Henry and Des Moines Counties	9	3:15 p						3	4	Windstorm	Nevada, Story County	12	9:00 p					1		Tornado				
Damage at Mt. Pleasant and Yarmouth.										Brief touchdown from same cell that passed near Ames.														
Lisbon, Linn County	9	3:30 p						4	Windstorm	Colfax, Jasper County	12	9:00 p					5		Lightning					
Muscatine, Muscatine County	9	3:57 p						4	Windstorm	McCallsburg and Zearing, Story Co.	12	9:15 p					4		Tornado					
Lamotte, Jackson County	9	4:30 p						1	4	Windstorm	Urbandale, Polk County	12	10:04 p						Funnel					
Delaware, Delaware County	9	5:00 p						1		Lightning	Adel, Dallas County	12	11:14 p					4		Hailstorm				
										1 1/2 inch hailstones.														
New Providence, Hardin County	10	2:40 p							Funnel	Waukee, Dallas County	12	11:24 p							Funnel					
SE of Ames, Story County	10	11:37 p							Tornado	Washington, Washington County	13	1:00 a					5		Windstorm					
NW of Des Moines, Polk County	11	1:20 a							Funnel															

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

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)										Kansas									
Grinnell, Poweshiek County	13	1:00 a					4		Windstorm	Wyandotte County	5	8:30 p.	?	?	0	0	3	0	Hail
Burlington, Des Moines County	13	2:25 a					4		Windstorm										Hail up to 1 inch diameter fell at Kansas City.
St. Lucas, Fayette County	13	5:15 a					5		Lightning	Barton, Ellsworth Counties	8	4:00-5:00 p.	30	*15	0	0	4	5	Hail
Denison, Crawford County	13	1:45 p					4		Hailstorm										Hail up to 3 inches diameter heavily damaged crops from Albert to Holyrood.
Diagonal, Ringgold County	13	4:05 p							Funnel	Central, Northcentral portions	8	6:00-9:00 p.	90	*20	0	0	4	5	Hail, Wind, h funnels aloft
Diagonal, Ringgold County	13	4:10 p					4		Hailstorm										Hail fell over much of the area from eastern Russell County northeast through Ellsworth, Lincoln, Mitchell, Ottawa, southeast Cloud, and into Clay County. Largest stones were about 1 1/2 inches diameter. Three funnels aloft were reported in the Tescott-Beverly area about 7:30 p; another occurred about 10 miles southwest of Minneapolis at 7:35 p.
Monona County	13	4:10 p					4		Windstorm	Ellsworth County	8	about 6:30 p.	?	Narrow	0	0	0	0	Tornado
IN Albia, Monroe County	13	7:00 p					4		Windstorm										Tornado, verified by photo, touched down in open country, in northeast Ellsworth County.
Laurel, Marshall County	13	7:35 p							Funnel	Lincoln, Ottawa Counties	8	7:36-7:48 p.	10	100	0	0	4	3	Tornado
Des Moines, Polk County	13	10:08 p					4		Hailstorm										Tornado, moving NE, touched down just northeast of Beverly and moved to about 9 miles north of Tescott before lifting.
SW Redfield, Dallas County	13	10:50 p							Funnel	Ellsworth County	8	9:30 p.	1	Narrow	0	0	4	0	Tornado
Williamsburg, Iowa County	13	11:30 p					4		Lightning										Tornado, moving NE, touched down briefly about 6 miles northwest of Ellsworth.
Story County	13						5		Thunderstorms	Smith County	9	about 2:00 a.	?	?	0	0	3	3	Hail
Strawberry Point, Clayton County	14	1:00 a					4		Lightning										Hail up to about 3/4 inch diameter fell in the Harlan area.
SE of Griswold, Cass County	22	6:00 p					4		Lightning	Northeast portion	9	12:00-3:00 p.	?	?	0	0	4	3	Hail, h funnels aloft, lightning
Casey, Adair Co.	22	Evening					3		Tornado										Hail occurred in Shawnee, Leavenworth, Wyandotte, and Johnson Counties; largest stones were about 1 3/4 inches diameter at De Soto, Topeka, and in the Kansas City area. Funnels aloft were reported as follows: near Baldwin City at 2:09 p.; about 8 mi. NW of Kansas City at 2:30 p.; and two funnels aloft near Kansas City at 2:45 p. Lightning destroyed a barn 1 mi. north of Muscotah.
Anita, Cass Co. to Pontanelle, Adair County	23	12:30 p					4	5	Hailstorm	Southeast portion	9	3:00-8:00 p.	?	?	0	0	5	4	Hail, wind, funnel aloft, lightning
Panora, Guthrie County	23	1:50 p							Funnel										Hail damage occurred in Labette, Wilson, Montgomery and Cherokee Counties. Largest stones were about 3 inches diameter. Wind damage was heavy north of Cherryvale and south of Columbus. A funnel aloft was reported 11 mi. west of Parsons at 4:14 p.
1S Des Moines, Warren County	23	2:05 p					4		Hailstorm	Linn County	9	5:30 p.	1/2	100	0	0	3	0	Tornado
Iowa Falls, Hardin County	23	3:55 p							Funnel										Tornado, moving north-northeast, touched down briefly 5 mi. southeast of Pleasanton.
Iowa Falls, Hardin County	23	3:55 p					4		Windstorm	Linn County	10	9:15 a.	18	*2 1/2	0	0	4	4	Hail
Marengo, Iowa County	23	Late afternoon					4		Windstorm										Hail up to 2 1/2 inches diameter was reported in the Centerville area.
S of Delaware, Delaware County	23	Night					4		Lightning	Northeast portion	10	10:00 a.-2:00 p.	?	?	0	1	5	5	Wind, rain, hail, lightning
Fort Dodge, Webster County	24	1:10 p				1			Lightning										A man was injured by flying debris near Atchison. Heaviest wind damage was at the Atchison Airport where 11 planes were damaged, a hangar was destroyed, and another hangar was damaged. Lightning caused losses in Marshall and Nemaha Counties. Heavy rains produced considerable flash flooding from Blue Rapids to Atchison, causing extensive damage to some bridges, roads and cultivated fields. Hail damage was heaviest in Marshall County.
Denison, Crawford County	24	2:00-2:30 p					4		Flooding	Marion County	10	Day	?	?	0	0	3	3	Hail
		3 inch rain in half hour. 20% damage by hail.							Flooding, mud losses,										Hail up to 2 1/2 inches diameter fell at Lincolnville.
Paullina, O'Brien County	27	9:30 p							Funnel	Sedgwick, Butler Counties	10	evening	?	?	0	0	6	5	Hail, Wind, 5 funnels aloft
Lyon and Sioux Counties	28	Early a.m. (beginning)				6	5		Flooding										Spherical hail stones up to 4 inches diameter fell in the Wichita area and jagged, saucer-shaped stones as much as 7 to 9 inches across were also reported. Most hail and wind damage occurred in the Wichita area but parts of Butler County also suffered damage. Funnels aloft were reported as follows: two funnels aloft near Haystack about 7:25 p.; 8 miles southeast of Wichita at 8:00 p.; and near Valley Center at 9:25 p., moving to 5 miles NE of Ksichi at 9:55 p.
NC Plymouth Co.	29	12:35 p							Funnels (2)	Saline County	11	12:25 a.	?	?	0	0	3	3	Hail
West Branch, Cedar County	29	5:30 p					4		Lightning										Hail up to 1 inch diameter fell 12 miles west of Salina.
SE Shelby County	29	5:45 p							Funnel	Dickinson County	11	about 1:00 a.	15	*3	0	0	4	5	Hail, wind
Cedar Rapids, Linn County	29	6:00 p					4		Hailstorm										Heaviest damage was south of Hope; hail up to 2 1/2 inches diameter was reported.
Zwingle, Dubuque County	31	4:00 p					3	4	Hailstorm										
		One inch diameter hail (25% damage wind).																	

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>Kansas (continued)</b>									
Ellsworth, Lincoln, Ottawa Counties	11	5:10-9:45 p.	about 15	?	0	0	4	4	Hail, wind, 3 funnels aloft
		Damaging hail occurred from northeast Ellsworth County into southeast Lincoln County and western Ottawa County. Hail about 3/4 inches in diameter fell 4 mi. SSW of Beverly at 6:40 p. Funnels aloft were reported as follows: west of Assaria at 5:10 p.; in the Hedville area from 5:20-5:25 p.; and in the Tescott-Beverly-Westfall area 6:15-6:25 p.							
Lincoln County	11	5:20-5:25 p.	?	?	0	0	0	0	Tornado
		Tornado touched down briefly near Westfall.							
Ellsworth, Lincoln Counties	11	6:15-6:30 p.	1	200	0	0	4	3	Tornado
		Tornado, verified by photos, formed near the Ellsworth-Lincoln County line about 15 miles NE of Ellsworth. It moved NE about 4 mph.							
Saline, Ottawa Counties	11	6:30-6:45 p.	?	?	0	0	0	0	Tornado
		Tornado observed 1/2 mi. SSW of Beverly, moving NE.							
Nemaha County	11	10:30 p.	?	?	0	0	4	0	Wind
		Two farms north of Seneca were damaged.							
Ottawa County, southern and eastern Cloud County	12	6:30-9:30 p.	40	*20	0	0	3	3	Hail
		A series of thunderstorms, moving northeast produced hail up to 1 3/4 in. diameter 12 mi. SW of Concordia at 7:15 p., and at Clyde and east of Minneapolis during the evening.							
Riley County	12	9:40 p.							Funnel aloft
		Funnel aloft was reported 8 mi. SE of Manhattan.							
Marshall County	12	11:30 p.	?	?	0	0	3	3	Hail
		Hail up to 2 in. diameter fell NE of Frankfort.							
Northeast portion	12-	night of 12-13			0	0	4	4	Hail, wind, funnel aloft
		Hail fell from Silver Lake eastward along the Kansas River Basin to the Missouri line. Largest stones were 1 in. diameter in the Topeka area at 12:50 a. High winds and hail hit the Silver Lake area about midnight and a funnel aloft was reported about 9 mi. south of Topeka just before 11:00 p.							
Coffey, Jefferson, Shawnee Counties	14	2:00-9:00 a.	?	?	0	0	4	0	Wind, lightning
		Wind damage occurred in the Topeka area and at Lake Perry. Lightning damage was reported south of Burlington and in Topeka.							
Bourbon, Labette Counties	14	afternoon	?	?	0	0	4	0	Lightning, rain early eve.
		Flash flooding occurred in the Parsons area. Lightning damage was reported at Parsons and in the Ft. Scott area.							
Thomas County	22	3:50-3:53 p.	short narrow		0	0	0	0	Tornado
		Tornado, moving northeast, touched down briefly in open country about 8 miles NW of Oakley.							
Thomas County	22	3:55-3:58 p.	1	100	0	0	2	0	Tornado
		Tornado, moving northeast, touched down briefly about 6 1/2 miles south-southwest of Colby.							
Northwest portion	22	afn.-eve.			0	0	4	3	2 funnels aloft, lightning, wind
		One funnel aloft was observed 11 miles south of St. Francis at 6:48 p. and another was sighted 8 miles east of Goodland at 7:45 p. Lightning damage occurred locally in Thomas and Sheridan Counties. Wind damage was reported near Kanona and locally in Gove County.							
Marshall County	23	1:30 p.	?	?	0	0	0	4	Hail
		Hail up to 2 inches diameter fell in the area from 3 miles NE of Frankfort to 4 miles SW of Atwell.							
Gove, Trego Counties	23	evening	?	?	0	0	6	4	Hail
		Hail did extensive property damage at Wakeeney and caused some crop damage in rural areas of the two counties. Largest stones were 1 3/4 to 2 inches diameter at Wakeeney.							
Shawnee County	24	afn.			1	0	0	0	Lightning
		A man standing under a tree was killed near Silver Lake.							
<b>Kansas (continued)</b>									
Cloud County	24	6:30-7:30 p.	?	?	0	0	4	4	Wind, hail, rain
		Strong thunderstorm winds caused damage about 4 miles northwest of Concordia. Hail stones up to 1 inch diameter were reported in that area. Heavy rain west of Concordia caused flash flooding along Buffalo Creek.							
Dickinson County	24	10:00 p.							Funnels aloft
		Two funnels aloft were observed about 2 miles north of Chapman.							
Ellis County	24	10:15-10:30 p.	?	?	0	0	4	0	Wind
		Heaviest damage was at Hays.							
Finney, Scott Counties	27	afn.-eve.	?	?	0	0	3	4	Hail
		Largest hail reported was about 3/4 inch diameter in the Garden City area.							
Barber, Pratt Counties	27	eve.	?	?	0	0	3	4	Hail
		Hail up to about 1 inch diameter was reported.							
Northeast portion	29	afn.	?	?	0	0	4	3	Rain, lightning, 5 funnels aloft
		Flash flooding and lightning damage occurred in the Topeka area. Funnels aloft were reported as follows: just west of White City about 12:40 p.; just east of Alma about 12:25 p.; near Delavan about 12:50 p.; 10 miles SE of Valley Falls at 2:45 p., and southeast of Topeka at 2:58 p.							
Stanton County	30	2:55 p.	1/2	100	0	0	4	0	Tornado
		Tornado, moving north-northeast, caused extensive damage at Manter.							
Osborne County	30	9:30 p.			0	0	5	0	Lightning
		A lightning-caused fire resulted in a loss of \$70,000 at Osborne.							
East central, north-east portions	31	afn.			3	0	4	4	Rain, lightning, funnel aloft
		Three persons were killed by lightning about 1 1/2 miles west of Hoyt at 1:15 p. Scattered heavy rains caused local flash flooding. Heaviest flooding was in Linn and Marshall Counties. A funnel aloft occurred 5 1/2 miles south-southeast of Garnett about 4:00 p.							
		SPECIAL HAIL SUMMARY							
		Hail Loss Clearing House reports indicate hail was especially severe in the following counties on the dates indicated:							
		8	Barton, Clay, Cloud, Ellsworth, Lincoln, Mitchell, Ottawa, Republic, Russell, Washington						
		9	Cherokee, Cloud, Labette, Ottawa, Republic						
		10	Butler, Dickinson, Harvey, Marion, Marshall, Nemaha, Republic, Sedgwick, Washington						
		11	Dickinson, Marion						
		12	Ottawa						
		22	Sheridan						
		23	Gove, Lincoln, Ottawa, Rush						
		24	Clay, Cloud, Phillips						
		27	Barber, Pratt						
<b>Kentucky</b>									
Henderson County	10						5	0	Lightning
		Fire apparently set by lightning destroyed a furniture factory.							
Hardin County	13	8:40 p.							Funnel cloud aloft.
		Possible funnel sighted near Radcliff moving east.							
Bullitt County	13	11:00 p.							Funnel cloud aloft.
		Funnel cloud reported near Lebanon Junction.							
Blue Grass	13	p.m.			0	0	?	?	Flooding, wind, lightning.
		There were a number of heavy thunderstorms during the afternoon and night, with reports of scattered damage from flooding, wind and lightning. In Spencer County the Taylorsville Weather Bureau Cooperative Observer measured 3.7 inches of rain in 24 hours, and there were unofficial reports of amounts up to 7 inches. The water rose to just above flood at Brashears Creek in the Salt River Basin. Flash flooding was reported to have washed out bridges, cut gullies in farmland. In Bourbon County flash flooding on the Clayville Branch carried off two railroad section cars, and flooded some low-lying homes. In Scott County flooding streams were reported to have blocked some highways, and to have drowned some farm animals. News reports indicated some flooding in at least one other county, Mason, some roads being blocked.							
Hickman County	15	4:45 p.							Funnel cloud aloft.
		State police reported sighting funnel cloud moving northeast 1 mile east of Columbus. Receded into clouds.							

