

JUNE 1977

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# STORM DATA



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NATIONAL OCEANIC AND  
ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL / NATIONAL CLIMATIC CENTER  
DATA SERVICE / ASHEVILLE, N.C.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA									
Mobile County	2	8:00p			1	0			Lightning
									A man was killed by lightning while working on a bank of the Mobile River. The incident occurred at Bucks, Alabama or about 20 miles north of Mobile.
Jackson County	6	4:30p			0	0	4	0	Windstorm
									The southern part of Jackson county experienced a strong thunderstorm that felled trees and produced damage to mobile homes. Most of the damage occurred in the communities of Scottsboro, Hollywood, and Section.
Talladega County	12	6:45a			0	0	4	0	Lightning
									Lightning struck a home in the city of Sylacauga and although the home was completely destroyed by the explosion it did not burn. Five persons in the home escaped without injury.
Morgan County	13	5:30p			0	0	4	0	Windstorm
									A severe thunderstorm severely damaged a barn and outbuilding 2 miles west of Falkville or 25 miles southwest of Huntsville.
Walker County	13	6:25p			0	0	4	0	Windstorm
									A severe thunderstorm blew the roof off a grocery store and brought down several power lines in the Saragossa community. Saragossa is located 10 miles northwest of Jasper.
Baldwin County	16	12:45p			0	0	4	0	Windstorm
									A severe thunderstorm removed a large roof from a grain supply business and damaged an elevator in another building nearby in the community of Summerdale. Summerdale is located 25 miles southwest of Mobile.
Mobile County	16	3:45p	1/4	75	0	0	3	0	Tornado
									A small tornado briefly touched down at Saraland, which is just north of Mobile. A barn was damaged and numerous trees were uprooted. Movement of the twister was to the north.
Walker County	17	2:00p			0	1	0	0	Lightning
									A man was briefly paralyzed on his right side when lightning struck nearby. The incident occurred in the city of Jasper.
Madison County	18	5:20p			0	0	0	0	Wind Gust
									A wind gust of 63 MPH was reported at the Huntsville-Decatur airport during a thunderstorm.
Butler County	19	1:30p			0	0	3	0	Lightning
									Lightning struck a tree in the city of Greenville; traveled underground several feet and then ruptured a water main some 5 feet below the surface. Greenville is 4 1/2 miles southwest of Montgomery.
Shelby County	19	4:15p			0	1	4	0	Windstorm
									A mobile home was destroyed and numerous trees blown down in Wilsonville during a severe thunderstorm. Wilsonville is 25 miles southeast of Birmingham.
Jefferson County	19	5:30p			0	0	0	0	Windstorm
									Gusty winds blew down tree limbs in the eastern area of Birmingham.
Jefferson County	19	6:02p			0	0	4	0	Lightning
									Two houses in the Gardendale community were struck by lightning. One home was extensively damaged because of fire. Gardendale is located 10 miles north of Birmingham.
Madison County	20	3:10p			0	0	4	0	Windstorm
									Trees and power lines were down in the Huntsville area due to a severe thunderstorm. Some local flooding was noted from the heavy rains associated with the storm.
Lawrence County	20	3:40p			0	0	3	0	Windstorm
									Two highways were closed because of downed trees from heavy thunderstorms. The high winds occurred near the communities of Courtland and Moulton. Moulton is 45 miles southwest of Huntsville and Courtland 40 miles west of Huntsville.
Lauderdale County	20	3:50p			0	0	4	0	Windstorm
									A severe thunderstorm at Eglin uprooted trees, unroofed two business buildings, and toppled a two-way radio tower. Eglin is located 45 miles west northwest of Huntsville.
Madison County	20	4:30p			0	0	0	0	Wind gust
									A wind gust of 59 MPH was recorded at the Huntsville-Decatur airport during a thunderstorm.

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ALABAMA (continued)									
Etowah County	22	7:45p	1 1/4	75	0	0	5	0	Tornado
									A small tornado struck 6 miles northeast of Gadsden destroying two butbuildings and damaging three others. Numerous trees were uprooted along the path of the storm as it moved east. Golf ball to tennis ball size hail was reported in the vicinity of the twister.
Walker County	23	7:50p			0	0	0	0	Windstorm
									Several trees were blown down in a thunderstorm just east of Jasper.
Blount County	23	10:05p			0	0	4	0	Windstorm
									One house trailer was demolished by strong winds in a thunderstorm near Cleveland. Cleveland is located 35 miles northeast of Birmingham.
Jefferson County	24	7:00p			0	0	0	0	Windstorm
									Strong winds from a thunderstorm brought down powerlines in the community of Leeds. Leeds is located 12 miles east of Birmingham.
Calhoun County	24	8:10p			0	0	0	0	Windstorm
									Several trees blown down in a thunderstorm near Jacksonville. Jacksonville is located 13 miles north of Anniston.
DeKalb County	25	7:15p			0	0	4	0	Windstorm
									A severe thunderstorm at Hammonds Crossroads damaged a two story business establishment and unroofed a garage nearby. Some trees and powerlines were also downed. Hammonds Crossroads is located 45 miles east of Huntsville.
Madison County	26	4:00p			0	0	5	0	Windstorm
									A new block building was blown over by strong thunderstorm winds five miles south of Huntsville. There was no roof on the building. Steel overhead girders were holding up the walls.
St. Clair County	26	7:20p			0	0	0	0	Funnel Cloud
									A funnel cloud was reported near Odeenville. Odeenville is located 25 miles east northeast of Birmingham.
Etowah County	26	8:37p			0	0	4	0	Lightning
									A home in Gadsden was heavily damaged by fire following a lightning strike.
Clay County	26	9:00p			0	0	4	0	Lightning
									26 cattle were killed by lightning near Delta. Delta is 20 miles southeast of Anniston.
Tuscaloosa County	29	2:35p			0	0	0	0	Hail
									Golf ball size hail was reported in a severe thunderstorm seven miles south of Tuscaloosa.
Central and south Alabama	1-30				0	0	0	7	Drought
									Central and southern Alabama continue to experience dry weather. Some 50 to 75 percent of the corn crop has been destroyed with the hardest hit areas in the southeast and southwest corners of the state. Hay has been greatly reduced in acreage and this in turn has caused farmers to start using baled hay that is normally used in the winter months. Many farmers are saying that this has been the driest since the drought of 1954 and 1955. 42 Alabama counties have been declared a disaster area by the Federal Government.
ALASKA									
Chandalar River - Upper Yukon Drainage	1-2				0	0	5	?	Flooding
									Major flooding on the Chandalar River due to ice jams and heavy rainfall in thunderstorms occurred during the first days of the month. The village of Venetie sustained major flood damage.
Lower Rabbit Creek-Anchorage area	23				0	0	5	?	Flooding
									Under a load of a record winter snowpack, river ice on the upper reaches of Rabbit Creek collapsed and dammed up the upper portion of the valley. A considerable volume of water backed up into an already existing alpine lake at the headwaters of Rabbit Creek; the elevation of the lake is over 3,100 feet MSL. The outburst flood that followed caused considerable damage to structures along lower Rabbit Creek, including several bridges washed out.

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<b>ARIZONA</b>									
Phoenix Maricopa County	8				5	3			Wind, Lightning
									Winds gusting to 64 m.p.h., and visibility near zero in dust during a thunderstorm, caused considerable property damage, traffic accidents, lightning fires and extensive power outages. At Sky Harbor International Airport, a cargo plane was swept into another cargo plane. Total damage from storm estimated at \$100,000.
<b>ARKANSAS</b>									
Macon Lake - Chicot County	5	2:30 p.			0	0	5	0	Wind
									Heavy thunderstorms moving through the county produced strong winds that caused major damage at one farm. A mobile home was destroyed along with several outbuildings. Damage was estimated to be 150 thousand dollars.
2 Miles South of Marvell - Phillips County	6	4:15 p.	1	100	0	2	4	0	Tornado
									A tornado moving southeastward touched down destroying a mobile home and damaging several houses. Two persons in the mobile home were injured.
Near Little Flock Community - Benton County	6	6:00 p.	100 **	15	0	0	0	0	Tornado
									A tornado moving toward the northeast touched down briefly in an open area. No damage was reported.
3-1/2 Miles West- Southwest of Fayetteville - Washington County	12	7:05 p.							Funnel Cloud
									A funnel cloud moving toward the northeast was observed by a storm spotter.
Just Southwest of Leachville - Mississippi County	22	7:20 p.			0	0	0	5	Hail
									Intense thunderstorms moving southeastward through the area produced hail which destroyed 450 acres of soybeans and cotton. Damage was estimated at 75 thousand dollars.
Oak Grove Community just North of Paragould - Greene County	24	4:00 p.			1	0	0	0	Lightning
									A man riding on the back of a hay wagon was struck by lightning and killed instantly.
Arkadelphia - Clark County	26	6:45 p.			0	0	4	0	Wind
									Heavy thunderstorms moving through the city produced winds of up to 60 mph. One airplane was overturned along with numerous reports of damage to cars, store windows, and other property.
4 Miles Southwest of Malvern - Hot Springs County	26	7:27 p.			0	1	4	0	Lightning
									Lightning set fire to a home as thunderstorms moved through the county. The house and an automobile were totally destroyed and one person in the house suffered minor injuries. Damage was estimated at 28 thousand dollars.
Malvern - Hot Springs County and Benton - Saline County	26	8:30 p. to 9:00 p.			0	0	4	0	Wind, Rain
									A large group of thunderstorms moving through the area produced extremely strong winds along with very heavy rain. Several reports of damage in both counties.
Prairie County	26	Mid- evening to Noon			0	0	0	6	Rain
									Slow moving thunderstorms in the county drenched the county with 5 to 7 inches of rain. Over 8,000 acres of crops were either damaged or destroyed. Damage was estimated at just over 1 million dollars.
Conway and Faulkner Counties	28	6:50 p. to 7:00 p.							Funnel Clouds
									Numerous funnel clouds were reported in the counties as a line of intense thunderstorms moved southeastward through the area. Reports were from local police and the public.
Springdale - Washington County	29	3:55 p.			0	0	0	0	Hail
									Thunderstorms moving northeastward through the area briefly produced golf ball sized hail. No damage was reported.
<b>ARKANSAS (continued)</b>									
Pocahontas - Randolph County	30	9:55 p.							Funnel Cloud
									State Police reported a funnel cloud over the city. No movement was given.
<b>CALIFORNIA</b>									
<b>NORTHERN &amp; CENTRAL</b>									
									NONE REPORTED
<b>CALIFORNIA</b>									
<b>SOUTHERN</b>									
									NONE REPORTED
<b>COLORADO</b>									
Colorado Springs	01	1735	2.0	20	0	0	?	?	Tornado
Agate (Elbert County)	02	1255	0.2	30	0	0	?	?	Tornado
									Reported by public.
Limon (Lincoln County)	02	1355	0.2	30	0	0	?	?	Tornado
									Tornado 14 miles north of Limon reported by Highway Patrol.
Colorado Springs	02	Afternoon			0	0	2	0	Lightning
									Minor damage: Holes in roof of house and window casement.
Denver	5,6	1700-0400			0	0	3	0	Lightning
									Several power outages and moderate damage to railroad building.
Southeastern mountains	06	1800-2100			0	0	?	?	Flooding
									Flooding occurred in Turkey Creek near Colorado Springs and washed out bridge at Rye, Colorado.
Central City	08	1200-1400			0	0	?	?	Flash Flooding
									Rock, logs and debris from Nevada Gulch caused damage when drainage flumes clogged. Several businesses suffered water damage and part of a street was washed away.
Eads (Kiowa County)	11	2100			0	0	?	?	Wind, Thunderstorm
									Tree limbs blown down; electric power outage.
Fort Morgan (Morgan County)	11	1730			0	0	?	?	Thunderstorms, Hail
									Trees downed by wind; hail damaged some crops; flooding to depths of six feet in some fields.
Denver vicinity (Arapahoe County)	11	1500			0	0	?	?	Hail
									Golfball size hail fell just south of Arapahoe County Airport.
Denver (west)	11	1500			0	0	?	?	Lightning
									Lightning hit home in Lakewood.
Colorado Springs (El Paso County)	13	1640	1.0	50	0	0	5	?	Tornado
									Mobile home overturned and demolished near Falcon.
Colorado Springs	13	1630	1.0	50	0	2	5	?	Tornado
									Two homes damaged (mainly roofs) with injuries due to falling objects, near Palmer Park and Petterman Drive.
Colorado Springs	13	1605	1.0	50	0	0	?	?	Tornado
									Report by public north of city and near Air Force Academy.
Colorado Springs	13	1630	0.5	20	0	0	?	?	Tornado
									Unoccupied house struck in Black Forest area.
Green Mountain Falls (El Paso County)	13	1600	5.0	100	0	0	?	?	Tornado
									Sighted also near Ute Pass. Also sighted on Rampart Range Road where trees were blown down (report by Forest Service).
Colorado Springs	13	1640			0	0	?	?	Hail
									Golfball size hail reported in several parts of the city.
Pueblo	13	1715			0	0	?	?	Hail
									Golfball and larger size hail damaged vehicles.
New Raymer (north- east Weld County)	13	1600-1800			0	0	?	?	Hail, rain
									Crops damaged east of town and side roads flooded.
Rockport (northern Weld County)	13	1600-1800			0	0	?	?	Hail
									Hail drifted 4 to 5 feet deep along U.S. Highway 85 north of town.
Boulder	13	1530			0	0	?	?	Hail
									Hail reported size of ping pong balls.
Southeast	17	evening			0	0	4	6	Hail storms, wind
									Crops damaged by hail storms in Bent County, Kiowa County and Lincoln County. Patrol car windshield broken by hail north of Wildhorse. Eight inches of hail on ground at Boyero. Golfball size hail at Elizabeth, at 10 miles south of Limon, and at 3 miles east of Arapahoe County Airport. Heavy hail to 3/4-inch diameter at Littleton, Castle Rock and Sedalia (south of Denver). Hail broke windows near Calhan (23 miles ENE of Colorado Springs). Tennis ball size hail dented cars from Haswell to Hasty (in Kiowa and Bent Counties). Wind damaged windmills north of Haswell.

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					KILLED	INJURED	PROPERTY	CROPS	
<b>COLORADO (continued)</b>									
Wray (Yuma County)	18	1045			0	0	?	?	Hail
Sterling (Logan County)	19	evening			0	0	?	?	Hail, wind
Hail to size of golfballs damaged trees, broke windows, and damaged corn and sugar beet fields. Highway Patrol anemometer registered 87 MPH before it blew down.									
Castle Rock (Douglas County)	19	1830			0	0	?	?	Hail
Hail up to 2-inch diameter, damaged two patrol cars.									
Eaton (Weld County)	19	1930	0.1	20	0	0	?	?	Tornado
Sheriff reported touchdown briefly six miles west of Eaton.									
Akron (Washington County)	20	1945	0.1	20	0	0	?	?	Tornado
Public reported brief touchdown 23 miles northeast of Akron.									
Goodrich, Wiggins (Morgan County)	21	afternoon			0	0	?	?	Hail, rain
1378 acres of sugar beets damaged. Hail to depth of 4 inches on road near Briggsdale. Flooding washed out some roads near Briggsdale.									
Loveland (Larimer County)	23	2000			0	0	?	?	Lightning
Minor damage to tree and house.									
Greeley (Weld County)	23	1935			0	0	?	?	Lightning
Strike made hole 10 inches wide and 5 feet long in roof and closet ceiling and damaged TV antenna.									
Galeton (Weld County)	23	evening			0	0	?	?	Hail, rain
Heavy rainfall near Galeton and Gill (23 miles ESE of Fort Collins) and flooding washed out some roads.									
Delta (Delta County)	24	1600			0	0	?	?	Flooding
Flooded irrigation ditch forced evacuation of 15 families from their homes. No injuries. Six homes damaged by mud and debris.									
<b>CONNECTICUT</b>									
Statewide	10	All day			7	0	4	0	High wind
An intense coastal storm brought wind gusts to 70 MPH. A Thompson, CT man was killed as a tree was blown down onto his moving automobile. Many boats were blown from their moorings.									
Torrington	18	8:30 PM			0	0	3	0	Lightning
Lightning struck a house TV antenna and burned interior portions. A telephone pole transformer was also hit.									
Dayville	26	Evening			0	0	5	0	Lightning
Lightning hit both a four family house and a cottage touching off fires that completely destroyed each.									
<b>DELAWARE</b>									
Little Heaven, Kent County	9	10:57 a.	0.2	40	0	1	5	0	Tornado
A tornado, moving southwest to northeast, touched down at a mobile home park, injuring slightly one man and completely destroying six mobile homes while damaging eight others. There was a distinct path, not straight but wandering left and right from 100 to 150 wide. An eyewitness saw the funnel which he reported as a couple of yards wide at ground level becoming about 100 feet wide where it joined the clouds. He also heard a noise like a freight train. He watched a jeep about 50 feet from point of touchdown being lifted about 15 feet into the air, rotating and dropping front end first into the ground about 20 feet north of where it had been parked. A telephone pole near the parked jeep was also snapped off and carried 100 feet away. Trees were snapped off a few feet above the ground. Debris was widely scattered. Parts of an above-ground swimming pool were blown nearly two miles away. Only one of the demolished mobile homes was tied down. It had three ties per side, but these were not well anchored in the ground. One home with six ties per side, sunk 8 feet deep was next to the tornado path but sustained only puncture damage. Damage was estimated at \$250,000.									
New Castle County	28	5:35 p.			0	1	0	0	Lightning
State trooper while inspecting a parked vehicle, was stunned by a nearby lightning strike. He reported that it threw him about three feet and that his right side became temporarily numb. He received medical treatment and was released for rest at home.									
<b>FLORIDA</b>									
Brooksville, Hernando County	1	2:30PM EST			0	0	0	0	Severe Thunderstorm
Hailstones one inch in diameter were observed during a thunderstorm. No damage or injuries were reported.									
<b>FLORIDA (continued)</b>									
Brevard County	1	Late Afternoon			0	0	3	0	Severe Thunderstorm
Hailstones measuring up to 1 1/2 inches long and one inch wide were reported by a resident of Eau Gallie during a severe thunderstorm. High winds in the nearby West Melbourne area destroyed several metal storage sheds, uprooted small trees and blew down a number of signs. No injuries were reported.									
Broward County	4	2:00PM EST			0	0	0	0	Waterspout
A waterspout was reported off Pompano Beach.									
Polk County	5	4:30PM EST	1/10	15	0	0	3	0	Tornado
A small tornado reportedly touched down briefly in the 150-unit Beacon Hill Colony Mobile Home Court near Lakeland causing minor damage to the added-on features of three homes. The small tornado caved in an attached porch of one home, ripped apart a section of a carport roof three doors away, then jumped three blocks down the street to tear the roof from another porch. Sheriff's officers and city police said there were no other reports of wind damage in the area. One resident reported that he could hear it but could not see a funnel because of the heavy rain. There were no injuries.									
Palm Beach County	6	8:18AM EST			0	0	0	0	Waterspout
A waterspout was reported 5 miles east-northeast of Palm Beach.									
Lake Placid, Polk County	6	Afternoon			0	1	0	0	Lightning
A woman suffered minor injuries when lightning struck while she was talking on the telephone. The telephone was knocked from her hand, she was dazed for several minutes, and suffered a circular white burn where the receiver touched her ear. The lightning also singed her hair. Another woman present at the time reported that she saw a "ball of lightning" over a foot in diameter rolling down the road, and that the smell of singed hair was very strong throughout the house. A third person in the house suffered some shock.									
Highlands County	6	Afternoon	1/10	15	0	0	3	0	Tornado
A small tornado touched down near Lorida destroying a utility shed and slightly damaging a trailer. Damage was estimated between \$1000 and \$1500. There were no injuries. The owners were away from home at the time, but neighbors reported they hear the tornado coming.									
North Dade and South Broward Counties	8	5:20PM EST			0	0	4	0	Funnel Cloud Thunderstorm
A funnel cloud was reported near the Dade/Broward County line in connection with a severe thunderstorm. The thunderstorm also produced as much as 6 to 8 inches of rain in sections of northern Dade County, wind gusts to 60 mph, downed power lines and uprooted trees. Most of this occurred during about a 3-hour period between 4PM and 7PM, the evening rush hour. Street flooding was widespread with water locally 4 feet deep, and thousands of homeward-bound motorists were caught in the storm. A building at northwest 22nd Avenue and 150th Street reportedly was struck by lightning causing a partial roof cave-in. No serious injuries were reported.									
Monroe County	10	4:00PM EST			0	0	0	0	Waterspout
A waterspout was reported off Key West.									
Floral City, Citrus County	12	3:35PM EST			0	0	0	0	Severe thunderstorm
Hailstones one inch in diameter were reported during a thunderstorm.									
Marion County	12	5:30PM EST			0	0	0	0	Severe thunderstorm
Hailstones 1 1/2 inch in diameter were reported 9 miles west of Ocala during a thunderstorm.									
Broward County	13	2:00PM EST			0	0	0	0	Windstorm
A severe thunderstorm accompanied by wind gusts in excess of 60 mph and heavy rain blew down a number of large trees across a 4.4 mile stretch of State Road 84 near the Bonaventure Country Club. At least 100 vehicles, including many trucks and a Trailways bus, were trapped amid the debris for more than 2 hours. There were no reports of damaged homes and no injuries.									
Marion County	13	4:25PM EST			0	0	5	0	Windstorm
A severe thunderstorm accompanied by wind gusts estimated near 70 mph caused damage to quite a few mobile homes in East Villa, just east of Ocala, and to a number of buildings in the area. More than 30 mobile homes were damaged, and the Certified Grocery warehouse suffered extensive damage. No injuries were reported. Total damage was estimated in excess of \$190,000.									
Broward County	14	Unknown			0	0	0	0	Waterspout
A waterspout observed about two miles off Pompano Beach moved to within about 500 feet of the Municipal Fishing pier before dissipating.									