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>Kentucky (continued)</b>									
Henderson County	15	4:00 p.			0	2	3	0	Funnel clouds aloft, wind.
									Two men in the Geneva-Alzey section reported seeing 2 or 3 funnel clouds moving from west to east. Shortly thereafter they were injured when wind deposited a 3-foot diameter tree atop the car in which they were riding, smashing it to a height of 3 feet.
Central, Blue Grass, Northeast	25	p.m.			0	0	7	7	Lightning, wind.
									More than 3 dozen cattle were killed by lightning in at least 4 locations in the counties of Henry, Shelby and Lewis. Lightning strikes were responsible for utility outages in a number of locations, chiefly in the extreme northern Blue Grass counties and in Jefferson County; apparently, for a fire which destroyed a barn in Taylor County. Wind was responsible for a variety of property damage at scattered locations; some of this included several roofs damaged in Jefferson County, a mobile home badly damaged in Franklin County, dozens of TV antennas downed in Marion County, barns damaged in Shelby County.
<b>Louisiana</b>									
Cameron Parish	15	10:20 a							Waterspout
									Funnel cloud and waterspout sighted near the Intercoastal Waterway Bridge north of Creole.
Evangeline Parish	24	6:00-6:40p.	4	1/4*	0	0	4*	C	Tornado
									High winds, heavy rain and hail swept area north of Ville Platte. Small tornado apparently moved west through open country between Tate Cove and Chicot Park Roads then turned northward, snapping off five large powerline poles several feet above ground.
Richland Parish	24	8:30-9:00p.	1	200	0	0	4*	C	Tornado
									Small tornado struck L. Tullos farm 3 miles north of Hebert, moving northward, destroying barn and chicken coop and uprooting trees. Very heavy rain with storm.
Winn Parish	25	5:15 p.			0	0	4	0	Windstorm
									One light aircraft carried about 100 feet from moorings and demolished, another plane slightly damaged at Winnfield City Airport, two miles north of city. Very heavy rain and lightning accompanied storm. Limbs blown from trees.
Bienville Parish	25	6:20 p.			0	0	0	0	Tornado
									Tornado reported touching ground briefly four miles southeast of Gibsland. No damage.
Vermilion Parish	26	3:25 p.							Funnel cloud
									Funnel sighted moving eastward north of Kaplan.
Caddo Parish	26	5:15-6:15p.			0	0	4	0	Wind, hail, rain
									Heavy thunderstorm caused local flash flooding, blew down few trees in Shreveport. At Weather Bureau Office winds gusted to 75 mph, hail measured 1 inch in diameter, and 2.16 inches of precipitation fell in one hour.
Calcasieu Parish	28	7:50 a.							Funnel clouds (2)
									Sighted four miles east and four miles south of Weather Bureau Office, Lake Charles.
Evangeline Parish	28	12:55 p.							Funnel cloud
									Between Pine Prairie and Beaver.
Plaquemines Parish	28	2:01 p.							Funnel cloud
									Sighted about five miles south-southeast of Alvin Callender Naval Air Station.
Plaquemines Parish	28	4:47 p.							Waterspouts(2)
									Sighted from aircraft over Breton Sound near 29°5N, 89.5W.
<b>Louisiana (continued)</b>									
Lake Pontchartrain	28	5:04 p.							Waterspout
									Sighted northeast of New Orleans Lakefront Airport. Dissipated by 5:07 p.
St. Tammany Parish	31	4:25 p.							Funnel cloud
									Reported by public between Abita Springs and Cottingham, moving northward.
Maine									None reported
<b>Maryland</b>									
Northcentral portion, including Baltimore City	13-14				0	0	5	0	Wind
									Violent winds associated with thunderstorms uprooted trees, downed power and telephone lines, and damaged buildings. Martin Airfield reported gusts to 60 knots and minor damage to aircraft and equipment at 9:00 p.
Northcentral and northeastern portion	23	5:30 p.-7:00 p.			1	9	5*	C	Wind, lightning, hail, rain
									Severe thunderstorms brought death, injury and damage to scattered sections, especially in Baltimore, Howard, Montgomery and Queen Anne's Counties and Baltimore City. Winds uprooted a great number of trees, killing one Boy Scout while on a jamboree enampment at Merditt Point Beach and injuring slightly two others and also injuring slightly five others at nearby Rocky Point Beach. A Montgomery County couple (at Poolesville) were struck by lightning while standing under a tree in their farmyard and were seriously injured. Considerable damage was done at Kent Island where strong gusty winds damaged buildings and downed trees, power and telephone lines. At least one farm building and one building under construction were demolished; and at least one building was damaged by lightning. Some hail damage was noted but was not severe.
Somerset County	24	Early morning			0	0	4	0	Lightning
									Lightning struck and set fire to two homes, one at Crisfield and the other at Princess Anne. Damage was extensive.
Northern portion, including Washington D. C. area.	24	Afternoon and evening			0	7	5*	C	Wind, lightning, hail, rain
									Severe thunderstorms brought damage and injury to scattered sections, especially in Washington, Frederick, Howard, Montgomery and Prince George's Counties. Winds downed trees, power and telephone lines and damaged farm buildings and trailers. A barn roof was lifted intact, carried several hundred yards through the air and deposited in the median strip of a busy four-lane highway without inflicting death or damage to passing vehicles. Five persons escaped serious injury when high voltage lines fell across two cars in Washington County. Six persons suffered only minor injuries when the driver lost control of their car in swerving to avoid a falling branch. The wind knocked out 300 windows in a Washington County school. An operator at a radio station in Washington County was injured by lightning when the station's transmitters were knocked out. Hail to golf-ball size was reported in Washington and Frederick Counties. Hail was also reported in Montgomery and Howard Counties and in downtown Washington, D. C. hail, one-inch in size, was reported. Damage was severe, however, in a few scattered spots.
<b>Massachusetts</b>									
Northeastern	9-10	11PM-2AM			0	0	4	0	Lightning
									Intense lightning activity was concentrated along a line through Littleton and Reading. Lightning to ground at unusually short intervals, with many damaging strikes. Homes, alarm systems, transformers hit. Many utility outages. With little or no wind and only light to moderate rain, this storm was remarkable only for its extreme electrical activity and nearly continuous thunder for a prolonged time.
Berkshire area	10	2-3 PM			0	0	4	0	Lightning
									Scattered lightning damage. Loss of farm buildings by fire at North Egremont, with livestock, machinery, and other contents.
<b>Michigan</b>									
Ionia, Ionia County	1	4 PM			0	1	?	0	High Winds
									School-crossing guard suffered minor injuries when she was struck by a sign which strong gusty winds tumbled across the highway. At Lake City, flooding caused minor damage when water from Lake Missaukee was pushed into some east shore buildings.