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FLORIDA (continued)											
Polk County	14	6:00PM EST			0	1	5	0			Windstorm
<p>A severe thunderstorm accompanied by wind gusts estimated between 70 and 90 mph and torrential rains moved through the Winter Haven-Eloise-Eagle Lake area. Gusts of 62 mph were measured in Winter Haven. Widespread damage occurred to roofs, trees and power lines. A number of plate glass windows were blown in, sheds and awnings blown down, and a number of mobile homes were damaged. The Chain of Lakes Baseball Stadium suffered considerable damage when the Grandstand roof was blown off, lights and backstops were blown down, and a concrete wall near right field was destroyed. A grounds keeper at the stadium received minor injuries when a section of the roof was blown onto the car in which he was sitting. Damage to the stadium was estimated at \$200,000. The county Civil Defense Director estimated that the total damage, most of which occurred in less than 45 minutes, probably was less than \$500,000 and was caused by straight line winds.</p>											
Satsuma, Putnam County	15	3:45PM EST	1/10	20	0	0	3	0			Tornado
<p>A small tornado touched down briefly near U.S. Highway 17 in Satsuma and moved northwest toward the St. Johns River. The roof of a double wide trailer at St. Johns Estates was blown off. Three other trailers suffered damage from falling limbs. The tornado was accompanied by hail, and lightning started numerous brush fires in the area. No deaths or injuries were reported.</p>											
Hillsborough County	15	4:48PM EST			0	0	0	0			Severe Thunderstorm
<p>A wind gust to 61 mph was recorded at Tampa International Airport during a thunderstorm. No damage or injuries were reported.</p>											
New Port Richey, Pasco County	16	8:50PM EST	1/10	10	0	0	3	0			Tornado
<p>A small tornado touched down briefly at the SPCA Dog Kennel uprooting trees and lifting roofs off several kennels. Heavy rain accompanying the storm caused minor flooding to some businesses on Main Street and South Boulevard. A witness reported hearing a loud roar before the tornado struck. There were no deaths or injuries.</p>											
Melbourne, Brevard County	17	1:45PM EST			0	1	0	0			Lightning
<p>Lightning caused minor injuries to a woman who was holding a radio microphone in an office when the bolt apparently traveled down the antenna. Her left hand and shoulder were numb for several hours.</p>											
Hollister, Putnam County	17	7:30PM EST	1/10	20	0	0	4	0			Tornado
<p>A small tornado dipped down briefly tearing the roof from a house and demolishing a double-width mobile home, several chicken houses, and a pump house. One witness reported a loud roar before the tornado struck. There were no deaths or injuries.</p>											
Miami, Dade County	18	5:21PM EST	1/10	15	0	0	0	0			Tornado
<p>A funnel cloud touched down briefly in the Everglades 3 miles southwest of Tamiami Airport.</p>											
Jacksonville, Duval County	18	7:30PM EST			1	0	0	0			Lightning
<p>Lightning struck and killed a man as he was walking outdoors during a thunderstorm. The bolt hit his right shoulder and came out his left knee.</p>											
Brevard County	19	4:30PM EST			0	0	0	0			Waterspout
<p>A waterspout was observed briefly in the Indian River about 4 miles to the south of Merritt Island Square. The accompanying thunderstorm produced high winds, pea sized hail, and lightning that knocked out power lines in the Cocoa and Cocoa Beach areas.</p>											
Broward County	20	9:30AM EST			0	0	0	0			Waterspout
<p>A waterspout was observed briefly about 4 miles east of Ft. Lauderdale.</p>											
Brevard County	20	2:55PM EST			0	0	0	0			Waterspout
<p>A waterspout was observed briefly near Cape Canaveral.</p>											
Polk County	20	Late Afternoon			0	0	5	0			Severe thunderstorm
<p>Golfball-sized hail fell at Auburndale. The parent thunderstorm produced strong winds that downed tree limbs and power lines in the Lakeland, Winter Haven and Auburndale areas. Heavy rains caused some street flooding in Lake Alfred. Damage to electrical generating equipment in Lakeland was \$50,000. A large plate glass window was blown out in Lakeland. There were no deaths or injuries reported.</p>											
Jacksonville, Duval County	20	7:00PM EST	2.6	20	0	0	4	0			Tornado
<p>A thunderstorm spawned a tornado that touched down briefly about 3 times in South Jacksonville. The parent thunderstorm developed in Clay County at Orange Park about 6:30PM EST where winds downed trees and power lines. The tornado touched down briefly near the intersection of Interstate Highway 95 and University Blvd., where it removed a portion of a motel roof. Then it touched down briefly at the San Souci Substation near Parental Home Road where it broke a major power transmission line, and finally near 8416 Hogan Road where it ripped a portion of a roof off a home. A funnel cloud was observed by San Souci and South Side Estate residents. No deaths or injuries were reported. Radar indicated the parent thunderstorm was moving toward the east northeast at 40 mph.</p>											
FLORIDA (continued)											
Alachua County	21	1:04PM EST	6	20	0	0	0	0			Tornado
<p>A tornado was observed 2 miles south of the town of Alachua, or 16 miles northwest of Gainesville. The tornado moved southeastward and remained on the ground for 6 or 7 miles through a timber area. Damage was limited to trees. No injuries were reported.</p>											
Yulee, Nassau County	22	5:00PM EST	1/10	20	0	0	4	0			Tornado
<p>A thunderstorm spawned a tornado that touched down briefly damaging the roof on one home and blowing out a wall at the Terminal Bag Company. Winds associated with the parent thunderstorm also downed trees and power lines from Hilliard to Fernandina Beach. The radio tower for the Nassau County Sheriff's Department was blown down. No injuries were reported.</p>											
Jacksonville, Duval County	23	3:08PM EST			0	0	0	0			Severe thunderstorm
<p>Wind gusts to 63 mph were observed at Craig Field during a thunderstorm. There were no reports of damage or injuries.</p>											
Jacksonville, Duval County	29	2:50PM EST			0	0	0	0			Severe thunderstorm
<p>Wind gusts to 69 mph were observed at the Cecil Naval Air Station during a thunderstorm. No damage or injuries were reported.</p>											
Citrus County	30	2:55PM EST			0	0	0	0			Severe thunderstorm
<p>Golfball-sized hail was observed near Floral City during a thunderstorm. No damage was reported.</p>											
GEORGIA											
SEE END OF TABLE											
HAWAII											
10 mi SW of Kaena Point, Oahu	9	5:12p									2 Waterspouts
6 mi SSE of Waikiki, Oahu	10	1:45p-2:03p									Funnel clouds
<p>2 funnel clouds extended down about 400 ft from line of cumulus clouds with showers.</p>											
3-6 mi off Maui Point, Oahu	28	12:46p-1:06p									Waterspouts
<p>At different times, 2 dark grey, rope-like waterspouts extended down from leading edge of cumulonimbus cloud with showers (base 2500 ft and tops 25,000 ft) to ocean surface. Hail fell from another cumulonimbus cloud over Pearl City shortly after waterspouts.</p>											
IDAHO											
Fremont, Jefferson, Lincoln, Madison, and Nez Perce Counties	1	Afternoon and night			0	0	5	0			Wind
<p>Strong, gusty winds associated with a cold front caused damage at several locations. Only minor damage occurred in Nez Perce County where power lines were downed at Lewiston and Spalding. Heaviest damage was reported in Jefferson County where a roof was blown off a hangar at the Rigby Airport, and one house trailer was blown 55 feet into a road. Extensive damage to utility lines occurred mainly from fallen trees. Nearly every road in the County was closed at one point or another while work crews removed trees. Damage to utility lines in Madison and Fremont Counties was relatively light, and several small farm buildings were blown over. Also, a recreational trailer was destroyed by a huge fallen tree south of St. Anthony, Fremont County. The roof was blown off a 70-ft. shed northwest of Shoshone, Lincoln County.</p>											
Warm River Area, Fremont County; Bonneville, Jefferson, and Bonner Counties	7	6:30 p.			0	2	4	0			Lightning and Wind
<p>A man and his 14-year old nephew carrying sprinkler pipe were knocked unconscious by a bolt of lightning. Both were hospitalized with badly burned feet and hands. A house in Idaho Falls was struck by lightning at 7:46 p. causing extensive fire, smoke, and water damage. Wind and lightning caused light damage to utilities during the evening and night in Jefferson and Bonner Counties. Also, lightning killed 7 young heifers and started a few small forest fires in Bonner County.</p>											
Oneida and Cassia Counties	8	Evening			0	0	5	5			Flash Flooding, Lightning and Hail
<p>Heavy thunderstorms with rains measured up to one inch caused flash flooding and extensive damage to roads and crops. Interstate Highway 80N was damaged for 8 1/2 miles from the top of Sweetzer Summit south to the Utah line. Repairs will take 5500 feet of fence, 19,000 cubic yards of shoulder material, 460 fence posts, and 25 brace posts. Erosion of cropland was bad in the area causing more damage than the good the rains did in relieving the drought. In the Buist-Bull Canyon area, one farmer reported seeing a 10-ft. high and 150-ft. wide wall of water come down through some of the land sweeping a fertilizer truck a half mile down the wash. Hundreds of acres of wheat, barley and alfalfa including 1500 acres on one farm, were covered with 6 to 18 inches of silt. Irrigation ditches were filled with rock and debris, roads blocked, gardens washed out, aluminum siding pounded by golfball-sized hailstones and several windshields broken. Lightning set fire to a house that burned at Haf in southeast Cassia County.</p>											

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1977

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>IDAHO (continued)</b>									
Murphy Area, Owyhee County	11	5:10 p.			0	0	4	0	Flash Flooding and Hail
Thunderstorms with heavy rains and hail flooded Rabbit Creek and Reynolds Creek. The heavy water flow from the desert flooded State Highway 78, closing it until debris and silt were removed. In one area a culvert was washed out, and in other areas the shoulder was washed away with a portion of the pavement. The air strip at Murphy was damaged by silt and trash left by the flood and was closed for a few days. Several homes and a museum had property damage. Road graders worked a few days reopening gravel roads in the Reynolds Creek area.									
Ferdinand Area, Idaho County	12	2:00 p.			0	0	0	4	Hail and Rain
Hail beat down crops and the heavy rainfall cut furrows in hillside land. Most damage was in the Idaho Flats area and southwest of Ferdinand. Hail was still on the ground Monday morning.									
Canyon and Owyhee Counties	13	5:00 p.	25	2*	0	0	0	5	Hail
Hail up to 1/2 inch in diameter during thunderstorms covered the ground and did extensive damage to crops over an area about 2 miles wide extending from the west of Marsing, Owyhee County to Nampa, Canyon County. Damage to small grains, corn, alfalfa, beets, and fruit crops ranged from 10 to 90 percent. Alfalfa being grown for seed lost so many blooms to the hail that it was cut for hay on several farms--100 acres on one farm.									
Cassia, Power, Bannock, Blingham, and Bonneville Counties	14	3:00 p.			0	3	4	3	Wind, Lightning, and Hail
Strong winds up to 60 miles per hour during thunderstorms caused scattered damage to small buildings and utilities throughout the area. West of American Falls, Power County, one mobile home was demolished; others were blown from their foundations and their roofs blown off. Three people required treatment for cuts and bruises received. Lightning struck power lines and poles in a few locations and damaged a house in Idaho Falls, Bonneville County. Hail damage was light and scattered where it hit south and east of Burley, Cassia County.									
American Falls Area, Power County	14	3:15 p.			0	0	0	0	Funnel Cloud
Two farmers reported seeing a funnel cloud west of town.									
Rexburg Area, Madison County	14	5:30 p.			0	0	0	0	Funnel Cloud
A funnel cloud was sighted northwest of town but did not touch the ground.									
King Hill Area, Elmore County	18	Night			0	0	4	0	Wind
Strong winds during a thunderstorm blew down trees and damaged several buildings in the area.									
Darlington, Butte County	19	4:30 p.			0	0	4	0	Lightning
A home was completely destroyed when struck by lightning causing it to burst into flames.									
St. Anthony Area, Fremont County	19	Evening			1	0	0	0	Lightning
An Esin Bench man was killed by lightning in a field on the family farm.									
Lamont Area, Fremont County	20	4:15 p.			0	0	3	4	Hail and Flash Flood
Thunderstorms with hail and heavy rain damaged hay, grain, and other crops. Heavy rains caused flash flooding that damaged roads and cut through fields leaving small ponds in low areas.									
Driggs Area, Teton County	21	3:30 p.			0	0	0	0	Funnel Cloud
A funnel cloud which appeared north of Driggs was photographed from downtown.									
<b>ILLINOIS Central and East Central</b>									
	5	Afternoon and evening			0	2	5	0	Wind, Lightning
High winds and lightning caused havoc during the afternoon and early evening from about 3pm until 6:30pm. Affected counties were LaSalle, Knox, Mason, Tazewell, Logan, Dewitt, Mason, Piatt, Shelby, Moultrie, Coles, Edgar, Vermilion, Iroquois, Clark and Crawford. Wind gusts in excess of 50 knots caused numerous power outages and a few fires as falling trees and tree limbs crushed many cars and shattered but electrical and telephone lines. The heaviest damage was in Vermilion County, where an estimated \$250,000 toll was the result of the battering of between 50 and 40 homes. Two persons were reported injured in the storm in Vermilion County. A child received a cut foot. A man was burned by lightning which struck the tree under which he had sought shelter from the storm.									
<b>ILLINOIS (continued)</b>									
Kane and Winnebago Counties	5	Morning			0	0	5	0	Lightning
A spectacular early-morning storm brought a vivid display of lightning which caused numerous destructive fires. In Rockford, Winnebago County, a home suffered an estimated \$80,000 damage in a fire after being hit. Five other homes in the city also were reported struck by lightning. In Aurora, Kane County, the electrical storm caused cuts in electrical power and damaged at least 2 homes.									
Lake, Cook, Dupage, Will, Kankakee, Livingston, Iroquois, Ford, McLean Counties	8	12:45pm-3:00pm			0	0	5	7	Wind, Hail
High winds and hail struck northeastern Illinois in the afternoon. Winds of 55 knots and large hail caused the tower at O'Hare International Airport in Cook County to be abandoned for the first time in its history. In Elk Grove Village, also in Cook County, high winds ripped up the roof of a truck dealership. Flying shingles from the damaged roof smashed 12 trucks parked nearby. Also in Elk Grove Village, a warehouse roof was blown off. Power outages from the storm were common in the northern and northwestern suburbs of Chicago, where hailstones covered the ground in a few places. The hail caused some damage to young growing plants and trees in the vicinity of Chicago. At about 3pm, large hail hit farms in portions of McLean, Ford and Livingston Counties, where the soybean and corn crops were reported heavily damaged in a few places. Golfball-sized hail was observed in Mandeville, Lake County at 12:40pm and at Haller Avenue and Irving Park Road in Chicago at 1:37pm.									
Southern Mason, Southern Fulton, Extreme Northern Menard Counties and Logan County	16	2:40pm			0	0	5	0	Thunderstorm, Wind
A heavy thunderstorm, accompanied by strong winds, caused destruction over central Illinois. Most heavily hit was Kilbourne, Mason County, where the Kilbourne Elementary School was reported destroyed by the force of the strong winds.									
Extreme Northern and Northeastern	17	Afternoon and evening			0	10	5	0	Thunderstorm, Lightning, Wind, Heavy Rain
Heavy thunderstorms with high winds and numerous lightning strokes brought injury and damage. In Winnebago County, the storm occurred at about 4:30pm. A bolt of lightning at about 6:15pm caused a fire which gutted the Via Dorian Villa, a Catholic retreat house on Bay View Road between Pishtake Highlands and the city of McHenry in McHenry County. Power outages were common in northern and northwestern sections of Chicago and Chicago suburbs. Eight soccer players in Douglas Park, on West 18th street in Chicago were injured when they were stunned by lightning. High winds at the North Riverside village pharmacy in North Riverside, Cook County, injured 2 customers. They were hurt when cut by a wind-shattered plate glass window which was blown into the store.									
Fulton, Tazewell, Mason Counties	17	7:25pm-7:40pm.			0	0	7	7	Thunderstorm, Wind, Hail
A number of violent thunderstorms struck the central portion of the state in the evening. At 7:42pm, wind gusts of 52 knots and hailstones of 3/4 inch diameter were observed at Cuba, Fulton County. At 7:40pm, Hanite, in extreme northern Mason County reported hail 1 inch in diameter.									
Northern Quarter of State	30	Morning and Early Afternoon			0	2	5	0	Lightning
Much of the state was affected by a devastating storm which began with heavy rains in the early morning. Amounts of between 3.5 inches in the Chicago suburbs and 6.4 inches at Andalusia, Rock Island County, were observed. Many fires in homes, businesses and churches were started by the lightning bolts. At about 8am, lightning hit a chimney at Irving School in Kewanee, Bureau County, causing slight damage. At about 2:15pm, lightning started a fire in a home in Kankakee County, located about 4 miles southwest of Marseilles, on Illinois Highway 1 and Illinois Highway 17. In Will County, 2 people were struck by the lightning bolts. A man in Reokdale was sent to the hospital after being hit by lightning as he repaired a dump truck. In Manhattan, a woman standing in her back yard was injured and sent to a hospital after she was struck by lightning.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1977

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>ILLINOIS (continued)</b>										
West of State	30	Morning and Afternoon			1	4	6	?		Wind
					<p>Much wind damage was done across wide areas of the whole state, beginning in the morning and continuing through the afternoon. Power outages were common as trees and power poles were dashed to the ground by the force of the wind. Windows were broken by the strong gusts and by the wind-blown debris. In farm areas, many farm buildings were damaged by the high winds. Corn was flattened in many places. At about 8am, \$500,000 damage was done to 2 storage bins at the Bakker Milling and Grain Company in Buda, Bureau County. At about 8:15am, a man received cuts to his arm when wind caused his ear window to break at his Bureau County farm. At about 8:45am, a sudden burst of wind knocked down trees and cabins at a boy scout camp on Fox River Drive in Yorkville, Kendall County. Also at about 8:45am, the winds blew in the front picture window of a home in Yorkville, cutting a woman's arms and legs. A woman in the Kendall County courthouse was cut by flying glass from another window smashed by the wind. Near Matteson, Cook County, a worker was killed when a home under construction collapsed on him at about 1:45pm. Gusts of more than 50 knots hit Edgar County just after 2:25pm. The same wind speeds were reported in Deale County just a few minutes later. At about 3pm in Auburn, Sangamon County, a worker received severe bruises. The roof of the State Bank of Auburn, a drive-in bank under construction, collapsed, burying him in the debris after high winds struck the area. At about 3:20pm, wind gusts in excess of 55 knots were observed at the Southern Illinois Airport near Carbondale, Jackson County. At the Corvette Shopping Center, Route 30 and Governor's Highway, Matteson, Cook County, the Corvette Fire Center roof was ripped off by the force of the wind.</p>					
Earlville, LaSalle County	30	About 8:35am.	6.9	850	0	0	4	?		Tornado
					<p>This storm caused much tree and power pole damage. The tornado touched down about 4 miles west of the town. Many farm buildings and a meat processing plant were severely battered. Much structural damage resulted when trees and electrical poles fell on homes and buildings.</p>					
Leland, LaSalle County	30	About 8:35am.	4.1	175	0	0	?	?		Tornado
Sandwich, DeKalb County	30	About 8:45am.	1.6	90	0	0	4	?		Tornado
					<p>A trailer demolished and 2 trailers damaged at Holiday Estates Mobile Park just south of Sandwich</p>					
Millhurst, Kendall County, between Sandwich and Bristol	30	About 8:45am.	3.6	175	0	0	?	?		Tornado
Bristol, Kendall County	30	About 9:10am.	1.7	350	0	0	?	?		Tornado
Elwood, Will County	30	About 1:00-1:30pm.	0.4	90	0	0	3	?		Tornado
					<p>A small, short-lived tornado hit the northwestern part of the town, causing slight structural damage.</p>					
Elwood, Will County	30	About 1:00 or 1:30pm.	3.3	175	0	0	4	?		Tornado
					<p>The tornado was first spotted at a point about 1 mile west of town. It passed over the southern part of town, hitting Terley Trailer Court, where 2 mobile homes were damaged. The storm track ended about 1 1/2 miles east of Elwood. About 100 acres of corn was reported badly torn up by the violent winds with this tornado.</p>					
Matteson, Cook County	30	1:45pm.	1.0	35	0	0	5	?		Tornado
					<p>A small tornado touched down briefly just east of State Highway 30 and just south of U.S. 30, knocking down a cement block-type theater building under construction at Lincoln Mall, then ripping off the roof of an apartment building.</p>					
<b>INDIANA</b>										
Vermillion, Parke, Vigo Counties	5	5:30 - 6:30 PM	--	--	0	1	3	?		Wind
					<p>Winds downed trees and power lines in west central Indiana. Sky King Airport just north of Terre Haute had one quarter of its roof taken off. Two foot diameter trees were blown down. A cyclist received minor injuries after being struck by a falling tree in Vermillion County.</p>					
Scipio Jennings County	5	8:30 PM	--	--	0	0	4	?		Wind
					<p>Strong winds uprooted a 50' tall tree and toppled it onto two vehicles. Another tree crushed a portion of a porch and a garage was destroyed.</p>					
<b>INDIANA (continued)</b>										
Mooresville Morgan County	5	6:45 PM	--	--	0	0	3	0		Lightning
					<p>Fire damaged a mobile home after the air conditioner was struck by lightning. Damage - \$5,000.</p>					
Lawrence County	5	8:00 PM	--	--	0	0	4	?		Wind
					<p>Strong winds blew the roofs off two barns and a door was blown off a machinery shed about three miles east of Williams. At Fayetteville a shed was demolished. Trees and power lines were blown down.</p>					
Delaware County	5	8:00 PM	--	--	0	0	4	?		Wind Lightning
					<p>At Bryantsville strong winds blew the porch off a home and knocked down a number of power lines.</p>					
Vanderburgh County	18	4:15 PM	--	--	0	0	?	?		Hail
					<p>Strong winds uprooted trees and blew down power lines. A roof was blown off a barn at State Highway 67 and Greenville Pike. Also a mobile home was damaged by a felled tree just north of Desoto.</p>					
Dana Vermillion County	28	1:48 PM	--	--	0	0	0	0		Funnel cloud
					<p>Lightning struck a house west of Eaton doing \$10,000 damage.</p>					
South Bend area	28	2:00 - 4:00 PM	--	--	0	0	4	?		Wind Lightning
					<p>Winds downed numerous trees and power lines. Lightning caused a fire at a motel in Mishawaka.</p>					
Gary	28	2:00 PM	--	--	1	0	0	0		Lightning
					<p>A man was killed when he was struck by lightning while fishing at Marquette Park Lagoon on Gary's east side.</p>					
Union County	28	Afternoon	--	--	0	0	4	0		Lightning
					<p>Lightning struck a tree under which several cows were standing. Seven cows were killed.</p>					
Hamburg Floyd County	28	7:00 PM	--	--	0	0	0	0		Funnel cloud
Francisco Gibson County	28	4:45 PM	--	--	0	1	0	0		Lightning
					<p>A man was standing in the doorway of his home when a bolt of lightning hit nearby and sent him flying across the room. He was knocked unconscious for five minutes. He was treated and released at the hospital.</p>					
Terre Haute Vigo County	30	1:04 PM	--	--	0	0	0	0		Funnel cloud
					<p>A funnel cloud was sighted by airport personnel at Hulman Field in Terre Haute.</p>					
Hobart Lake County	30	2:53 PM	8	300	0	1	6	?		Tornado
					<p>The tornado began in a swamp region about 2 1/2 miles west/southwest of downtown Hobart and moved east/northeast up Turkey Creek, causing tree damage. It reached Lake George and cut a path through houses and trees on the south side of the lake. The tornado then moved across the lake to downtown Hobart and turned to move almost straight east. Damage downtown was primarily roof. Two miles east of Hobart the tornado turned to the east/northeast and thereafter showed swaths in the vegetated fields. The tornado ended about 1 mile northwest of South Haven. The tornado was accompanied by heavy rain. Some residents saw a funnel and heard a roar. Only one person was slightly injured. Damage estimated at \$4 million.</p>					
Liverpool Lake County	30	2:55 PM	2 1/2	120	0	0	3	?		Tornado
					<p>The tornado apparently began in Liverpool with considerable damage to trees. One mile east/northeast along the path it destroyed what appeared to be the storeboard at River Forest School in New Chicago. It then turned southeast and moved across the Hobart Sky Ranch Airport. Just south of the airport office trees were felled across the street downing power lines. Residents reported seeing the funnel. This tornado occurred 1 1/2 to 2 miles north/northwest of the Hobart tornado.</p>					