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
Michigan (continued)										
Douglas Lake, Cheboygan County	9	4 AM			0	0	4	0	Lightning	
	Lightning-set fire destroyed a cottage and barn valued at \$30,000. Shortly after midnight, lightning set fire to a Laurium U.P. home. Damage was confined to the kitchen, but the family had to be rescued from the porch roof when smoke filled the downstairs of the home.									
Southwest Lower Michigan	12	AM			0	0	4	0	Lightning	
	At least twelve homes and cottages suffered damage due to lightning strikes. A cottage at Remus was extensively damaged by the fire as was a home near Hastings. At Holland, the lightning followed the telephone line into the building and melted the telephone on a desk.									
Pontiac, 15 N Oakland County	15	2:45 PM			0	0	0	0	Funnel Aloft	
	Confirmed funnel aloft moved eastward.									
Southeast Lower Michigan	15	3:15 PM			0	0	3	0	Hail - Wind	
	Hail reported to be ping pong ball size, 2 miles northwest of Ypsilanti and 3/4 inch in diameter 15 miles east of Flint. Minor wind damage associated with storms was reported in Ann Arbor area. Lightning damaged a home in Saline.									
Pontiac, 10 NW, Oakland County	15	7:05 PM			0	0	0	0	Funnel Aloft	
	Fibits observed funnel aloft.									
Menominee Menominee County	21	7-9 PM			0	0	3	0	Hail - Heavy Rain	
	One-inch hail, and over three inches of rain caused minor damage and localized flooding. Lightning also damaged two TV sets and a water heater.									
Northwest Lower Michigan	21	11-11:30 PM			0	0	4	0	Hail - Wind	
	Thunderstorms, strong gusty winds caused extensive tree damage south of Traverse City. A mobile home tipped over and a garage roof was destroyed by the wind. Golf ball sized hail fell in the Long Lake area southwest of Traverse City. Lightning set several small fires in Leelanau County.									
Monroe, 10 N Monroe County	22	7:23 PM			1	1	0	0	Lightning	
	Two golfers had sought shelter under a tree. The tree was struck by lightning, killing one and injuring the other at the Lilac Brothers Golf Course.									
Southern Lower Michigan	22-	PM-AM			0	0	7	0	Lightning	
	Series of thunderstorms moved across Michigan during night causing minor wind damage and setting several fires. The lightning-set fires destroyed 5 barns with loss of cattle, equipment and feed; damaged 4 homes and 1 mobile home. The largest loss, \$5,000,000 occurred at Hamtramack where fire destroyed the main building of the Swedish Crucible Steel Co.									
Southeast Lower Michigan	25	2-4 PM			0	1	4	0	Thunderstorms	
	Thunderstorms and high gusty winds caused considerable damage to trees, small buildings, and power lines. At Lexington, one woman suffered minor injuries when her house trailer was blown over. The northeast Detroit suburbs suffered \$10-15,000 damage due to trees falling on cars and buildings. Localized flooding was reported.									
Alpena 10N Alpena County	30	4 PM			0	1	0	0	Lightning	
	Lightning struck as two brothers were putting fishing gear away for return to shore. One was critically injured with burns on scalp and legs and fractured ear drums. The other was not injured.									
Minnesota Fairmont, Martin County	11-12	2 Days			0	0	3	0	Heavy Rains	
	Thunderstorm with strong lightning and heavy rains of 6 inches at Fairmont caused flooding of some streets and basements. Lightning strikes; knocked off several cornice stones from the bell tower of a church; five other lightning strikes damaged several trees and utility poles, ruined a TV & radio set and about 500 homes were without telephone service for 2 days.									
Finlayson Pine County	20	7:00pm			0	0	4	0	Lightning	
	Thunderstorms with lightning, heavy rains of 2 to 3-1/2 inches and some hail. Lightning strikes caused \$20,000 in fire damages; the fires destroyed a small church in Finlayson at 7:00pm and also caused major damage to a home 1W of Finlayson at 7:00pm. Funnel-like cloud observed over Grindstone Lake 7 miles southwest of Finlayson at 7:00pm which soon dissipated.									
Minnesota (continued)										
Northeast Minnesota	20-21				0	0	5	0	Hail & Heavy Rains	
	Thunderstorms with hail and heavy rains caused damages in several areas late on 20th and into the 21st. Early on the 21st golfball hail caused damage to 8 airplanes at Sky Harbor Airport and did considerable more damage in Superior, Wisconsin. Heavy rain of about 5 inches at Winton-Ely areas thru the night of the 20th-21st caused about \$20,000 worth of damages in basement flooding. Several road washouts were reported across Northeast part of State. Water levels reached 3 feet in areas of downtown Ely-canoes were used.									
Goodhue and Wabasha Counties	27-28	During the Nite			3	0	6	6	Flash Flood	
	Heavy rains of 4 to 6 inches (added to saturated soil from previous rains) late evening of the 27th and early morning of the 28th caused flash flooding; particularly in central and eastern Goodhue County and the northern part of Wabasha County. Watersheds: Trout Brook-Zumbro River and Belle Creek-Cannon River reported the most severe flooding. Several cars were swept from roads drowning 3 persons, several bridges were washed out and all roads in the area suffered some damage. Newly seeded crops and fertilizer were washed out and erosion of farm land on hillsides was common. About 175 head of livestock were drowned. Road and bridge damage was estimated at \$1.5 million dollars and crop and land erosion damage at \$2.6 million dollars. The Zumbro River at Zumbro Falls rose 11 feet in one hour at 02:45am and crested at 06:30am on the 28th at 3.4 feet above flood stage. Some loss of newly seeded crops and fertilizer from erosion on farms in Dodge, Olmsted, Minnopa, Mower, Fillmore and Houston Counties was also reported.									
Hills, Rock County	28	Early Morning			0	0	4	?	Flash Flood	
	Thunderstorms with heavy rains of about 5 inches were reported at Hills with much greater amounts south into Iowa. Mud Creek flooded and caused walls to collapse in one home at Hills. Streets, roads and some crop damage was also reported.									
Mississippi Mississippi Sound	3				0	0	?	0	Bad Weather	
	Bad weather in the Gulf of Mexico prevented people on Horn Island from returning to mainland. The Coast Guard evacuated about 13 persons. No injuries were reported.									
Lowndes County	10	3:28 p.-3:43 p.			?	?	0	?	Hail	
	During storm that moved from SW towards NE, hail fell at Columbus Air Force Base (lat. 33.6°N, long. 88.4°W) and covered 75-85 % of the ground. The average diameter of the stones was 3/4 inches and the largest was 1 1/2 inches.									
Lafayette, Pontotoc and Union Counties	10	about 4:00 p.-4:15 p.			13	up to 250	0	?	0	Tornado
	Tornado touchdowns were reported at intervals near a line from Toocoo, Lafayette County through the NW corner of Pontotoc County and into the Union County portion of the Pleasant Dale Community. LAFAYETTE COUNTY: Newspaper noted, "The tornado struck Toocoo about 5 p.m. CDT; there was damage to a garage, barn, a porch and nearby shed. On Fudgetown Road a huge barn and 6 small outbuildings were damaged and a number of trees uprooted. On Bell River Road roof of home practically blown off and fruit trees were uprooted. From near Lafayette Springs (lat. 34.3°N, long. 89.3°W) there was a public report of a roaring sound and a funnel sighted; later reports of damage; about N Lafayette Springs a shed was lost and a mobile home was blown 3 ft. off its foundation. Large trees were blown across the CCC road in the NE part of the county near Lafayette Springs; on the Pontotoc County line a garage and barn were destroyed also a number of trees uprooted. PONTOTOC COUNTY: Just over the line in Pontotoc County a carport was blown away, and a large tree deposited across a car and pick-up truck. Newspaper noted, "A tornado streaked through the Northwest corner of Pontotoc County. . . The tornado dipped down about 5:15 (p.m. CDT). . . in the Pleasant Dale Community (lat. 34.1°N, long. 89.2°W) near the Pontotoc and Union County lines. . . The storm traveled from the Southwest to the Northeast. . . Many persons reported seeing the storm funnel from at least five miles away." It was observed to lift and dip, a woman to the south of the path said, "we were standing on the porch watching and saw the dark cloud before it hit. It was black and rolling and had red in it like a far-away fire and then it began to hail. The roaring was loud; it sounded like a dozen planes before the wind hit." Her home lost 1 to 2 panes from 7 windows, and in the yard 3 trees were uprooted and an apple tree lost its top. The main path of damage was through a wooded area where trees were broken and twisted. UNION COUNTY: A few minutes later the tornado dipped down and destroyed a new house trailer. The owner had been									

See reference notes at end of table.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Mississippi (continued)									
									approaching it and said, "When I rounded the curve I saw my trailer leaving and I put the car in reverse. The trailer was carried at least 200 feet into the air before it disintegrated and some of the pieces and furnishings went 300 feet. . . . The base of the trailer was the first part to fall back to earth several hundred feet from the dwelling site; the contents of the trailer were scattered - a bathtub and stove in the nearby woods, and clothing, still on hangers, hung from trees. Nearby a chicken house and a cow barn were damaged. Other damages in the tornado's path included, vacant house badly damaged, several trees uprooted and other timber left broken and twisted.
Monroe County	10	approx. 8:30 p.	20	?	0	4	5	0	Tornado
									Amory newspaper noted, "The storm traveled from the southwest to the northeast, striking first in Aberdeen, where it wrecked havoc, then to Becker, Amory and Smithville. . . . In Amory, . . . Hatley Road and Eastaven Subdivision were the hardest hit areas in the city. . . . Trees were felled all the way to Smithville. . . . No. . . . flooding conditions were reported in the North Monroe County area, however, city-wide (in Amory) damage to property was inestimable. Duration of the storm was about 20 minutes." Aberdeen newspaper reported, "A tornado. . . struck. . . downing trees and causing major damage to property. . . mobile home . . . was totally demolished when the tornado apparently passed over the dwelling. Minor injuries were sustained by the four occupants. The home was parked at Spry Acres Trailer Park." Nearby, "Four airplanes were damaged at Aberdeen's Stinson Field. Two were torn from their moorings and received major damage. . . . Trees were downed. . . near Highway 45 north, Treas Lake, Pullen Lake Road, and Big John Road. Some trees snapped in the middle. . . and others were pulled up by the roots. . . . Several houses in the Aberdeen area reported minor damage. . . . At Becker the " . . . Feed Mill was heavily damaged with the tin roof being lifted. . . a huge oak tree. . . was downed, smashing flat a car parked nearby. . . a pickup. . . was moved 132 feet across the yard by the force of the storm." The Highway Patrol reported that at about 9:05 p.m. in Amory (lat. 34.0°N, long. 88.5°W) trees down and power out, drive in theater screen 4 N Amory downed, damage in NE section Amory, also lots of large hail; storm moving to NE.
Northern Third of State	10-11	p.m.-a.m.			2	0	6	?	Thunderstorms, Heavy Rain, Hail
									A line of electrical storms bearing torrential rains and high winds moved through North Mississippi, left widespread property damage and flooded much of area but residents near Houston, Chickasaw County, reported, "only a sprinkling." Highway Department reported many road shoulders "washed away"; storm drains plugged up in the aftermath, and in some places trees had fallen across the highways. LAFAYETTE COUNTY: The County Sheriff said the area "received a tremendous amount of rain, hail and high winds. Water is everywhere. . . and creeks are flooded." The Sheriff said some autos were washed into ditches E. of Oxford, and wind damaged several homes and farm buildings. Oxford newspaper headlined, "Flood damages could total \$1 million!" It noted "A survey of the five districts in Lafayette County reveals estimated damages to the roads from the seven-inch rain on Sunday evening, May 10, is approximately \$177,000. . . . In each instance the Supervisors reported much concern in their area of the county for the damage that was sustained by land-owners, where from six to eight inches of top soil was completely washed away. Also on other farms a tremendous deposit of sand has been reported. The sand deposits in some instances are as much as a foot in depth. . . . Levees on at least two lakes in the county could not match the pressures of the high water and finally sections washed away and drained the lakes. Lafayette farmers are faced with almost a total loss to crops that had been planted." At about 5 SE Oxford (lat. 34.3°N, long. 89.4°W), Highway Patrol reported about 4:15 p.m. a straight line wind blew down a rather large barn and destroyed a small unoccupied tenant house; other reports of golf ball size hail about the same time. On the morning of the 11th the cooperative weather observer measured the 24-hour rainfall amount of 6.52 inches at University and 7.19 inches at Lafayette Springs. PONTOTOC COUNTY: Newspaper noted, "Creeks and drainage canals were swollen to overflowing all over Pontotoc County." The Lappatubba Channel near Ecu reached record proportions morning of 11th following 5.35 inches rain which fell Sunday night. In Longview Community lightning struck home about 10 p.m. (ST) it was destroyed in subsequent fire; occupants, man 84 and wife 78 found dead. LEE COUNTY: Paper noted Tupelo Mayor, "estimated about \$50,000 worth of damage to streets and storm drains following the torrential rains. . . Sunday night. . . . Street Commissioner. . . said, 'quite a bit of damage was done to street shoulders and culverts' but it would take a few days to determine fully other damage. Light and Water Supt. . . . reported a hectic night of repairing lightning damage to transformers and safety devices."
Gulf of Mexico	23	8:40 a.							Waterspout
									Pilot reported waterspout 75 SSE New Orleans International Airport (lat. 29.6°N, long. 88.8°W).
Rankin County	24	afternoon			1	0	0	0	Lightning
									On a golf course at Star, one man age 35 took refuge from thunder-shower under a tree, four companions took refuge under another tree, lightning struck and the lone man was killed.
Washington County	29	afternoon			0	0	0	?	Heavy Rain, Hail
									Leland newspaper noted, "A thunderstorm traveling south between Indianola and Leland Friday afternoon (29th) failed to drop any rain on those towns. But it flooded fields of . . . place halfway between the two towns with two inches of rain. And further on south it dumped 2.8 inches in one hour on B. H. McGee's place at
Mississippi (continued)									
Warren County	29	6:00 p.			0	0	0	?	Hail
									Pantherburn and five inches for the night. Heavy hail that started 15 minutes after the rain severely damaged over 200 acres of cotton belonging to Mr. McGee and over 700-acres belonging to Charles Dean, Jr. 'The cotton that got under water before the hail wasn't hurt,' commented Mr. McGee."
Mississippi Sound	31	7:10 a.-7:15 a.							Waterspout
									Storm reported to have moved from E towards W. Woman at Bovina wrote, "Severe black, black cloud over East. . . lightning was severe. . . crops in NE. Bovina hurt because of flash flooding." Hail partially covered ground at Bovina, average diameter of stones 1 inch.
Hinds County	31	6:15 p.			0	0	?	0	Wind
									Highway Patrol reported waterspout 4 miles off shore from Gulfport (lat. 30.3°N, long. 89.1°W) moving W. At 7:15 a.m. Civil Defense reported waterspout breaking up.
Missouri	5	8:30-9:30 PM							Hail
Jackson, Ray and Caldwell Counties									Jackson Civil Defense Director reported one or two trees blown down on North West St. (lat. 32.3°N, long. 90.1°W), and on Lynch Street.
									Hailstorms over the Kansas City Metropolitan area and northeastward to the Kingston area of Caldwell County produced sporadic reports of large hail. Specific large hail reports are as follows:
									8:30 PM 2" Hail Rayville, Ray County
									8:45 PM 1/2-3/4" " Jct. I-70 & I-435 Kansas City, Missouri
									9:00 PM 1" " 10 miles SE of Airport
									9:20 PM 1-3/4" " Kingston
Kansas City Metropolitan area	9	2:40-3:30 PM							Hail
									Thunderstorms over the Kansas City Metropolitan area produced a few reports of hail from 3/4 to 1-3/4" diameter, and some funnel cloud reports over southern Jackson County. Specific large hail reports are:
									2:40 PM 3/4" Hail Gladstone, Clay County
									3:30 PM 1-3/4" " Belton, N. Cass County
									3:55 PM 3/4" " Richards-Gebaur AFB, Grandview, Missouri
Jackson County, S.	9	3:05-3:30 PM							2 Funnels Aloft
									A funnel cloud aloft was reported in southern Jackson County in the Winchester (9 mi. south of Kansas City) and Raytown (9 mi. southeast Kansas City) areas at 3:05 PM and another at 3:30 PM near Grandview, Missouri.
Kirkville, Adair County	9	3:05 PM							Hail
									One inch hailstones reported at Kirkville Airport.
Mexico, Adrain County	9	3:30 PM							Hail-Wind
									Hailstones to golf ball size (1-3/4") and strong winds hit Mexico with the heaviest roof damage in the southwest part of town.
Jasper, Newton, Lawrence and Barry Counties	9	6:30 - 8:00 PM							Hail-Wind
									Thunderstorms with large hail and some damaging winds hit southern Jasper and Newton Counties and moved east-northeastward into southern Lawrence and northern Barry Counties. Specific reports are:
									6:30 PM 2-3" Hail Joplin, Jasper County
									7:15 PM 2" " Neodho, Newton County
									8:00 PM Damaging winds in Pierce City and Monett areas.
Whiteman Air Force Base, (Knob Noster, Jackson County)	9	5:41 PM							Hail
									3/4" hail reported.
Camdenton-Linn Creek, Camden County	9	6:40 PM	5.8	50				4	Tornado
									A small tornado caused intermittent destruction along a narrow southwest to northeast path from two blocks southwest of the U.S. 54-Missouri 5 Junction in Camdenton to a farm on the Anderson Hollow Road 2-3/4 miles northeast of Linn Creek. The most extensive damage occurred to lumber company warehouses on U.S. 54 in northeast Camdenton and to a home and trailer on Route A 1-1/2 miles northeast of Linn Creek.
Woolridge, Cooper County	9	6:45 PM							Hail
									1" hail reported.
Crowder-Blodgett-Commerce areas, Scott County	9	9:00-9:08 PM							Tornado

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Missouri (continued)									
Table Rock Lake, southeast Barry County	9	9:00							Funnel Aloft
West Central Missouri	10	1:00-6:00 PM			2	6			Hail-Wind
Columbia, Boone County	10	5:30 PM							Funnel Aloft
Little Dixie Lake (E. Callaway County)	10	5:45 PM			1				Lightning
Kirksville, Adair County	12	8:45 AM							Hail
Southern Jackson County	13	1:33 AM							Funnel Aloft
Lee's Summit, Jackson County	13	1:50 AM							Funnel Aloft
Greentop (Schuyler County) to Memphis (Scotland County)	13	6:25 PM							Tornado and Funnel Aloft
Knox City-Colony, Knox County	13	7:30 PM	5			4			Tornado
Sedalia 1 W, Pettis County	14	3:53 AM							Funnel Aloft
Amity, DeKalb County	14	5:00 AM							Lightning
St. Charles 2 S, St. Clair	14	1:45 PM		Public Report					Funnel Aloft
Archie, 4 W	14	2:15 PM		" "					" "
Whiteman Air Force Base, 10 South	14	6:49 PM							Funnel Aloft
NE Cooper County	14	7:40 PM							Funnel Aloft
Platte City, Platte County	22	8:00 PM							Hail-Wind
Raymore, Cass County	28	6:43 PM							Funnel Aloft

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	
Missouri (continued)									
Liberty-Mosby, Clay County	29	1:40-1:45 PM							Funnel Aloft
Jackson, 3-1/2 NE, Cape Girardeau County	29	2:30-PM	1/2	50			4		Tornado-Hail
St. Louis, St. Louis County	29	4:15 PM							Thunderstorm-Winds
LaMonte, Pettis County	31	afternoon					1		Lightning
Pleasant Hill 4 SW	31	1:42 PM							Funnel Aloft
Montana									
Between Kalispell and Poison; Flathead and Lake Counties	10-11	Evening to Early Morning	50-75	*30	0	0	4	0	Heavy, wet snow and strong wind
Bozeman, Gallatin County	20-31				0	0	4	7	Flooding
Near Kirby, Big Horn County	27	Evening	?	?	0	0	2	3	Hail, high wind
Near Billings, Yellowstone County	27	Afternoon	10	1500	0	0	4	7	Hail, high wind
Nebraska									
Kimball County	7	4 p	Spot	Spot	0	2	0	0	Lightning
Nuckolls County	8	6:30 p.	?	?	0	0	4	4	Hail
Douglas County	11	2:15 a	Short	Narrow	0	0	0	0	Hail
Northeastern Nebr.	11	4:30 a to 6:30 a	30	7*	0	0	4	4	Hail
Antelope County	11	6:50 a	?	?	0	0	0	0	Hail

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>Nebraska (continued)</b>									
Gage County	11	6:30 p	?	?	0	0	0	0	Hail
Some 1" hailstones at Beatrice. No damage reported.									
Jefferson County	11	7:30p - 8:30p	20	?	0	0	4	4	Hail
Hail fell from Gladstone to Miller in southern Jefferson County. Mostly 1/4" to 1/2" stones, but ranged up to 1 1/2" in Fairbury, to 2" at Diller and 3" west of Fairbury. Most of damage was in Fairbury where windows, roofs, automobiles, etc. were damaged. Some hail accompanied by wind, other with no wind. Crop damage limited by earliness of season and lack of wind at many sites.									
Lincoln and Custer Counties	12	3:30a - 5:30a	60	Narrow	0	1	5	0	Tornado, damaging winds, hail
A severe storm moved from North Platte to Broken Bow. Several funnel clouds were sighted in North Platte, again at Callaway, and one finally touched down at Broken Bow. The storm was accompanied by high winds and hail. Trees, sheds, power lines, etc. were damaged by high winds at North Platte where wind gusts were measured at 75 MPH. Hail stones with the storm were mostly about 1" in diameter, but some 3 1/2" stones were reported in Broken Bow. The tornado destroyed buildings, trees, house trailers, and power lines in the eastern portion of Broken Bow.									
Northeast Nebraska	12	About 6:30a	15	Narrow	0	0	4	4	Hail
Hail in Pierce and Cedar Counties for second day in a row. A strip from Osmond to 5-8 miles north of Randolph. One-half inch stones ranging up to 1 1/2" diameter north of Randolph where ground was covered to a 3" depth.									
Douglas County	13	1:15 a	-	-	0	0	0	0	Funnel cloud
Observed near Offut Air Force Base.									
Grant County	13	Evening	5	4	0	0	0	5	Hail
Principally southwest of Grant - scattered small areas elsewhere in Perkins County. Wheat and rye completely destroyed in center of storm.									
Blaine County	22	Evening	?	?	0	0	0	4	Hail
Hail covered ground east of Brewster with depths ranging up to 6". Alfalfa crop destroyed.									
Hall County	22	Night	?	?	0	0	0	4	Hail
Hail ranging up to 1 1/2" diameter fell 5 miles northwest of Wood River.									
Cheyenne County	23	1:42 p	?	?	0	0	0	0	Hail
3/4" hail at Sidney.									
Hall County	23	11:30 p	-	-	0	0	0	0	Funnel Cloud
Observed 15 miles NW of Grand Island									
Statewide	24	Afternoon & Evening	-	-	0	0	4	5	Hail, lightning, wind
Widespread thunderstorm activity. Lightning strikes at several points. Minor wind damage. Hail, mostly small, fell at many points including areas at or near Heringford, Alliance, Sidney, Imperial, McChok, Minden, Kearney, Fremont, and Lincoln. The only large stones reported were 1 3/4" diameter at Sidney and 1" at Fremont. Crop damage was limited by early stage of development, except for some wheat damage in Chase and Cheyenne Counties and considerable sugar beet damage near Heringford.									
Antelope County	24	8p	-	-	0	0	0	0	Funnel cloud
Observed 10 miles northwest of Minden.									
Box Butte County	28	12:15p - 12:50p	-	-	0	0	0	0	Funnel clouds
Several funnel clouds (3 estimated) sighted northeast of Alliance.									
Hayes County	30	?	?	?	0	0	0	4	Hail
Some damage to wheat.									
<b>Nevada</b>									
IL Ranch, Elko County	6	2:00 PM	-	-	0	0	0	0	Hailstorm
Heavy hail, reaching in size from 1/2 to 1 inch in diameter and associated with a passing thunderstorm, fell on IL Ranch, about 55 miles northwest of Elko, Nevada. No damage was reported.									
Elko County	13	1:30 PM	6	1/2 mile	0	0	0	0	Tornado
A schoolteacher (Mr. S. Lovell) and all of his fourth grade class witnessed a tornado about 10 miles west of Henrieville, Utah. The tornado dropped from a dark thunderhead and moved north for about six miles. The tornado, which developed in the open country, produced a duststorm and uprooted some tumbleweed; otherwise no other damage was reported. The storm dissipated after 15 minutes.									
<b>New Hampshire</b>									
None reported									
<b>New Jersey</b>									
None reported									
<b>New Mexico</b>									
Alamogordo	10	3:20 p.	-	-	2	3	-	-	Wind, dust devil
Canopy blown off building injured two persons. Just devil at fairgrounds damaged roofs and walls of booths and barns.									
Las Vegas	14	3:54 p.	-	-	-	-	-	-	Hail
Hail to 1-inch diameter. No damage reported.									
Lea County	25	9:45 a.	Short	Narrow	-	-	-	-	Tornado
Tornado 35 miles northwest of Lovington, near Caprock, touching down off and on. No damage reported.									
Chaves County	25	10:40 a.	Short	Narrow	-	-	-	-	Tornado
Tornado 12 miles east of Roswell. No damage reported.									
Lea County	27	12:30 p.	Short	Narrow	-	-	-	-	Tornado
Tornado 16 miles west-southwest of Lovington, near Buckeye, destroyed unoccupied trailer house, moving it 40 feet.									
Eddy County	27	Afternoon	Short	Narrow	-	-	-	-	Tornado
Tornado sighted near Duval Potash Mine, moving northeast. No damage reported.									
<b>New York</b>									
Niagara Falls and Grand Island	25	6 to 7 p.m.	-	-	-	-	3	-	Wind, electrical, hail
Brief thunderstorms struck sections of Niagara Falls and Grand Island with 1/4-inch hail and winds up to 45 mph. (measured at Niagara Falls Int. Airport). Several plate glass windows smashed in Grand Island and numerous large limbs and trees downed by winds in Niagara Falls. Property damage from falling trees minimal but power and telephone lines broken at scattered points as well as streets blocked by debris. One or more houses struck by lightning but fire and structural damage was minor. Hail caused light damage to shrubs, flowers and home gardens. Strong winds and lightning reported in Lockport, Middleport and Medina areas.									
<b>North Carolina</b>									
Alliance & Durham Counties	14	5-6pm	-	-	-	-	4	0	Electrical
Electrical damage to several homes. Power & telephone service knocked out over a considerable area.									
Buncombe, Cleveland, Gaston, Haywood, Henderson, Jackson, Swain Counties	15	4-9pm	-	-	0	1	4	4	Electrical, Hail
Man hospitalized when struck by lightning on golf course near Waynesville. Several fires set by lightning, some damage to telephone facilities. Hail damaged crops 3 counties. One inch hail reported by aircraft 15 miles west of Asheville.									
Burke, Henderson, Stokes Counties	16	5-10pm	-	-	-	-	4	4	Wind, Hail
Wind unroofed pavillion in Morganton. Hail damaged crops.									
Burke, Yancey Counties	21	Aftn & eve	-	-	-	-	4	4	Electrical, Hail
Lightning struck & damaged school in Valdesse. Hail damaged crops.									
Burke, Forsyth, Jackson, Madison, McDowell, Stokes Counties	22	3-6pm	-	-	-	-	4	4	Electrical, Wind, Hail
Six cattle killed by lightning. Wind blew down trees, damaged roofs and porches. Hail damaged crops.									
Surry, Transylvania Counties	23	3-6pm	-	-	-	-	4	3	Electrical, Hail
Lightning burned a barn and damaged two churches. Hail damaged tobacco crop.									
<b>North Dakota</b>									
Southwest quarter	8-10	-	-	-	0	0	6	-	Heavy Rain
Heavy rains fell over southwestern quarter of state on May 18th and 9th with lighter rain continuing through the 14th. Total amounts for May 8, 9, and 10 of up to 6 inches were centered in the Richardson area, with three to five inches in triangle from Medora to Riverdale to Lemmon, S. D. The torrential rains caused considerable road, culvert, and small bridge damage. Flooding occurred primarily on the tributaries of the Heart and Cannonball Rivers, notably on Big Muddy and Antelope Creeks. In Almont, 100 persons were evacuated by National Guard on May 8. In Hebron, water flowed 6 inches deep down Main Street. 20 families were evacuated from their homes in Hebron. Streamside farms and ranches were evacuated below the 60 foot earthen Sheep Creek Dam (3 miles south of Elgin) which broke on May 8. Herman Stommel of the Bismarck Weather Bureau estimated damages to road, bridges, dams, etc. at \$1,355,000.									
Gwinner	20	noon	-	-	0	1	3	0	Wind Storm
Northward moving thunderstorms with roll cloud moved over city about noon causing considerable damage. Windows in kindergarten room in school blown in cutting face and blouse of student. Tin torn from roof of elevator.									
La Moure	24	1:30p	-	-	-	-	-	-	Funnel Cloud
Funnel cloud sighted by cooperative observer.									
Rutland	24	5:30p	-	-	-	-	-	-	Funnel Cloud
Southeast	28-29	3:30p-4:00a	-	-	0	0	5	7	Tornado, Funnel Clouds, Heavy Rain
Small tornado touched down briefly at 4:30p at Whitestone Battlefield State Historical Site, 15 miles Southwest of Edgeley ripping concession stand from concrete slab by breaking bolts holding it									