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1977

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>INDIANA (continued)</b>											
Central	30	Afternoon - Evening	--	--	0	1	5	?	Winds, hail		
									Strong thunderstorms moving east/southeast through the state produced damaging winds, hail 1/2" to 1" in diameter, and numerous unconfirmed funnel clouds. Most damage was done to trees and power lines. Only a few property damage incidents were reported. Five miles north of Rochester in Fulton County a trailer was overturned. One person was slightly injured. A barn was knocked down northwest of Shelbyville in Shelby County. Several houses were damaged in Becks Grove in southeast Brown County. Some damage was done to houses in northern Lawrence County. Several homes were damaged by strong winds near Churubusco.		
Daylight Vanderburgh County	30	5:50 PM - 6:30 PM	15	50	0	1	5	?	Tornado		
									An intense thunderstorm moving east/southeast is believed to have produced one tornado with a 15-mile long path. The tornado first damaged trees near St. Wendel. The tornado was next observed near Darmstadt where it destroyed a large storage barn and did minor damage to a farmhouse. Some trees were uprooted. Other trees were snapped off near the top. Another barn was shifted from its foundation about one foot. One person reports that the tornado skipped over several houses before moving onto the east. In Daylight, which is just north of Evansville, one injury was reported as a woman suffered from a cut shoulder and ear when the roof was ripped off her patio and a barn was leveled.		
Fort Branch Gibson County	30	Around 6:00 PM	1/10	20	0	0	5	0	Tornado		
									The roof was torn off one house and a roof of another house was damaged by a small tornado.		
<b>IOWA</b>											
			SEE END OF TABLE								
<b>KANSAS</b>											
Saline and Dickinson Counties	1	3:15p to 7:15p			0	0	5	5	Hail, Wind, Rain, Funnel		
									Heavy thunderstorms moved south through central section of the state from Ottawa to Pratt and Kingman Counties. Some contained hail, strong winds, and heavy showers. Greatest damage was in Saline and Dickinson Counties. About 3:40 pm a funnel cloud was reported 4-1/4 miles northwest of Salomon where 4-1/2 inches of rain fell in a little over an hour. (Scattered hail of 3/4 to 1-3/4 inches in diameter fell in Reno and Pratt Counties 6-6:20 pm) Damage was to buildings, trees, and utility lines caused by wind and hail. Aircraft were damaged at the Salina airport.		
Finney County	11	7:15p	1/2	100	0	0	4	0	Tornado		
									Tornado touched down 6 miles west-southwest of friend and moved northeast for about half a mile. Damage was to farm buildings.		
Cloud, Clay, Chase, Dickinson, Marion, Morris and Butler Counties	17	1:10a - 8:00a			0	12	7	7	Hail, Wind, Rain		
									Strong thunderstorms moving south through these counties were accompanied by strong gusty winds, local hail to 1-3/4 inches in diameter, and heavy showers. Crop and pasture damage was near 100% in some areas. Heaviest damage was in the area of Herington to Burdick where estimated damage over five million dollars and 12 injuries were reported. Businesses, homes, trees, and utilities were damaged by wind, hail, and water.		
Southern Geary, and Southern Riley Counties	17-18	Late After /Night			1	0	6	5	Rains, Flash Flood		
									Nearly stationary thunderstorms produced heavy rains of 4 to over 6 inches in southern portions of Geary and Riley County. Considerable urban runoff resulted with substantial street flooding, with water entering numerous homes and basements, especially in the Manhattan and Junction City vicinities. Flash floods occurred on small streams and waterways in vicinity of heavier rain cores. One of the more serious was on Seven Mile Creek at Ogden where a flash flood swept through a trailer court, demolishing 5 mobile homes and washing away several automobiles during the early morning hours of the 18th. A flash flood on the Fort Riley Post on Rimrock Creek claimed the life of one soldier on maneuvers.		
Cherokee County	18	12:35	1	30	0	0	4	0	Tornado, hail		
									Tornado near Weir moved southeast about 1 mile. Minor damage to trees and buildings. Numerous reports of hail to 1-3/4 inches diameter in the county with only minor damage.		
Hamilton County	18	3:15a - 3:30a			0	0	6	0	Hail		
									Hail up to 2 inches in diameter damaged homes, buildings, and cars in Syracuse with little damage outside the city.		
<b>KANSAS (continued)</b>											
Edwards County	20	6:15p - 7:15p			12	*2	0	0	3	5	Hail
											A strip of hail about two miles wide extended from Lewis to 2 miles east of Belpre. Hail stones up to 1-1/2 inches diameter caused damage principally to unharvested wheat.
Stafford County	20	6:40p	2-1/2	100	0	0	4	0			Tornado
											A tornado from 8 miles south and 3 west of St. John moved southwest to 10 miles south and 4 miles west of St. John, destroying an abandoned house and outbuildings. The tornado was on the ground 30% of the time.
Shawnee, Douglas Counties	24	Eve			0	0	6	5			Rain, Flash Flood
											Heavy thunderstorms produced 4-5 inch rains in 1-2 hours over southern Shawnee County south of Topeka and in the Lawrence vicinity in Douglas County. Considerable urban flooding resulted in Lawrence and much of the community of Wakarusa south of Topeka being inundated with substantial loss in both episodes.
Gray and Meade Counties	29	1:30a - 2:00a			29	*2	0	0	6	6	Hail
											Thunderstorm with hail reported up to 2 inches in diameter moved east-southeast from near Copeland to Fowler. Damage was to wheat and corn in a path about 2 miles wide. Most of the property damage was to buildings and trees in Fowler.
Graham County	30	evening					0	0	3	0	Wind
											Wind gusts to near 60 mph caused minor damage to trees and property in the Hill City vicinity.
											<b>SPECIAL HAIL SUMMARY</b>
											Hail loss clearing house reports indicate hail was especially severe on the following dates, and in the following counties:
	1										Clay, Cloud, Dickinson, Kingman, Lincoln, McPherson, Ottawa, Pratt, Reno, Rice, Saline.
	3										Sedgwick
	11										Barton, Clay, Douglas, Edwards, Ellsworth, Finney, Ford, Franklin, Kiowa, Lyon, McPherson, Mitchell, Pawnee, Pottawatomie, Rice, Saline, Wichita.
	12										Crawford, Marshall, Saline, Shawnee.
	13										Cloud, Jewell, Marshall, Mitchell, Ottawa, Republic, Saline.
	16										Clay, Marion, Phillips.
	17										Chase, Clay, Cloud, Decatur, Dickinson, Geary, McPherson, Marion, Marshall, Morris, Osage, Ottawa, Republic, Saline.
	18										Allan, Crawford, Labette, McPherson, Marion, Morris, Morton, Osage, Ottawa.
	19										Cheyenne, McPherson, Rawlins, Rice.
	20										Barton, Lane, Ness, Pawnee, Rice, Stafford.
	21										Barton, Ottawa, Doniphan.
	23										Graham.
	24										Finney, Gray, Scott, Sheridan, Thomas.
<b>KENTUCKY</b>											
Bullitt County	5	10 pm EDT							4		TSTM
											Winds estimated at 60 mph heavily damaged a church in the Kings Church Road area.
Green County	5	10 pm EDT							3	4	Hailstorm
											Forty farmers reported extensive crop damage from large hail and high winds.
Pike County	6	12 pm EDT							4		Hailstorm
											Hail the size of softballs broke the windshields of 8 cars in the area. (Phelps area)
Todd County	12	Aftn							4		Hailstorm
											A thunderstorm produced 2 1/2 inches of rain and golf ball size hail, causing "extreme heavy" damage to about 20 farms.
Adair County	13	4:30 pm EDT							3	3	Hailstorm
											A thunderstorm produced high winds and hail which covered the ground to a depth of 3 inches. One building was destroyed, and crops were damaged.
Lexington	19	Aftn							4		TSTM
											Winds estimated at 60 to 70 mph heavily damaged the Pickway Apartments and blew down a house under construction.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1977