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	
North Dakota (continued)									
Ohio Brunswick Area Medina County	1	6:00p			0	0	3		Funnels aloft and wind
Columbus Area Franklin County	11	7:34p							Funnel aloft
Northern Areas	11	Evening			1	0	4		Electrical
Western Half of State	12	Morning and afternoon			0	0	5	C	Wind, rain, electrical and hail
Ridgeville Cors. and Holgate Areas, Henry County	12	1:30p	15	50	0	0	4		Tornado
Sabina, Clinton County	12	5:24p	Short	60	0	0	4		Tornado
Statewide	13	Morning-afternoon			0	0	6		Wind, rain, and electrical
Cardington Area, Morrow County	13	11:15a	Short	150	0	5	3		Tornado and rain
Waldo, Marion County	13	11:30a	1	100	0	0	4		Tornado
Ohio (continued)									
West Liberty Area, Logan County	14	7:53p	2	350	0	0	5		Tornado
Dayton Area, Montgomery County	14	9:35p			0	1	4		Wind
Mount Gilead Area, Morrow County	14	10:45p	3	700	0	6	5		Tornado and rain
Northwest Areas	15	Evening					?		Wind and rain
Ottawa, Putnam County	15	7:55p							Funnel aloft
Hicksville Area, Defiance County	15	8:24p							Funnel aloft
Lima, Allen County	15	8:25p							Funnel aloft
Mc Cutchenville, Wyandot County	15	9:20p							Funnel aloft
Bryan Area, Williams County	16	12:13a							Funnel aloft
Northeast and Central Area	23	Morning and afternoon			0	1	4		Electrical and hail
Springfield Area, Clark County	23	9:02p							Funnel aloft
Northern Two-Thirds of State	24	Afternoon			1	2	4		Electrical, wind, and hail
Bellaire Area, Belmont County	24	5:00p							Funnel aloft
Scattered Areas	25	Afternoon					5		Wind, hail, rain, electrical

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Oklahoma Skistook and Owasso areas, Tulsa County	1-2	a.m., 1st P.M., 2nd	7	7	0	0	7	0	Flooding
									Heavy rains in northeastern Oklahoma on April 30 caused Bird Creek to flood. Thirty-two blocks of Skistook were under water on the 1st, and Owasso was flooded on the morning of the 2nd. Several highways were closed in the area.
Miami, Ottawa County	9	6:35p.							Funnel aloft
Near Miami, Ottawa County	9	7:13p.							2 Funnels aloft
Broken Arrow area, Tulsa County	9	About 7:30p.	?	?	0	0	?	0	Hail, wind, and rain
									Hailstones measuring up to 1 3/4 inches in diameter, high winds, and heavy rain struck the area. The hail damaged automobiles and roofs of buildings. Heavy rain fell during the storm.
1NE Pryor, Mayes County	9	About 7:30p.							Funnel aloft
Salina and Spavinaw area, Mayes County	9	7:52p.-8:15p.	10	Narrow	0	0	3	0	Tornado
									The funnel was first sighted aloft 1 mile north of Salina at 7:52p., and was next sighted at 8:15p. near Spavinaw, where it dipped near the ground and removed the roof from one building and damaged a service station.
Quapaw, Ottawa County	9	8:05p.							2 Funnels aloft
6S Quapaw, Ottawa County	9	8:30p.							2 Funnels aloft
2S Claremore, Rogers County	9	Evening			0	0	0	0	Hail
									Hailstones, measuring 2 1/2 inches in diameter, fell, but no damage was reported.
Tulsa, Tulsa County	9-10	p.m., 9th - a.m., 10th	4	*3	0	0	6	0	Flash-flooding, hail
									Excessively heavy rainfall of from 6 to 10 inches over portions of eastern and southern metropolitan Tulsa caused major flooding on Mingo and Joe Creeks. About 260 homes were flooded along Mingo Creek and another 50 along Joe Creek. Hailstones, measuring up to 1 1/2 inches in diameter, fell, but caused no damage.
Sayre area, Beckham County	12	5:02p.-5:30p.	7	7	0	0	7	7	Hail
									Hailstones, measuring from 1 to 2 1/2 inches in diameter, caused minor property and crop damage. The storm was moving from southwest to northeast.
4SE Hollis, Harmon County	12	Before 5:25p.							2 Funnels aloft
Beckham County	12	6:00p.-7:00p.	?	?	0	0	0	?	Hail
									Hailstorm struck the county causing damage to 10% of wheat crop. Hailstones, measuring up to 2 1/2 inches in diameter fell at Elk City and stones, measuring 4 inches in diameter, fell 3 miles southwest and 6 miles northwest of Elk City.
Vinita, Craig County	13	About 5:00p.	?	?	0	0	0	0	Hail
									Hailstones, measuring 1 inch in diameter, fell.
10NW McAlester, Pittsburg County	22	2:55p.							Funnel aloft
Eva area, Texas County	22-23	Night	?	?	0	0	?	?	Hail and rain
									Hailstones, size unknown, damaged 50 to 70 percent of the wheat crop northwest of Eva. Rainfall amounts up to 3 inches were reported.
Hobart area, Kiowa County	27	4:30p.-6:30p.	15	*10	0	0	0	?	Rain, hail, wind, funnel aloft
									Winds were reported gusting up to 55 MPH at Hobart. Hailstones, measuring up to 1/2 inch in diameter, caused some crop damage. Heavy rain caused minor local flooding. One funnel aloft was sighted.
Vicinity of Eldorado, Jackson County	28	5:45p.-9:20p.	?	?	0	0	0	0	3 Tornadoes, 5 Funnels aloft
									Eight funnel clouds were sighted in the area by Civil Defense officials. Three of the funnels touched the ground in open country, two west of Eldorado, and one south of Eldorado. The storms were moving toward the northeast and the funnels were sighted on the
Oklahoma (continued)									southwest edge of the storm. One-fourth inch hailstones fell during the storm.
Near Erick, Beckham County	28	Evening							Funnel aloft
Near Hobart, Kiowa County	28	Evening							Funnel aloft
3SE Weatherford, Custer County	28	11:15p.							Funnel aloft
Southwest and West-Central parts of State	28-29	Night			0	0	?	?	Wind, hail, lightning, and heavy rain
									Severe thunderstorms moved eastward across southwest and west-central Oklahoma causing property and crop damage. Winds were estimated at from 60 to 75 MPH at Elk City, where plate glass windows were blown out of two business houses and limbs were blown out of trees. Cars ran off of I-40 east of Weatherford in the blinding wind and rain storm. Power was knocked out at Sayre when the wind blew down utility poles east of town. An oil storage tank exploded when struck by lightning 3 miles southeast of Kingfisher catching another storage tank on fire. Both tanks were destroyed. A trailerhouse was overturned by the wind at El Reno. Heavy rain caused flash-flooding in several areas. The wheat crop was damaged by the heavy rain and some hail, but the damage was not extensive.
Oklahoma City, Oklahoma County	29	7:30a.			0	0	5	0	Lightning
									Fire, set by lightning, destroyed a church.
Oklahoma City, Oklahoma County	29	a.m.	?	?	0	0	6	0	Flash-flooding
									Rains of 5 to 7 inches caused a rapid rise in Lightning Creek in southern Oklahoma City, flooding several hundred homes. Rainfall at the Weather Bureau station at Will Rogers World Airport totaled 5.6 inches, but there were unofficial reports of around 7 inches.
Just south of Broken Arrow, Tulsa County	29	2:45p.							Funnel aloft
Vicinity of Prague, Lincoln County	29	4:00p.-4:15p.							2 Funnels aloft
SW Fort Smith, Ark. in LeFlore County, Oklahoma	29	8:15p.							Funnel aloft
4W Okemah, Okfuskee County	29	Evening			0	0	3	0	Tornado
									A tornado touched down briefly 4 miles west of Okemah damaging the main building at Territory Town U.S.A., a Frontier museum and park.
Near Shawnee, Pottawatomie County	29	Evening			0	0	0	0	Hail, rain, 3 funnels aloft
									Three funnel clouds were sighted near Shawnee, but none touched the ground. Hailstones, measuring 1 3/4 inches in diameter and heavy rain fell during the storm, but there was no reported damage.
Near Eldorado, Jackson County	31	Evening							Funnel aloft
Oregon Albany near, Linn County	11	11:45 am							Funnel aloft
									A funnel aloft was sighted just east of the Albany airport by three persons at the airport and a pilot flying nearby. The associated thunderstorm cells moving eastward across the Willamette Valley produced 1/4-inch size hail and rain in the Albany area. The funnel spiraled downward from the cloud base three times before dissipating. The third appearance showed the greatest rotating motion and size.
Pacific									None reported
Pennsylvania Snyder County	12	Afternoon					4	3	Lightning
									Lightning set a large barn ablaze near Kreamer. The barn was a total loss estimated at \$20,000.
York County	12	5 p.m.					4	3	Lightning
									Fire caused over \$40,000 damage after lightning struck a stone bank barn during a thunderstorm near York.
Southwestern Pa.	13	Afternoon-evening			1		4		Lightning, wind, and rain
									In Pittsburgh a man was electrocuted when he went outside during a rainstorm to remove a fallen electrical wire from his car. Winds were clocked at 58 miles per hour in that city causing small scale blackouts. In Washington County lightning struck the steeple of a church in West Alexander at 6:50 p.m. and started a blaze that took an hour and a half to extinguish. Scattered power failures were reported. Minor flooding occurred in many places. In the Uniontown area there were three reports of minor damage caused by lightning to buildings.

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>Pennsylvania (continued)</b>									
Chester County	13	Evening			1	3	3		Lightning, wind
	A man was struck by lightning near a stream in the Valley Forge area. He received hospital treatment for contusions and abrasions. High winds which accompanied the severe storm did widespread damage to newly leafed trees and caused widely scattered power interruptions.								
Huntingdon County	13	Evening					3		Wind
	A severe storm marked by high winds, thunder and lightning caused an estimated \$1,500 at a home near Latta Grove in Hares Valley. High winds blew off the roof of the house and scattered it over a wide area.								
Somerset County	16	Afternoon			2	4	4		Rain, wind
	Crops were washed out, gardens inundated and a dairy farmer's loafing pen destroyed by nearly two inches of rain and strong winds up to 45 miles per hour throughout the county. Damage to the loafing pen was estimated at \$5,000. State police reported ten skidding accidents on the Pennsylvania Turnpike during the rain-storm. Total damage to the vehicles was estimated at \$2,325. Two passengers in one of the cars involved in an accident had to be treated for cuts and bruises.								
Erie County	22	Night				2			Lightning
	Lightning struck a home in Erie causing \$150 damage.								
Lawrence County	23	Evening				3			Lightning
	In New Castle at 5:22 p.m. lightning damaged a television set with losses estimated at \$589, and at 7:42 p.m. lightning struck a house causing an estimated damage of \$2,600.								
Lancaster County	23	Afternoon			1	5	4		Rain, lightning, wind
	Flash floods caused by a 1.8 inch rainfall during a half-hour storm left residents in low-lying sections of Lancaster knee-deep in water. Wind toppled a giant tree onto a car, demolishing the vehicle and injuring the driver. A bolt of lightning, traveling along electric wires, did considerable damage to the interior of a house. Trees fell on and downed power lines causing scattered blackouts. Heavy winds destroyed a trailer located near Rising Sun about 4 p.m. Loss of the trailer was estimated at \$3,000. No estimate of the damage to the contents was given.								
Bucks County	23	5 p.m.				4	4		Hail
	A hailstorm caused damage estimated at tens of thousands of dollars to property in New Hope. Hailstones as big as an inch and a half in diameter caused \$5,000 to \$70,000 in damage to a green house.								
Montgomery County	23	Evening				3			Lightning
	Lightning struck in three different places causing minor damage and scattered power failures in Norristown.								
Franklin County	24	Afternoon			4	4	4		Hail, rain, lightning, and wind
	Hail, rain, lightning, and wind raked the Mercersburg, Fort Loudon and Little Cove areas, uprooting trees, knocking out power lines and shredding leaves of trees with cherry-sized hail. Two dairy cows were killed by a bolt of lightning in Fort Loudon. In Chambersburg a bolt of lightning struck a home and blew a hole in the side of the house near the roof, as well as blowing out a fuse box and breaking a water pipe in the basement.								
Crawford County	25	Afternoon				4	3		Wind, lightning, and hail
	In Meadville high wind blew a large limb off tree, damaging a parked station wagon, and there were reports of hailstones the size of golfballs. In Cambridge Springs lightning caused moderate damage when it struck a television antenna, starting a minor blaze on the roof, and then followed the antenna lead down the side of the house to the basement, knocking out several cinder blocks from the foundation. Lightning struck a high voltage line in Meadville and hit a transformer causing an outage in parts of the city.								
Allegheny County	25	Afternoon				4	3		Winds, hail, and lightning
	In Tarentum swirling winds uprooted small trees, picked up a sand-box and deposited it in a neighboring yard and overturned play gyms. The storm was accompanied by some hailstones the size of golf balls. The roof was torn off a home under construction and a 500-pound metal tool shed was rolled approximately 150 feet. Lightning and fallen tree limbs caused minor power failures in several areas.								
Montgomery and Bucks counties	26	Afternoon				3			Lightning
	In Lansdale lightning struck a chimney on a home resulting in light damage. Lightning struck a barn with damage estimated at \$500 in the Chalfont area.								
<b>Puerto Rico</b>									
	2-3				0	0	05	0	Heavy Rains
	Heavy rains mostly during the daylight hours produced flooding over the eastern end of the island from Ceiba to Pajardo. Santa Maria Creek washed one home away in Barrio Polo Norte and 125 families suffered damaged homes in Pajardo. There was significant damage to streets, bridges and other public property in Pajardo.								
	8-10				0	0	04	0	Heavy Rains
	Heavy rain showers in the north and central parts of the island during the three day period 8 thru 10 caused flooding of roads, landslides and some crop damage. Highway 10 from Ponce to Adjuntas was impassible due to flooding and landslides. Rainfall totaled nearly 10 inches for the three day period in Cerro Maravilla, north of Ponce.								
Rhode Island									None reported
South Carolina	15	7:30 to 8:15 p.			0	0	0	4	Thunderstorm, hail and rain.
Barnwell and Orangeburg	Heavy rain and hail did extensive damage to crops at the South Carolina Edisto Agricultural Experiment Station at Blackville. Cotton and vegetable crops were completely wiped out and the corn crop damaged. Two large farms in Barnwell suffered damage to cotton and watermelons and a corn crop was destroyed on a farm near the city of Orangeburg.								
Laurens County	23	afternoon			0	0	4	0	Thunderstorm, lightning.
	Two homes were a total loss as a result of fire set by lightning discharges. A third building, a Methodist parsonage, was damaged extensively, also by fire set by lightning. All were located in or near the small town of Gray Court about 23 miles south of Greenville.								
Kershaw County	23	4:20 p.			0	0	0	2	Thunderstorm, hail wind and lightning
	Hail fell for about 15 minutes in the city of Kershaw. Hailstone size ranged up to 3/4 inches in diameter. All small plants were flattened over a large area and trees were defoliated by wind and hail to the point that the streets were carpeted with green leaves. Lightning struck in several places during the storm but caused no fires or injuries. Wind blown hail accumulated to several inches in depth in some places.								
Charleston County	25	12:15 p.	1/2	5	0	0	3	0	Small tornado.
	A small tornado hit the city of Charleston but did little damage. Several persons saw the funnel which damaged the corner of one house; knocked limbs off of some trees and did other minor damage. Thunderstorms and heavy rain covered a rather large area due to the presence of tropical depression "Alma". The tornado occurred about 130 miles east of "Alma's" center.								
South Dakota	7-8	Night of 7-8			0	0	5	?	Heavy rainfall
Glad Valley 10NE	Local flooding was caused by unofficial rainfall amounts of 5 to 6 inches. Two bridges were destroyed and many places on county roads were washed out.								
Milesville 4N	12	5:15 p			0	0	?	?	Hail
	Golf ball size hail was reported.								
Houghton 52NE	24	5:50 p			0	0	0	0	Funnel cloud aloft
	Public reported funnel cloud not touching ground. Moved east.								
Mt. Rushmore Nat'l Memorial	27	afternoon			0	0	?	?	Hail
	Hail up to 2 inch diameter was reported.								
Southeast	27-28	Night of 27-28			0	0	?	?	Heavy rain and local flooding
	Local flooding was caused by official rainfall amounts of over 4 inches and unofficial amounts of 6 inches in the southeast near the border of Minnesota and Iowa.								
Viborg 10-15E	28	12:57 a			0	0	0	0	Funnel cloud aloft
	Reported by city police. Moving east.								
Milesville 5NE	29	7:45			0	0	?	?	Hail and high wind
	Hail and strong wind caused crop damage.								
Parkeston	30	3:00 p			0	0	0	0	Tornado
	Reported by public as tornado or funnel cloud. Movement unknown.								

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

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 Dakota (continued)									
Jones and Lyman Counties	30	6:00 - 7:30 p			0	0	5	5	Wind and hail
									caused extensive damage to buildings, livestock and crops mostly in a line from Draper to Vivian, Fresho and Kennebec.
Arlington 10W	30	9:00 p			0	0	0	0	Funnel cloud aloft
									Reported as funnel cloud not touching ground.
Between DeSmet and Lake Preston	30	10:15 p			0	0	0	0	Tornado
									Tornado touched down in open country moving northeast with no damage reported. Highway patrol reported the tornado.
Tennessee Unicoi County	5	7 p.m.			0	0	4	0	Flooding
									Locally heavy rains brought South Indian Creek out of banks. Sections of Temple Hill community inundated by high water. Many secondary and gravel roads washed out and a few mudslides closed state highways.
West and Central Tennessee	10				0	0	5	0	Rain, lightning, wind.
									Scattered heavy rain reached "cloudburst" proportions in some areas where totals were frequently 1 to 3 inches, mostly in a short time. Considerable damage from lightning to homes, knocking out air-conditioning units, television antennas and electrical appliances. Some damage from wind and flooding in the localized areas. Small hail of indeterminate size accompanied the storms.
East	16	Early afternoon			0	0	4	0	Wind, electrical
									Wind and lightning associated with scattered thunderstorms were responsible for damage of various types. Wind damage to houses and farm buildings, utility lines, signs, etc. A mobile home located near Lenoir City was demolished completely. Lightning responsible for scattered power failures and tree damage.
Clarksville (near) Montgomery County	25	8:30 p.m.			0	0	3	0	Wind, lightning
									A thunderstorm with strong wind caused minor damage to a small area on State Highway 49 to trees and power lines. Fire set by lightning burned a transformer and utility pole.
Memphis Shelby County	25	Early a.m.			0	0	4	0	Wind
									Shortly after midnight a thunderstorm moved in the Whitehaven area of South Memphis and continued northward through the downtown area of the City for about 30 to 45 minutes. There was considerable minor damage in the downtown area, including broken windows, uprooted trees, and damaged awnings, and power lines.
Memphis, Shelby County	25	Mid-afternoon			0	0	4	0	Wind, rain, lightning
									A line of thunderstorms developed well ahead of a cold front and moved through the City about mid-afternoon. A severe thunderstorm struck the Robco Lake section of South Memphis and completely destroyed the living area of a house which was constructed on metal posts eight feet above ground level. A concrete block storage room underneath the main floor of the house was undamaged. The owner of the house, who watched the storm approach, stated that he did not see a funnel cloud as such, but that he observed a continuous wall of cloud or heavy rain about 200' wide extending to the water. He also stated that the water was churning up and down quite differently from waves which ordinarily result from high winds. Located on the edge of Lake Robco, the house was severely damaged by the tornado on April 24, 1970, and was being rebuilt. Damage to the house in this storm was estimated at \$10,000. Witness reported no other damage in the immediate area of the house. Lightning strikes in Memphis area caused extensive damage to trees, antennas and power transformers.
Carthage, Smith County	25	p.m.			0	2	0	0	Lightning
									Two persons injured by lightning while reportedly walking along sidewalk. They were treated and released at Carthage General Hospital.
Humboldt, Gibson County	25	p.m.			0	0	3	0	Lightning
									Four dairy cows valued at \$2,400 were killed by lightning in an open field.
Falsaski, Giles County	25	p.m.			0	0	3	0	Lightning
									House of R. Hargrove on Richland Circle reported damaged by lightning.
Ethridge, Lawrence County	28	6:30 p.m.	?	?	0	1	4	0	Wind, Rain, Hail.
									A severe thunderstorm with strong wind and hail the size of golf balls severely damaged roof of Ethridge Ball Park. Storm lasted about twenty minutes. The storm hit while a Little League Baseball game was in progress, slightly injuring a spectator.
Texas									
Merkel, Taylor County	8	9:15 p - 9:30 p	?	?	0	0	?	?	Hailstorm
									Small local thunderstorms dumped some hail in Merkel at 9:15 p.m., and again at 9:30 p.m. The hail averaged one quarter inch in diameter, with a few hailstones 1 3/4 inches in diameter. The hailstorm caused only minor damage.
8 N Crosbyton, Crosby County	11	8:00 p	Short	Narrow	0	0	2	0	Tornado
									A small tornado took the roof off a barn on the Bud Anderson farm in Blanco Canyon just west of Highway 651, about eight miles north of Crosbyton. Mr. Anderson and two children were in a smaller barn north of the barn hit when the tornado ripped away the sheet metal roof, scattering it over the pasture in the Crawfish Draw area. Anderson had stepped into the saddle room of the smaller barn and then was unable to get the door open. The children headed for the nearest ditch and were unharmed. The house nearby was not damaged except for loss of a storm door.
Lubbock, Lubbock County	11	8:35 p	8	*1/2	26	500	8	0	Tornado, windstorm, hail, funnel aloft
									The costliest tornado in Texas history developed over the southwest section of Lubbock, dipped to earth just south of the downtown section, skirted just east of the Texas Tech campus, then plowed through the downtown area, crumpling apartment houses and other buildings en route. The tornado moved northeastward generally along U. S. Highway 87 and stayed on the ground for eight miles before lifting. It disappeared after wrecking airplanes, hangers and other buildings at Lubbock Municipal Airport. Twenty-six persons died as a result of the tornado. At least 500 persons were injured, although the exact number of injuries is not known as it became necessary for hospitals to turn away many of those with minor cuts and bruises. Total property damage was estimated at \$135 million.
									Where the tornado first touched ground and moved through the downtown area, the path was one and one-half miles wide, equalling that of the Glazier-Higgins-tornado of April 9, 1947, which was also one and one-half miles wide - the record for a Texas Tornado. As the vortex travelled northward, it narrowed, and was about one-quarter mile wide at the airport. This was the second tornado to strike the downtown area of a Texas city of considerable size, and occurred on the anniversary date of the Waco tornado, which devastated the heart of that city on May 11, 1953.
									At 7:57 p.m. CST a funnel cloud was observed aloft three miles east of the Lubbock city limits on the Buffalo Springs Lake Road. At 8:14 p.m. CST the Weather Bureau radar indicated a large severe thunderstorm 10 to 15 miles in diameter over the city of Lubbock, and extending about eight miles west of the airport and seven miles east and southeast. At 8:35 p.m., CST, the huge tornado swooped down at near rooftop level from about 26th Street and the vicinity of 19th and University Avenue and was firmly soaked on the ground as it passed into the downtown section and snaked through the Guadalupe area on its way to the airport. It was on and around Fourth Street that the tornado turned into a killer. It made shambles of expensive homes near the Country Club, uprooted large trees, folded entire buildings in on their contents, destroyed or damaged about 10,000 automobiles and demolished some 119 aircraft at the airport.
									The area of tornado damage covered 15 square miles, almost one quarter of the city. Within this area, 600 apartment units were demolished and 250 businesses were damaged or destroyed. A total of 8,800 family units were damaged; of these, the American Red Cross listed 130 homes destroyed. Within the 15-square mile area, 6,000 family units were not damaged.
									Major building damage included:
									The twenty-story Great Plains Life Building, which lost a huge section of brick in addition to extensive window damage; First National Bank-Pioneer Natural Gas Building had both the north and south sides, mostly glass, virtually destroyed, and marble veneer was ripped from the east and west ends; Lubbock National Bank Building had signs ripped from roof and suffered some hail damage; the Citizens National Bank Building and Lubbock County Courthouse suffered mostly window damage; and the Lubbock City Hall suffered breakage of large two-story plate glass windows on the east side that resulted in the collapse of some interior walls.
									Major businesses badly damaged or destroyed included:
									Fields and Company Living Center, Standard Milling Co., Robertson Steel Co., Bowman Lumber Co., Forrest Lumber Co., Heath Furniture Co., Cecil White Electric Co., Lubbock Cement and Supply, Dr. Pepper Bottling Co., Jerry's Thriftway Supermarket, Hancock Division of Clark Equipment Co., Brooks Supermarket, and Grinnell, Inc.
									In the downtown area, an estimated 80 percent of all plate glass windows were smashed. The Lubbock Plainline-Journal was hit hard by the tornado and its publishing facilities were knocked out. The Amarillo Globe-News printed both May 12th editions of the Lubbock Paper. Power plant No. 1 near downtown Lubbock was knocked out for an indefinite period; power plant No. 2 on Municipal Hill was knocked out temporarily. Total damage to public facilities was estimated at \$10 million. Damage to private automobiles was estimated at \$3 million. Some cars were flattened to within two to three feet of the ground. A Greyhound Bus was slammed broadside into a building.