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>									
Green County	23	6:30 pm CDT					4	4	TSTM
A severe thunderstorm caused heavy damage on a Green County farm. Two large barns and a large tool shed were blown down.									
Muhlenberg County	23	Eve					4		TSTM
High winds associated with a severe thunderstorm completely disintegrated two mobile homes in Central City.									
Marshall County	26	3:30 pm CDT				4	4	0	TSTM
High winds associated with a severe thunderstorm toppled a huge fuel tank being constructed in Calvert City. Four men were injured when they fell off the tank.									
Louisville, KY	30	8:30 pm EDT	2	100	0	0	4	0	Tornado
A tornado touched down at Valley Station in the southwestern part of Louisville, damaging a fruit market.									
Larue County	30	8:30 pm EDT			1	2	4	0	TSTM
A 45 year old woman was killed as she tried to leave her trailer during a severe thunderstorm. Her two children escaped, but as she tried to leave, the trailer blew over on her. The trailer was located 8 miles south of Hodgenville. Wind speeds were estimated at 80 miles per hour.									
Anderson County	30	10 pm EDT	1	300	0	0	4	3	Tornado
A tornado touched down in the southern part of Anderson County and moved ESE destroying a mobile home, 2 large barns and damaging a house.									
Montgomery County	30	10:30 pm EDT	0.2	50 yds		6	5	0	Tornado
A tornado hit the town of Comargo destroying 6 mobile homes, 6 cars, a boat, a barn, and a grocery store.									
Grayson County	30	7:30 pm CDT					5		TSTM
High winds estimated at 80 mph caused extensive damage in Leitchfield. A drive-in theater screen was blown down, a trailer was overturned, and many homes were damaged.									
Boyle County	30	Eve					4		TSTM
A severe thunderstorm produced high winds which damaged two schools. A scoreboard was blown down, bleachers and a fence were blown down, and a wall of the BOYLE County Primary School was knocked down.									
<b>LOUISIANA</b>									
SEE END OF TABLE									
<b>MAINE</b>									
Eastport, Washington County	16	PM			0	0	3	0	Severe thunderstorm
Severe thunderstorms along the coast in eastern Washington County with strong gusty winds. Trees and limbs damaged structures and utility lines. Boat capsized by wind near Eastport.									
<b>MARYLAND &amp; D.C.</b>									
Mr Chesapeake City, Cecil County	1	10:30 p			0	0	4	0	Lightning
Apparent lightning-caused fire destroyed 80-foot by 200-foot pole barn. Numerous pieces of farm equipment lost, along with several thousand bales of hay.									
Carroll, Howard and Baltimore Counties	1	6:30 p-9:30 p			0	0	3	0	Wind, Lightning
Fallen tree limbs and lightning were responsible for power interruption to some 5,000 homes in the area, including 1,300 in the Pimlico area.									
Baltimore and Anne Arundel Counties	9	3:00 p-4:30 p			0	0	0	0	Rain, Hail
Heavy rain caused some local flooding, disrupting rush-hour traffic in the Baltimore metropolitan area. Marble-size hail fell for at least 10 minutes near Annapolis.									
Washington, D.C. and Vicinity	17	4:00 p-6:00 p			0	0	0	0	Rain
Rock Creek Parkway temporarily closed, along with some other streets due to flooding, as heavy thunderstorms moved through.									
Baltimore, Carroll and Harford Counties	17	Evening			0	0	3	0	Lightning, Rain
Lightning set fire to nine homes or buildings in Harford County and set a tree afire adjacent to another home - but damage was minor. In Baltimore County some streets were temporarily blocked by water and, in addition, about 20 homes struck by lightning - none resulting in fire. The major problem during the storm was lightning damage to electric poles, wires and transformers.									
<b>MARYLAND &amp; D.C. (continued)</b>									
Montgomery and Prince Georges Counties	18	Afternoon			0	0	2	0	Lightning
Home in Prince Georges County received only minor damage due to lightning-caused fire. In Montgomery County lightning struck a utility pole and travelled into house, sending a jolt of electricity through telephone receiver. Man talking on the phone felt a slight shock through his body, but otherwise uninjured.									
Garrett County	20	5:30 p	2	50	0	0	4	0	Tornado
Tornado apparently first touched down in vicinity of Terra Alta Lake in Preston County, West Virginia. It moved southeastward for about four miles where it crossed into Maryland in the vicinity of Hitton, then dissipated near Crellin after travelling another two miles. Said plant south of Oakland almost completely destroyed and equipment inside damaged; a mobile home in Hitton totally demolished and many trees in the area were either uprooted or split down the middle. Total damage estimated at \$40,000.									
Central and Eastern	28	Afternoon & Evening			0	0	4	0	Severe Thunderstorms
Thunderstorms moved into Frederick County in mid-afternoon, disrupting electrical service and causing some flooding. Myersville-Middletown Road closed overnight due to high water. In Baltimore County thunderstorms dumped around four inches of rain in the White Marsh area beginning around 3PM, with flash flooding in low-lying areas of Dundalk, Essex and Middle River sections. Power was knocked out at approximately 14,000 locations in Harford County and local flooding, particularly in the Bel Air, Joppatowne and Edgewood areas caused several roads to be closed; in addition a lightning-caused fire resulted in moderate damage to a brick and wood dwelling in the Forest Hill section. On the Eastern Shore winds reported in excess of 70 mph along with golf ball-size hail. Barns in the vicinity of Trappe were damaged, several 70- to 80-year old trees leveled, and a 42-foot sailboat knocked off its cradle. The activity continued southeastward causing widespread but generally minor lightning damage to several houses between 6:30PM and 7:30PM. In all, some 33,000 homes over the state were affected by power outages during the storm. Damage assessment: Wind: \$10,000; Lightning: \$5,000; Flooding: \$15,000 Hail: negligible.									
Mr Arundel on the Bay Anne Arundel County	28	4:30 p			0	0	3	0	Waterspout, Wind
Waterspout in the South River, moving from south southeast to north northwest, came ashore near Hillmead Shores and dissipated. Thunderstorm winds brought scattered reports of wind damage, mainly from downed trees. House under construction suffered wind damage. Total damage estimated at \$5,000.									
<b>MASSACHUSETTS</b>									
Turners Falls	2	7:50 PM			0	0	3	0	Lightning
Lightning destroyed a fuse panel in a building.									
Wilmington	2	6:30 AM			0	0	4	0	Lightning
Lightning struck a house causing a television to ignite which then spread to a closet and the house.									
Eastern parts	10	All day			0	0	4	0	High wind
An intense coastal storm brought wind gusts to 70 MPH across many coastal areas. Many boats were blown from their moorings, a microwave antenna on Nantucket Island was battered.									
Dorchester Lunenburg	26	Afternoon			0	2	3	0	Lightning
A man pitching in a Dorchester softball game was struck by lightning and was fortunate to be revived by a fireman and a nurse. A young woman in Lunenburg was shocked by lightning as the current passed through the washing machine which she was touching. A house was struck by lightning and several switches were blown off the walls. Several transformers on telephone poles were blown up. Still another strike blew 4 windows out of a funeral home.									
Millford	29	5 PM			0	0	3	0	Lightning
Two houses were struck by lightning and sustained minor roof damage.									
Sutton	29	3 PM			0	0	5	0	Lightning
Lester's Jester, a racehorse and two husky dogs were killed as lightning struck a barn and house.									
Wilbraham	29	3 PM	1/10	30	0	0	5	0	Tornado
A small tornado ripped up trees, blew a carport across a street, flattened a greenhouse and slightly damaged 29 houses. At an industrial center windows were smashed, roofs lifted and a 75 foot section of a warehouse wall was blown down. Also a camping trailer was flipped over.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1977

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					KILLED	INJURED	PROPERTY	CROPS	
MICHIGAN	NO STORM DATA REPORT RECEIVED FOR THIS STATE								
MINNESOTA	SEE END OF TABLE								
MISSISSIPPI									
Moss Point, Jackson County	1	5:45 PM	100	0	0	2	0		Tornado
	A small tornado barely touched down 3/4 mi. E of the intersection of Hwy 63 & 613 or about 7 mi. NNE of Moss Point. Damage was mainly to trees and power lines.								
Helena, Jackson County	1	6 PM		0	0	4	0		Wind
	A line of thunderstorms moved through Jackson County. Hardest hit was the Helena community where 3 homes were damaged. Total \$17,000.								
North	6	4-7 PM		0	3	4	?		Wind
	A line of intense thunderstorms ahead of an approaching cold front moved into Northern Mississippi during the late afternoon hours causing widespread wind damage in several counties and injuring 3 persons. Several homes and business sustained roof and window damage in Okalona and Aberdeen. Clarksdale, Tupelo, New Albany, and Grenada also suffered minor damage. Fallen trees and power outages were widespread over several other northern counties. The thunderstorms moved across the Tennessee line around 4 PM and moved southward and began weakening around 7 PM. Total damage unknown at time of report but probably less than \$50,000.								
Laurel, Jones County	13	5:10 PM		0	0	0	0		Funnel Cloud
	Jones Co. Sheriff's office reported a funnel cloud over Laurel as a cluster of heavy thunderstorms moved northward into Jones Co.								
Summerlands, Smith County	16	3:45 PM	1/2	30	0	0	4	0	Tornado
	A small tornado touched down 1/2 mi. of the Summerlands community destroying one trailer then moving NNE for 3/4 mi. and knocking another trailer off its blocks and twisting it. \$7,500.								
Coast, Jackson County	18	9:40 AM			0	0	0	0	Waterspout
	A waterspout was sighted by the US Coast Guard and the Pasagoula PD near the beach just SE of Pasagoula moving NE.								
McCall Creek, Franklin County	29	6 PM			0	2	0	0	Lightning
	Two male youths were injured when lightning struck a stump in the pond in which they were swimming about 5 miles south of McCall Creek in Eastern Franklin County. A third youth was stunned while the other two were knocked unconscious.								
MISSOURI									
West Central and Central	1	aftern	?	?	0	0	4	5	Severe Thunderstorm
	Strong thunderstorms developed during the afternoon in west central and central Missouri producing strong winds and large hail. Much crop damage from hail was reported in Pettis, Benton, Boone, Miller, and Lafayette Counties. Some livestock was reported killed by lightning in Gasconade County. Very high wind and hail caused damage on several farms to outbuildings, houses, trees, and power lines, plus a mobile home.								
Eldorado Springs, Cedar County	4	aftern	?	?	1	0	0	0	Lightning
	A young woman was struck by lightning and killed as she was starting to help her two young daughters out of a wading pool at her home.								
Pettis and Cooper Counties	4	mid morn	?	?	0	0	1	5	Hail
	Much crop damage from hail was suffered in Pettis County and some in Cooper County in a strong mid morning thunderstorm.								
North Central	8	late aftern	?	?	0	0	4	5	Severe Thunderstorm
	Strong thunderstorms developed early in the evening over north central Missouri. Hail did considerable damage to corn, bean, and wheat crops in Mercer, Daviess, Harrison, Livingston, and Carroll Counties. High winds uprooted trees, broke windows, tore roofs off buildings, downed power lines, and damaged outbuildings.								
Monteau County	11	4 pm	?	?	0	0	3	4	Severe Thunderstorm
	Hail damaged corn, soybean, and wheat crops in a late afternoon thunderstorm, excessive rainfall washed newly planted crops out, and strong winds knocked down a building under construction.								
Pemiscot County	12	late aftern	?	?	0	0	3	5	Severe Thunderstorm
	Hail wiped out cotton crops and did much damage to soybeans. High wind downed many trees, one smashing the roof of a late model car.								
Springfield, Greene County	13	12:30 am	?	?	0	0	4	0	Lightning
	Lightning caused the destruction of a home when it was completely engulfed in flames. The family was on vacation at the time.								
MISSOURI (continued)									
Southwest corner of	20	around 7 am	?	?	0	0	3	0	Severe Thunderstorm
	A lightning-started fire destroyed a barn filled with 3200 bales of hay at a farm near Neosho in Newton County, while strong winds tore a roof off a business office and downed electrical lines in Mount Vernon in Lawrence County.								
Western Half and Southeast Quadrant	21	all day	?	?	0	0	5	3	Severe Thunderstorm
	Thunderstorms occurred most of the day with strong storms causing damage in a rather narrow band running from the northwest corner to the southeast corner of the state. Hail reportedly the size of softballs fell in the southwest corner of Saline County damaging crops, windows and roofs of houses, and automobile bodies and windshields. High winds blew down fences and trees, damaged farm and out-buildings, lifted roofs off buildings, and destroyed two mobile homes. Falling trees, in turn, damaged houses, small buildings, and cars. Many power lines were downed. Heavy rains caused some flash flooding of streets and basements and the erosion of farmland. Lightning struck numerous residences and power lines.								
Licking, Texas County	23	early aftern	?	?	0	0	3	0	Wind
	Strong winds blew down part of a supermarket sign, blew out a window in a ceramics shop destroying \$70 in ceramics, and damaged several farm buildings.								
Lamar, Barton County	23	10:30 pm	?	?	0	0	2	0	Wind
	Strong winds tore apart two chicken houses just west of the Lamar airport, snapped several rural electric poles, and knocked out several windows in a nearby house.								
Dexter, Stoddard County	24	late aftern	?	?	0	0	4	0	Wind
	60-mile-an-hour wind broke the three securing chains and caused a bi-winged airplane to strike the tail assembly of another plane and finally to flip over into a fertilizer buggy used to load the aircraft for crop-spraying.								
Southern two-thirds	26	all day	?	?	0	0	5	3	Severe Thunderstorm
	Thunderstorms developed over the southern two-thirds of Missouri, some becoming very strong. Very heavy rain caused flash flooding at Eldon in Miller County, St. Charles in St. Charles County, and Ellington in Reynolds County, causing much damage to businesses and homes. Hail caused damage to crops in Dale County. Lightning stripped two trees of bark at Salem in Dent County and killed two cows in Monroe County. High wind caused damage in Advance in Bollinger County where a riding arena was hardest hit.								
Northwest and across South Central	28	all day	?	?	0	0	4	?	Severe Thunderstorm
	Severe thunderstorms moved into northwest Missouri early in the morning and, increasing in areal coverage, moved across the entire state during the day. Heavy rains caused flash flooding in Mountain Grove in Wright County and in Cabool in Texas County. Widespread wind damage was reported in the northwest quadrant of Missouri. Trees and power lines were downed, windows broken out, and other general property damage was reported. Some damage to crops and farm buildings was caused by wind and hail. Lightning caused damage to some buildings and power lines. About \$20,000 worth of fireworks was destroyed in Independence when wind blew down a Jaycees fireworks tent.								
South Central	30	late aftern	?	?	0	0	2	0	Wind
	Trees were downed by high winds in Crawford and Webster Counties with a large shopping center sign damaged at Rolla in Phelps.								
Dongola, Bollinger County	30	aftern	2	50	0	4	5	0	Tornado
	A small tornado touched down on the west side of Dongola picking up a mobile home and smashing it against a tree and on top of a pickup truck. The Schwartz family whose trailer was destroyed had taken shelter in their car nearby. Mr. Schwartz was sucked out of the car through an open window and deposited 1000 feet away in a bean field. He was dropped without serious injury but was bruised from being struck by tree limbs and other debris in the funnel. His wife and two children suffered bruises and cuts from window glass. Several other vehicles nearby were picked up and moved several feet and were damaged by flying debris. The tornado traveled eastward uprooting heavy trees and causing extensive damage on several farms. Before dissipating, it heavily damaged a new home being built on the east end of town.								
MONTANA									
Northwestern	1	2-9 PM			0	1	5	0	Wind
	Strong winds gusting to 73 MPH were observed at Bailey's Landing near Somers on Flathead Lake and at the Cut Bank airport. Temporary power outages were reported over a wide area. Property damage was also noted in parts of Western Montana.								
Cut Bank	1	2:27 PM	?	?	0	0	4	0	Tornado
	A tornado was observed near Cut Bank near the airport by Flight Service observers. The tornado then damaged a school gym.								
Fort Shaw	1	3:50 PM	?	?	0	0	5	?	Tornado
	Public observed tornado-force winds which destroyed at least one mobile home and heavily damaged three concrete block silos.								
Miles City	14	6:09 PM,			0	0	0	0	Funnel Aloft
	Federal Aviation observers observed a funnel cloud in vicinity of the Miles City Airport.								
Marmarth	14	4-4:30 PM	?	?	0	0	4	0	Tornado
	Public reported a tornado touched down southwest of Marmarth destroying some farm buildings.								

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MONTANA (continued)									
Sidney	15	4:30 PM 5:30 PM			0	0	4	0	Funnel Aloft, Wind
		Public reported a funnel cloud in the southwest portion of Sidney. Strong winds also destroyed a mobile home and blew down some trees.							
Central	16	4:00 PM 5:00 PM			0	0	3	5	Hail
		Golf ball sized hail did extensive damage to wheat fields in scattered areas of Central Montana.							
Rosebud County	22	2:00 PM 5:00 PM			0	0	0	4	Hail
		Golf ball sized hail caused as much as 70 percent destruction to sugar beets in some parts of Howard Valley.							
NEBRASKA									
Morrill County	2	Evening			0	0	3	3	Damaging winds and hail.
		Strong winds and hail damaged cropland, a garage roof and a grain bin 4 miles north of Bridgeport.							
Keith County	7	Evening			0	0	5	0	Lightning
		Lightning caused a fire which destroyed a cabin at Lake McCaughy.							
Box Butte County	8	Evening			0	0	3	4	Hail
		The eastern one-third of Box Butte County sustained hail damage to crops. Windows were broken in the city of Alliance.							
Scottsbluff, Manter, Morrill, BoxButte and Sioux Counties	9	6:40 PM	4	70	0	0	4	5	Tornado
		Severe thunderstorms with hail varying from 1 to 3 inches damaged crops, power lines and homes. A tornado developed near Minatare touching ground briefly between Minatare and Bayard destroying a home, barn and outbuildings on a farm 3/4 miles west of Bayard. Funnel clouds were also reported near Gering and McGrew.							
Madison County	11	Early morning			0	0	3	0	Lightning
		Lightning damaged 4 homes in Meadow Grove.							
Custer County	11	8:59 AM			0	0	4	0	Lightning
		Lightning caused fire destroying a home near Gates.							
Greeley County	11	1:30 PM			0	0	3	0	Lightning
		Lightning caused fire which burned haystack. It also knocked out yard light and damaged appliances in the home.							
Wayne County	11	11 AM			0	0	4	0	Lightning
		Lightning damaged the spire and the electrical wiring on a church.							
Nuckolls County	11	4:30 AM			0	0	4	0	Lightning
		Fire caused by lightning destroyed a machine shed and contents.							
Webster County	12	Evening			0	0	0	0	Funnel
		Funnel cloud 5 miles north of Guide Rock.							
Polk, Fillmore, Thayer, Clay, Hamilton and Saline Counties	12	4 - 10 PM			0	0	5	5	Hail
		Hail varying from 1 1/2 to 3 inches damaged crops, buildings, trees, cars and power lines. Some irrigation equipment was also damaged. More than 17,000 acres were severely damaged.							
Buffalo and Custer Counties	12	3 - 8 PM			0	0	4	0	Hail
		1 1/2 inch hail damaged wheat and corn fields north of Kearney.							
Keith County	12	Morning			0	0	3	0	Lightning
		Lightning damaged a home in Payton. A small fire was started and the propane gas line was broken.							
Adams County	12	5:50 PM			0	0	0	0	Funnel
		Funnel cloud reported southeast of Keresaw.							
Webster County	12	6:55 PM	1/8	10	0	0	0	4	Tornado and hail
		A tornado touched down in a pasture 3 miles southeast of Bladen. 1 3/4 inch hail damaged crops and trees.							
NEBRASKA (continued)									
Saline, Thayer, Nuckolls, Fillmore and Clay Counties	13	1:50 AM - 1 PM			0	0	0	5	Hail and damaging winds.
		1 to 1 1/2 inch hail fell over portions of south-central Nebraska doing moderate damage to crops.							
Scottsbluff, Morrill and Box Butte Counties	14	5:40 PM	1/2	30	0	0	6	5	Tornadoes, hail and funnels.
		A family of 2 tornadoes dipped up and down from just west of Nelbeta and Minatare to just southeast of McGrew damaging severely several farms, power lines and crops. Hail up to 3 inches fell over portions of the area from near Scottsbluff and Gering east to Bridgeport and north to Alliance. Four funnels were also sighted in the Nelbeta, McGrew and Minatare areas and another 27 miles southwest of Alliance. High winds damaged the Scottsbluff and Gering area.							
Scottsbluff County	16	5-7 PM			0	0	0	0	Hail
		Hail of 1 3/4 inch fell in northwest portion of the county.							
Harlan and Franklin Counties	16	7 to 10:30 PM			0	0	5	4	Hail
		Hail up to 4 inches extensively damaged homes, trailer homes, buildings, power lines, trees and crops.							
Dixon and Dakota Counties	16	Morning			0	0	4	0	Damaging wind
		Winds of up to 63 miles per hour flattened most of the cat crops in extreme northeast Nebraska.							
Blaine County	17	7-8 AM			0	0	0	0	Hail
		Hail of 1 1/2 inch fell in southwest portion of the county.							
Northeast Pierce and Southwest Cedar Counties	17	9 AM			0	0	4	0	Lightning
		Lightning struck several homes and damaged power lines.							
Platte and Madison Counties	17	Morning			0	0	0	4	Hail
		A 75 mile area northwest of Humphery was pelted with hail and high winds. Crops were damaged.							
Southern York, Northern Fillmore and Northwest Saline Counties	17	12 N - 1:30 PM	12	70	0	0	5	6	Tornado, hail and damaging winds.
		A tornado touched down near Lushton travelling east-southeast to near Friend damaging crops, trees, power lines, outbuildings and irrigation equipment. Heavily damaged telephone lines. Other winds up to 70 mph and hail heavily damaged crops.							
Webster County	20	12:30 AM			0	0	3	0	Lightning
		A farm home was damaged near Blue Hill.							
Webster County	20	Morning			0	0	4	0	Lightning
		Lightning destroyed a machine shed, combine, other farm equipment and a trailer 1/2 mile west of Nora.							
Scottsbluff County	20	9-10 PM			0	0	0	0	Hail
		Hail of 1 3/4 inch fell in northwest Scottsbluff County.							
Box Butte County	20	10-11 PM			0	0	0	0	Hail
		Hail of 1 3/4 inch fell in southwest portion of Box Butte County.							
Brown County	22	4-5 PM			0	0	0	0	Hail
		Hail of 1 3/4 inch fell south of Ainsworth.							
Knox and Cedar Counties	22	8 PM	2	30	0	0	3	0	Tornado and funnels.
		A tornado was observed 3 1/2 miles west and 2 miles south of Crofton. Damage was reported to outbuildings and trees. Other funnels were sighted.							
Antelope County	22	8-9 PM	1/2	30	0	0	0	2	Tornado
		A tornado touched down briefly 5 miles south and 1/2 mile west of Elgin in a grove of trees doing minor damage.							