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

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)										
										Warehouses and other buildings with broad expanses of unsupported roof were demolished or heavily damaged. The entire north wall of the Kimbell Frds Co. on North Avenue H fell into Yellowhouse Canyon when the roof caved in.
										Every motel along 4th Street and Avenue Q north of 10th Street sustained heavy damage. Those located on Avenue Q North Drive (the Amarillo Highway) were destroyed, as was the Lubbock City-County Health Department.
										Schools damaged included Estacado High School, Parkway, Hunt, Arnett, Kay Carter, Jackson, McWhorter, North Avenue U and Sanders Elementary Schools, and Thompson Junior High School.
										The major residential damage began with apartment complexes along the northside of 4th Street near Indiana Avenue which lost roofs. This spread throughout the Arnett-Benson area, tapering northward to tree limb breakage and roof damage nearer the Clovis Highway. The worst residential damage occurred in the Guadalupe area, north of 4th Street between Avenues Q and A, and in the Country Club addition west of the Amarillo Highway. The Mesa Drive area near the Lubbock Country Club was reduced to piles of rubble. House trailers throughout the northern portion of the city were easy victims of the tornado.
										Except for some Jones Stadium light towers, the Texas Tech campus escaped significant wind damage. Three light standards were bent and another was destroyed.
										At the Lubbock Municipal Airport, the edge of the tornado funnel was believed to have passed approximately three quarters of a mile south of the Weather Bureau Office. A peak gust of 77 knots (89 miles per hour) was observed on the Weather Bureau Anemometer. About 100 private airplanes were piled like wastepaper inside and outside sheet metal hangers. In addition, 19 of 23 small military aircraft were damaged beyond repair.
Near Ashtola, Donley County	11	9:00 p	?	?	0	0	?	?	Hailstorm	
										Hail up to 1 3/4 inches in diameter fell near Ashtola in Donley County. No damage was reported.
Garza County	12	6:30 p-11:00 p	?	?	0	0	4	?	Hailstorm, 4 funnels aloft	
										Hail fell in the northern half and in the southwest portion of Garza County causing an estimated \$3,000 damage to property. Grassland, a small community 16 miles southwest of Post was hardest hit. Hailstones up to 2 3/4 inches in diameter were reported there. Hail one inch in diameter fell within the city of Post; however, hailstones averaged only one quarter inch in diameter. Wind gusts up to 60 miles per hour, and four funnels aloft were reported in the area.
8 NE Tahoka, Lynn County	12	7:00 p	7	Narrow	0	0	3	?	Tornado	
										A tornado touched ground several times along a seven-mile path beginning about eight miles northeast of Tahoka. A barn was almost destroyed on the Walden Tilley farm, then a barn and garage were wrecked, and a cotton trailer and truck were damaged on the Carl Stone place, two miles west of the Gordon community. The tornado path was very narrow. The tornado caused minor damage at the Joe Benavidez place, one mile west and one mile north of the Gordon community. Property damage was estimated at \$5,000. The tornado moved from southwest to northeast.
8 NW Gail, Borden County	12	10:40 p							Funnel aloft	
Midland, Midland County	13	5:00 p-5:15 p	?	?	0	0	0	0	Hailstorm	
										Hail up to three quarters inch in diameter fell in the northeast portion of Midland but did not cause any known damage. The hailstones averaged one quarter inch in diameter.
Fluvanna and vicinity, Scurry County	13	6:45 p-8:00 p	?	?	0	0	?	?	Hailstorm	
										Hail fell at Fluvanna, and in the area south and east of this community. Heaviest damage was in the area three to six miles south of Fluvanna. Hailstones averaged one inch in diameter, with largest stones two inches in diameter. There was some window damage in the rural area south and east of Fluvanna with only minor damage within the community itself.
Near Follett, Lipscomb County	13	8:00 p-10:00 p	7	*3	0	0	0	?	Hailstorm	
										Hail damaged pasture and farm land southwest of Follett. Wheat fields in the hail area suffered losses varying from 10 to 70 percent of the crop. Hailstones averaged one inch in diameter with largest stones two inches in diameter.
Hemphill County	13	Night	?	?	0	0	?	?	Hailstorm	
										Large hail was reported in the vicinity of Canadian in Hemphill County. No estimate of property or crop damage, if any, was available.
Texas (continued)										
										10 E Littlefield, Lamb County
										14 3:30 p-4:30 p
										2 Funnels aloft
										5 W Reese AFB, Lubbock County
										14 3:40 p Short Narrow 0 0 0 0 Tornado
										Tornado touched down briefly but did no damage.
										San Antonio, Bexar County
										14-15 3:41 p-12:44 a 7 ? 0 1 4 0 Tornado, 6 funnels aloft, wind and hailstorm
										High thunderstorm winds and one tornado caused an estimated \$20,000 damage to property in the northwest, west, and southwest portions of San Antonio. One person suffered minor injuries when he was blown off a ladder outside his home. Six funnels aloft were reported over the San Antonio area during the afternoon and evening, in addition to the tornado. Hailstones averaging one inch in diameter caused \$500 damage. The largest stones were 1 1/2 inches in diameter. Most of the damage was in an area about seven miles long and three miles wide. The tornado first touched earth near Interstate Highway 35 about 2 1/2 miles south of Loop 410 on the southwest side of San Antonio about 5:40 p.m. where it knocked John Richards' house trailer off its foundation.
										Richards said his lights went out, and "then it grew awfully quiet."
										"Then I heard something real, real loud and we hit the floor," Richards said.
										The trailer dropped about four feet when it moved from its foundation.
										Then the tornado funnel was reported moving "up and down" as it moved northward. Rounda B. McMillen, 6215 Warhawk Street, reported the roof of his home destroyed; the R. B. Sanders residence, 6210 Warhawk was badly damaged also. An 18-foot truck trailer was overturned on Loop 410 near Ingram Road. High winds damaged the Wrenn Junior High School at 627 Alms Road.
										5 N Hale Center, Hale County
										14 3:50 p Funnel aloft
										E Cotton Center, Hale County
										14 4:13 p Funnel aloft
										S Edmonson, Hale County
										14 4:30 p 5 ? 0 0 ? ? 3 Tornadoes
										Three tornadoes were observed on the ground at the same time in the area between the Halfway community and Edmonson. Apparently two of these first touched ground about one and two miles west of the Halfway community and moved toward the northeast. One tornado damaged outbuildings on the A. D. Huddleston farm about one mile west of Halfway, while the other struck the M. C. Church farm about one mile west of the Huddleston farm. South of Edmonson, a tornado broke windows in the Ed Smith farm, and later struck a vacant house about three miles from the Smith farm. These tornadoes apparently lifted and were later seen as funnels aloft northeast of Edmonson.
										Near Estelline, Hall County
										14 4:50 p 2 funnels aloft
										12 SW Tarpley, Medina County
										14 7:30 p 1/2 *3/4 0 0 ? ? Tornado
										A tornado struck the ranch house on the G. M. Merritt Ranch southwest of Tarpley. The roof of the ranch house was blown off as was the roof on a nearby barn. A trailer was overturned and huge oak trees around the ranch house were uprooted and twisted together. At the George Wilson place, a tornado ripped off the roof of the Wilson house and uprooted a large oak. A plastic covering on a jeep parked near the tree was not disturbed. It is not known if this was the same tornado that struck the Merritt Ranch.
										Hondo and vicinity, Medina County
										14 Night 5 *4 0 0 5 C Flooding, tornado, wind and hailstorm
										Very heavy rains accompanied by hail and high winds fell in a small area of Medina County which included Hondo. Rainfall amounts varied from 7 to 14 inches and caused extensive street flooding in Hondo, and water entered numerous homes and businesses. Flood waters swirled down through the area adjacent to both Big and Little Live Oak slough south of Hondo damaging property and crops all the way to Hondo Creek. The flooding in Hondo, said by some long time Hondo residents to be the worst in 15 to 20 years, caused the evacuation of some 75 persons in east Hondo. Approximately 3,000 acres of crops were almost devastated by the heavy rains, wind and hail. Hailstones averaged one inch in diameter with largest hailstones two inches in diameter.
										A small tornado dipped to earth on the Ralph Stiegler farm about four miles south of Hondo, tearing off a portion of the roof of a sheet metal equipment shed, setting fire to the roof, and setting fire feet in the ground was uprooted. An old shed constructed of wood, located immediately behind the equipment shed did not have a shingle missing.
										Total storm damage to property and crops, mostly due to flooding, was estimated at \$250,000.

See reference notes at end of table.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Texas (continued)									
San Marcos, Hays County	15		3	*1	2	?	6	?	Flooding
<p>The worst flood in San Marcos' history inundated one-third to one-half of the city, drowned two small children, and caused property damage in excess of \$2 million. Rains of 6 to 15 inches fell on the San Marcos River watershed beginning about 5 p.m. on the 14th and ending about 2 p.m. on the 15th. Storm totals of 1 1/2 to 1 5/8 inches fell about two miles east-northeast of the city. The heaviest rains fell on the morning of the 15th, and the worst flooding occurred between 7 and 9 a.m., CDT. Only the central business district, the campus of Southwest Texas State University and small hills beyond the school were high enough to be spared inundation. Two children drowned when a boat in which they were riding to safety overturned in the swirling waters of Purgatory Creek.</p> <p>The major source of the flooding was Sink Spring Creek north of San Marcos whose flood waters inundated Travis Elementary School, Aquarena, Clear Springs Apartments, and many other buildings and facilities along the upper San Marcos River.</p> <p>Debris was everywhere, caught in large piles where it had been washed. In one place eight to ten automobiles were rammed together, some stacked on top of others. Other automobiles were washed 300 yards from the roadway. Some houses were flooded to the rooftop, one high-rise apartment had water to the third floor. Trucks and boats were used to evacuate 300 children and about 30 teachers stranded for a time on the roof of the Travis Elementary School. A plush apartment complex along the San Marcos River was flooded and water reached the roof level of some houses along Purgatory and Sink Creeks. The Aquarena Springs resort and recreational area was heavily damaged when water rose six feet deep over parts of the area. The high downtown area, where water seldom ran more than curb high, was accessible only by boats and helicopters. Roads leading into San Marcos were flooded and impassable by mid-morning of the 15th. By mid-afternoon, after the rains had stopped the flood water began to recede rather rapidly.</p> <p>Destruction inside houses along the flood route was nearly complete - huge freezers were overturned and in the wrong rooms, silt and debris was over a foot deep, and water marks on the sides of houses reached six feet.</p>									
Harris, Brazoria, and Fort Bend Counties	15	7:35 a-1:00 p	Short	Narrow	0	0	?	0	Tornado, 7 funnels aloft
<p>A small tornado dipped to earth northeast of Houston and destroyed a metal workshop belonging to Arthur Wilson.</p> <p>Wilson was in the shed when the tornado hit. The door blew open and he turned to close it.</p> <p>"Before I could get to the door the whole building came up about four or five feet," Wilson said. "Then it just took off and went about 30 to 40 feet. I didn't have time to get nervous, it happened so quick."</p> <p>Seven other funnels were sighted in the Houston area but these did not touch ground. These were near the Astrodome, near the intersection of Shepherd Drive and Little York Road, over downtown Houston, northwest of Ellington AFB, and near Pearland, Baytown, and Simonton.</p>									
Near Pipe Creek, Bandera County	15	9:30 a							Funnel aloft
2 N Fayetteville, Fayette County	15	10:01 a-10:04 a	**500	50	0	0	0	0	Tornado
<p>A small tornado cut a path about 500 yards long and 50 yards wide across portions of the J. B. Crowley farm, the J. B. Kramer farm, and the Joe D. Patton farm. Except for a few trees uprooted, there was no damage.</p>									
2 NW Taft, San Patricio County	15	10:38 a							Funnel aloft
Port Isabel, Cameron County	15	2:00 p-4:00 p	1/2	Narrow	0	0	0	0	Tornado
<p>A small tornado dipped to earth briefly about 2:08 p.m. on an uninhabited portion of Long Island near the Intercoastal Canal just outside Port Isabel, and approximately one mile from the downtown area. Two other funnels were sighted but these did not touch ground.</p>									
5 NE Stonewall, Gillespie County	15	Night	?	?	0	0	3	0	Tornado
<p>A small tornado completely destroyed a 30 x 60-foot barn on the P. F. Reagan farm five miles northeast of Stonewall. The sheet metal barn was lifted up, off its mounting, dropped about 100 yards away and then scattered for almost a quarter of a mile. Supporting crosscut poles were pulled "clean", out of the ground. The fence around the barn was not disturbed; the little hay which was still in the barn, remained untouched. Not a tree, nearby in a thick brush and oak tree area, had a branch broken.</p>									
Near Anahuac, Chambers County	21	12:40 p							Funnel aloft
15 WSW Corpus Christi, Nueces County	22	8:23 a							Funnel aloft
See reference notes at end of table.									
Texas (continued)									
5 S Robstown, San Patricio County	22	9:19 a	Short	Narrow	0	0	0	0	Tornado
<p>Tornado touched earth in open country. No damage reported.</p>									
5 F Sinton, San Patricio County	22	11:15 a							Funnel aloft
5 S Tilden, McMullen County	22	11:50 a							Funnel aloft
Near Robstown, Nueces County	22	12:08 p							Funnel aloft
Near Ganado, Jackson County	22	1:15 p							Funnel aloft
5 N Bay City, Matagorda County	22	1:25 p							Funnel aloft
2 ENE Sinton, San Patricio County	22	1:32 p							Funnel aloft
Dallas, Dallas County	22	7:20 p-7:50 p							4 funnels aloft
<p>Four funnels aloft were sighted in the metropolitan area of Dallas; none was known to have touched ground. The funnels were sighted over the North Dallas Tollway, two miles south of DeSoto, near Balch Springs, and near Mesquite.</p>									
8 SW Corpus Christi, Nueces County	23	8:20 a							Funnel aloft
Zapata and vicinity, Zapata County	23	11:10 p-11:35 p	4	Narrow	0	40	6	?	2 Tornadoes, wind and hailstorm
<p>Twin tornadoes struck the Zapata area along parallel paths that injured 40 persons and resulted in property damage estimated at \$800,000. One tornado cut through the western edge of the town while the other plowed along the shore of Falcon Lake on the Texas side. Most damage was to house trailers along Falcon Lake. A total of 105 house trailers were damaged or destroyed. In Zapata, most of the damage was west of U. S. Highway 83, although this particular tornado cut into parts of two city blocks on the east side of the highway. One store was demolished, and the roofs of the Siesta Motel and Holiday Restaurant were damaged extensively, as was the roof of the Zapata County Courthouse. Twenty-five to thirty businesses, and about 60 residences suffered some damage. Most of the trailer houses damaged or destroyed were unoccupied at the time. Only about five or six families lost trailer homes they were living in. The tornado paths were approximately four miles long.</p> <p>"Our trailer blew over on its side, then it just exploded like a bomb," said Harry Layman who had moved his new trailer to Zapata two weeks before.</p> <p>"I don't think there is a piece left that is more than four feet across," Layman said.</p> <p>Wind and hail associated with the same storm system destroyed about 30 percent of the cotton and 40 percent of the cantaloupe crops in the San Ygnacio area. Winds caused some property damage at Lopana. The storms, including the tornadoes, moved from northwest to southeast.</p>									
Willacy and Cameron Counties	24	6:03 p	25	?	0	1	4	5	Tornado, wind and hailstorm, heavy rain
<p>A tornado dipped to earth just outside of Raymondville on the east and moved southward along a 25-mile path to the Arroyo Colorado southeast of La Feria in Cameron County. The intermittent path skirted Sebastian and Adams Gardens on the east. High winds and hail, up to two inches in diameter accompanied the tornado. The path of wind damage was about four miles wide in places. Only one person was injured. Many trailer homes were overturned and roof damage was wide spread. Wind, hail and rain damaged or destroyed about 7,000 acres of cotton and 17,000 acres of grain in Willacy County, and 4,000 acres of cotton and 7,000 acres of grain in Cameron County. The large hail was reported in Raymondville, Combes and J. Ford. The tornado caused an estimated \$50,000 damage to property, while damage to crops due to wind, hail and rain was estimated at \$150,000.</p>									
10 W Tulia, Swisher County	25	7:10 a							Funnel aloft
13 N Reese AFB, Lubbock County	25	5:05 p							Funnel aloft
SW Lubbock, Lubbock County	25	5:50 p-6:00 p	Short	Narrow	0	0	0	0	Tornado, funnel aloft
<p>A tornado and funnel cloud aloft were observed just southwest of the Lubbock city limits, near the town of Wolforth. The tornado dipped to earth in an open field and did not cause any damage. The tornado moved from northwest to southeast.</p>									
10 S Canyon, Randall County	25	7:15 p							Funnel aloft
Amarillo, Randall County	25	8:25 p							Funnel aloft



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

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																	
Texas (continued)										U. S. Virgin Islands																									
Near Conway, Carson County	31	Afternoon							Funnel aloft	St. Thomas	9					0	0	5	0	Heavy Rains															
SW Panhandle, Carson County	31	2:07 p- 4:30 p	5	Narrow	0	0	?	?	Tornado, hailstorm, 2 funnels aloft											Heavy rains during daylight hours of over 5 inches caused heavy runoff down the slopes north of the city of Charlotte Amalie resulting in heavy flooding in the down town section. Inadequate storm drainage resulted in damage to many businesses and road damage along the southern part of the island was extensive. Flood conditions caused infiltration, sand and debris to enter the sewer system through manholes resulting in burned out pumps and other damages.															
10 ESE Amarillo, Randall County	31	2:20 p	?	Narrow	0	0	2	?	Tornado, 4 funnels aloft	Virginia										Fredericksburg	11	Late Aftn					0	0	3	0	Lightning, Rain				
6 E Groom, Gray County	31	3:00 p- 6:00 p	?	?	0	0	3	4	Hailstorm	Patrick County	22					0	0	4	4	Hail, Lightning															
20 SE Amarillo, Armstrong County	31	3:25 p							Funnel aloft	Rockingham County	24	Aftn				0	0	0	C	Wind, rain, hail, Lightning															
1 N South Plains, Floyd County	31	5:57 p							Funnel aloft	Madison County	24	Aftn				0	0	4	0	Lightning															
E Crosby County	31	6:30 p- 8:00 p	20	*10	0	0	4	?	Windstorm, hail	Spotylvania County	24	Night				0	0	4	0	Lightning															
Southland and vicinity, Lynn County	31	6:50 p	?	?	0	0	?	?	Wind, hail and rainstorm	Radford in Montgomery County	27	1:15 p.m.				0	6	3	0	Whirlwind															
Big Spring, Howard County	31	Night	?	?	0	3	?	?	Windstorm	Washington										None reported															
Amarillo, Randall County	31	9:15 p							Funnel aloft	West Virginia										Morgantown	13	6 a.m.					1	0	0	0	Lightning				
S Roscoe, Nolan County	31	10:00 p- 11:59 p	4	*1	0	0	?	?	Heavy rain, hail, wind	Charles Town, Jefferson County	24	8 p.m.				0	0	3	0	Windstorm															
Near Patricia, Dawson and Martin Counties	31	9:20 p	17	?	0	0	?	?	Tornado	Lost River State Park, Hardy County	25	Afternoon				0	0	4	3	Thunderstorm															
Utah										Middlebourne, Tyler County	26	12:30 a.m.				0	0	4	0	Lightning															
Salt Lake, Davis, and Weber Counties	23	4:00- 4:15 MST			0	35	6	3	Wind and Hail	Wisconsin										Sawyer County	7	10:15 p					0	0	5	0	Lightning				
									A severe wind storm followed by 3/4 inch hail stones swept across Northern Salt Lake County, Davis County and extreme southern Weber County leaving havoc over the entire area. Severe damage was concentrated in the vicinity of Woods Cross and Southern Bountiful. In all 35 people were treated at local hospitals but no fatalities were reported. One hundred twenty homes in the area suffered extreme damage, 3 single engine airplanes were flipped upside down and others damaged by the estimated 100 mph winds with damage estimates in excess of 90,000 dollars. Among the major building damage estimates were Bountiful Post Office \$15,000 dollars, Bountiful City Hall \$10,000, Woods Cross City Hall \$15,000, Centerville Ward Chapel \$15,000. Three 44,000 volt power lines were downed with six large towers needing replacement. Twenty telephone poles and over a 1,000 feet of cable were downed. Damage estimates ranged from 500,000 to nearly 1,500,000 dollars.															Taylor County	8	am					0	0	4	0	Lightning
Vermont									None reported	Dane, Columbia Counties	9	pm	1	100	0	1	4	0	0	Tornado															

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1970

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	
Wisconsin (continued)									
Rock County	9	6:05 p							Funnel aloft reported by public 3 NE Evansville.
Rock, Walworth Counties	9	7:00 p			0	0	4	0	Funnel aloft reported near Clinton.
Walworth County	9	7:10 p	5	100	0	0	4	0	Tornado. Several reports of tornadoes touching down in Lake Geneva area causing light damage. Two planes and tennis court damaged at Playtoy Club. Funnels aloft sighted between Geneva City and Peil Lake.
Waukesha County	9	7:45 p			0	0	3	0	Lightning. Fire caused by lightning damaged home in Brookfield.
Dodge County	10	9:15 p			0	0	3	0	Lightning. Fire caused by lightning damaged barn on Veschaper Farm east-of Lomira.
Dane County	11	20:18 p			0	0	0	0	Funnel aloft reported NW Ziegler moving eastward. Funnel also sighted near Stouten.
Rock County	12	1 am			0	0	6	4	Hail. Large hail caused estimated \$1 million damage in Beloit area. Damage mainly to cars and roofs.
Lafayette County	13	4 am			0	0	4	0	Lightning. Lightning fire destroyed Hicks dwelling at Lamont.
Clark County	19	5:45 a			0	0	3	0	Lightning. Lightning damaged wiring and appliances at Burnett home 4 NW Spencer.
Clark County	19	6:00 a			0	0	4	0	Lightning. Lightning fire burned interior of Reid Johnson home 6 NW Spencer.
Douglas County	20	9:30 p			0	0	5	0	Hail. Golf ball site hail did extensive damage in the Superior area. 15 planes at Bong Airport sustained average \$1000 damage each. Greenhouse lost \$5000 worth of glass. Also widespread damage to autos and roofs. More reports of hail in area after midnight.
Vilas County	21	2:30 a			0	0	4	0	Lightning. Insurance agency and attorney offices in Land O' Lakes gutted by fire set by lightning.
Vilas County	21	2:30 a			0	0	4	0	Lightning. Fire believed caused by lightning at Nagel Lumber Co. on County Trunk B west of Land O' Lakes.
Trempealeau County	21	17:35 p			0	0	3	0	Funnel aloft reported near Eleva 188 Eau Claire. Some wind damage to trees and wires farther east along Highway 53.
Clark County	21	pm			0	0	3	0	Lightning. Severe electrical storm caused extensive damage to telephone service near Neillsville and Loyal. Service interrupted several days. 2 cows killed by lightning near Loyal.
Brown County	21	8:10 p			0	0	0	0	Tornado. Airline pilot report tornado on shores of Green Bay 18E Green Bay moving eastward out over open water.
Winnebago County	21	8:15 p			0	0	0	0	Funnel aloft. Onno police reported sighting of funnel aloft.
East Central Counties	21	Evening			0	5	6	0	Wind, lightning, rain, hail. Extensive wind damage occurred during passage of severe thunderstorms in and near Green Bay, Shawano Lake, Pulaski, Luxemburg, Denmark, Kewaunee, Algona and Manitowoc. Five persons injured and damage estimated in excess of \$1 million. Heavy rain and hail caused localized flash flooding. Two lightning fires of unoccupied resort homes at Robtalm in Door Peninsula after midnight resulted in losses above \$70,000.
Grant County	22	Evening			0	0	4	0	Lightning. Fire apparently set by lightning burned barn filled with hay on the Cottingham homestead west of Fenimore.
Green County	24	8:00 p							Funnel aloft. Funnel aloft moving ESE sighted by public 5S Monroe.
Rusk and Barron Counties	31	2:00 a			0	0	5	0	Flooding. Heavy rains locally in the 5 to 10 inch range over Memorial Day weekend caused Buck Dam to fall which in turn caused breakage of Murphy Dam on Hamlock Creek at 5:40 am and failure of earth dikes on Bolger Dam still farther downstream at 9:30 am.
Waupaca and Outagamie Counties	31	pm			0	0	4	0	Flooding. Rivers in northern Waupaca and Outagamie Counties overflowed their banks from heavy weekend rains. Some damage to roads, bridges and basements in area.
Waupaca County	31	8:50 p			0	0	4	0	Wind. Outdoor movie screen blown down by strong winds in thunderstorms at outdoor theatre on Hwy. 45 north of New London.

See reference notes at end of table.

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	
Wisconsin (continued)									
Iowa County	31	7:00 p			0	0	4	0	Lightning. Lightning destroyed mobile home on Norton farm southwest of Hollandale.
Vilas County	31	pm			0	1	0	0	Lightning. Holbert, 21, manager of outdoor theatre at Eagle River struck by lightning while working in concession stand. Holbert taken to hospital in shock and released next day.
Wyoming									
Glenrock 10 E	21	2:00 p.			0	0	0	2	Hail. Public reported 1 3/4 inches hail over open range.
Glenrock 5 W	21	7:00 p.			0	0	0	2	Hail. Public reported 2 3/4 inches hail over open range.
Gillette 8 W	22	7:12 p.							Funnel aloft. Public reported funnel aloft, did not touch ground.
Cheyenne	24	12:39 p.			0	0	4	C	Hail. One-inch hail caused damage to buildings, cars, shrubs, trees, and gardens.
Casper	27	1:01 p.			0	0	2	C	Hail. 3/4 inch hail at Casper Airport caused some damage to cars, trees, shrubs and hay.

<sup>0</sup> Includes crop damage.

C Crop damage.

\* Miles instead of yards.

\*\* Yards instead of miles.

† Storm damages are placed in categories varying from 1 to 9 as follows:

- 1 Less than \$50
- 2 \$50 to \$500
- 3 \$500 to \$5,000
- 4 \$5,000 to \$50,000
- 5 \$50,000 to \$500,000
- 6 \$500,000 to \$5,000,000
- 7 \$5,000,000 to \$50,000,000
- 8 \$50,000,000 to \$500,000,000
- 9 \$500,000,000 to \$5,000,000,000.

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

SUBSCRIPTION PRICE: 15 cents per copy; yearly subscriptions \$1.50 domestic, \$2.00 foreign. Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to "Superintendent of Documents, Government Printing Office, Washington, D. C. 20402."

USCOMM-ESSA-Asheville, N.C. - 7/6/70-1200