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					KILLED	INJURED	PROPERTY	CROPS	
Douglas, Lancaster, Seward, Sarpy, Cass, Saunders and York Counties.	23	7 - 9:30 PM			0	0	0	0	Funnels
			Funnels were observed in each of the counties. Most numerous sightings were in Lancaster and Douglas Counties.						
Cuming, Dodge, Washington, and Burr Counties	27	11:30PM			0	0	3	4	Funnels and Hail.
	28	4:30AM							
			A severe thunderstorm with hail and strong winds damaged crops, trees, power lines and buildings from northwest of West Point to southeast of Blair. Two funnels were sighted near Blair.						
Cheyenne County	28	3-4 AM			0	0	0	4	Damaging winds
			Damaging winds, heavy rains and small hail destroyed crops over a 1 mile path from west of Curley to north of Lodgepole. 40 to 100% loss of wheat.						
Kimball and Cheyenne Counties	29	5:30 PM	4	50	0	0	4	2	Tornado
			Tornado observed in field moving east between Dix and Porter. 24 RFA poles down, shed blown over and roof taken off garage.						
Holt, Rock, Brown and Cherry Counties	29	11 PM			0	0	3	5	Hail
	30	2 AM							
			Hail to 1 1/2 inch in size and rain locally to 5/8 inches fell over portions of north central Nebraska. Stones piled up to 3 inches deep 4 miles north of Meximan. 100% crop damage was reported near Bassett.						
Phelps County	30	Morning			0	0	3	0	Damaging wind
			Winds damaged the newly laid concrete block walls of a school in Loomis.						
Antelope, Boone, Madison, Cuming, Wayne, Thurston and Pierce Counties	30	12 - 4 AM			0	0	5	5	Damaging winds and hail.
			Winds up to 70 mph and hail up to 1 1/2 inch in size occurred over a large portion of northeast Nebraska damaging crops, REA power lines, buildings and telephone lines.						
Hamilton and Hall Counties	30	Early morning			0	0	4	2	Damaging winds.
			Winds up to 52 mph damaged trees, roofs, power and telephone lines in the vicinity of Alda, Grand Island and Aurora.						
Lincoln County	30	2 - 2:30 AM			0	0	0	0	Damaging winds.
			Winds up to 61 mph damaged trees, power and telephone lines, fireworks stands, home and business buildings substantially cutting off power from North Platte to Broken Bow and Stapleton for about 40 minutes.						
Clark County	7	Unknown			0	0	3	0	High winds
			Minor damage to dock at Temple Bar on Lake Mead.						
Lake Mead	9	1615			1	0	0	0	Thunderstorm.
			A girl was killed by lightning.						
Jarbridge	10	1500			0	0	4	0	Heavy rain.
			Mud slide blocked and damaged highway just south of Jarbridge.						
Wild Horse Reservoir	11	1500			0	0	4	0	Tornado.
			Damage to three house trailers.						
Mason Valley	30	2000			0	0	5	0	Flash flood.
			Heavy rain from line of thunderstorms caused damage to property and vehicles.						
Central Lakes Region	2	Evening			0	0	3	0	Severe thunderstorm
			Lines of thunderstorms moved across the Central Lakes Region. Heavy showers and hail reported at Rumney. Three-quarter to one inch hail at Hanover. Lightning set several fires, knocked out power. Some trees downed.						
Hillsboro County, Manchester	26	PM			1	7	4	0	Severe thunderstorm
			Thunderstorm with severe lightning, very heavy showers, and hail. One person killed by lightning, seven others injured. Upwards of two inches of rainfall caused flooding of streets and buildings.						
NEW JERSEY	NO STORM DATA REPORT RECEIVED FOR THIS STATE								
NEW MEXICO	NO STORM DATA REPORT RECEIVED FOR THIS STATE								
Springer, Colfax County	1	1:45 p.	2	25	0	1	3	0	Tornado
			Small tornado with path of about two miles on ground moved northeastward two and a half miles northwest of Springer. Caused minor structural and roof damage to nearby buildings. Other funnels aloft present at time. Several witnesses.						
Carrizozo, Lincoln County	2	?			0	1	0	0	Lightning
			One man injured by lightning strike.						
Texico, Curry County	14	7:25 p.	?	?	0	0	3	0	Tornado
			Small, brief tornado demolished a building and tore down utility poles and trees. Loud roaring sound reported.						
Near Questa, Taos County	28	Afternoon			0	0	5	0	Mudslide
			Heavy local rains caused flash flood and mudslide which damaged and shut down molybdenum mine.						
NEW YORK COASTAL	NO STORM DATA REPORT RECEIVED FOR THIS AREA								
NEW YORK CENTRAL BROOKTONDALE, TOMPKINS COUNTY	18	5P-5:14P	3/4	10	0	0	3	3	TORNADO
			Near Brooktondale about 5 miles Southeast of Ithaca, a mini-tornado was reported and confirmed by the Weather Service Office in Binghamton, NY. The path appeared to be from the Southwest to Northeast and from 1/2 to 3/4 of a mile in length.						
			There was also a thunderstorm in progress and damage was confined mainly to trees with some minor building damage.						
CHENANGO AND OTSEGO COUNTIES	20	5 P			0	0	3	°C	THUNDERSTORM
			Many trees, powerlines and telephone lines were downed by 60 MPH winds during a thunderstorm, moving from West to East. Hail was also reported in some areas.						
NEW YORK WESTERN	NONE REPORTED								
Sampson County near Dunn	2nd	2:45P						5	Hail
			In an area of about 1 square mile, crop damage was: \$20,000.00 cotton; \$7,000.00 corn and \$25,000.00 tobacco.						
Madison & Buncombe Counties	6th	3:00P	35	50	0	3	4	4	Tornado
			Tornado skipped along from about 5 miles west of Hot Springs to about 10 miles NW of Nottreat. Damage mostly to trees, but some buildings and utility lines. Three campers in a tent injured from falling tree limbs.						
Madison, Buncombe and Yancey Counties	6th	3:15P	22	50	0	2	4	4	Tornado
			Tornado skipped along from about 4 miles NE of Marshall to near the Blue Ridge Parkway east of Dillingham. Damage mostly to trees and utility lines, but two injured when trailer was turned over.						
Buncombe County	6th	3:15P	3	40	0	0	3	3	Tornado
			Tornado skipped along for short distance with damage to trees and utility lines.						
Yancey County	6th	3:30P						5	Wind
			A thunderstorm with strong winds damaged a home, trees, and utility lines in the northern part of Yancey County.						

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1977

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>NORTH CAROLINA (continued)</b>									
McDowell County	6th	3:45P					5	3	Wind
									Strong wind collapsed the roof of a new shopping center being built in Marion. Some other buildings were damaged along with some trees.
Catawba County	6th	4:00P			1				Windstorm
									A man was injured on Route 2 out of Hickory when his truck was turned over by strong winds.
Iredell County	6th	3:00P					0		Funnel Cloud
									Funnel cloud observed about 9 miles NE of Statesville.
Rowan County	6th	3:20P							Funnel Cloud
									Funnel cloud observed about 3 miles SW of Salisbury.
Mecklenberg County	6th	4:15P							Hail
									One inch hail observed at University of North Carolina at Charlotte just NE of Charlotte.
Rockingham County	6th	2:40P							Hail
									Golf ball size hail observed just SE of Reidsville.
Alamance County	6th	4:00P							Funnel Cloud
									Funnel cloud observed near Burlington.
Pitt. County	6th	4:00P			1				Wind
									A steel worker was injured when strong winds blew down steel beams on a building under construction.
Craven County	9th	9:50A							Funnel Cloud
									Funnel cloud observed at New Bern.
Craven County	9th	10:40A							Funnel Cloud
									Funnel cloud observed at Cherry Point.
Carteret County	9th	11:30	1½	20	1	5	2		Tornado
									Tornado touched town 3 miles W of Morehead City and skipped along as it moved NE. Mobile home park hit. Many mobile homes damaged. Some tree damage.
Carteret County	9th	11:55							Funnel Cloud
									Funnel Cloud observed near Beaufort.
Jones County	18th	Aftnoon			1				Lightning.
									A woman was killed in Trenton as she removed clothespins from a metal line attached to a tree.
Pender County	19th	4:20P							Hail
									One inch hail fell 10 miles NE of Wilmington near Hampstead.
Macon County	20th	Aftn			1				Lightning
									Man in Franklin hit by lightning when he was leaning with both elbows on the rim of a sink. He was dazed but otherwise unharmed.
Cumberland County	20th	5:30P			1				Lightning
									A man was struck by lightning when picking tomatoes. He was catapulted into the air when hit and was paralyzed from his chest to his toes for a while.
Columbus County	20th	5:45P					4		Wind
									Strong winds and nickle size hail damaged trees and buildings in Chadbourn.
Rowan County	25th	4:15P	15	800	1	3	5	3	Wind
									Several areas from near Cleveland to Salisbury were hit by strong winds associated with thunderstorms. One woman was killed while three other persons were injured when mobile homes were overturned. There was damage to trees and other buildings.
Onslow County	27th	4:05P	1/2	15	0	0	2	2	Tornado
									A tornado touched down briefly NE of Dixon damaging trees and a few trailers.
Cabarrus County	28th	4:00P	3	1200	4	5	3		Wind
									Strong winds estimated at 75 to 115 mph in gusts hit the Kannapolis area damaging crops, trees and buildings. Four boys injured slightly when a small concrete block building was destroyed.
<b>NORTH DAKOTA</b>									
Mott	2	Evening	--	--	0	0	5	0	Lightning
									Fires caused by lightning strikes burned barns on the Ed Hintz and Eldon Meurer farms.
Rugby	3	12:20 am	--	--	0	0	0	0	Hailstorm
									Golf ball size hail. No damage reported.
Mott	4	5:45 pm	--	--	0	0	0	3	Hailstorm
									Golf ball size hail damaged crops on several area farms.
Kenmare	4	7:30 pm	--	--	0	0	4°	C	Hailstorm Windstorm
									Worst storm in many years uprooted trees, ripped parts off buildings, overturned small structures, twisted numerous small metal storage sheds, blew out windows, and damaged area crops.
Minot	4	8:45 pm	--	--	0	0	2	0	Windstorm
									Wind gusts over 60 miles an hour blew out windows and downed tree limbs.
Velva	4	9:30 pm	--	--	0	0	3	0	Windstorm
									Barn damaged by high winds.
Minot AFB	7	3:23 am	--	--	0	0	0	0	Windstorm
									Wind gust of 67 miles an hour. No damage reported.
Hettinger	8	6:30 pm	--	--	0	0	4	0	Windstorm
									High winds destroyed a barn on the Ardmore Thompson farm.
Elgin	10	7:00 pm	--	--	0	0	3	0	Windstorm
									Roof lifted off a trailer house by high winds, also several trees uprooted.
6S Glen Ullin	10	7:10 pm	--	--	0	0	2	0	Windstorm
									Roof blown off a house.
ENE Flasher	10	8:10 pm	--	--	0	0	0	0	Funnel
									No damage reported.
Heart Butte Dam Area	12	Evening	--	--	0	0	5	0	Heavy Rain
									Flash flooding caused by heavy rains washed away roads, small bridges and 50 head of cattle.
3 SE Marmath	14	3:15 pm	8.2	?	0	1	5	0	Tornado
									A tornado destroyed the home, outbuildings, family car, truck and machinery on the Dr. George L. Hegge ranch. Mrs. Hegge received minor cuts.
Boulah Area	14	5:15 pm	--	--	0	0	0	0	Hailstorm
									Base ball size hail. No damage reported.
Hensler	14	6:25 pm	--	--	0	0	3	0	Funnel Hailstorm
									Golf ball size hail knocked out windows in quite a few homes and cars. Funnel cloud also sighted.
Wilton	14	8:00 pm	--	--	0	0	4°	C	Hailstorm Windstorm
									Large hail and strong winds toppled trees, broke windows, destroyed several grain elevators, and damaged some area crops.
Mercer	14	9:00 pm	--	--	0	0	3	0	Windstorm
									High winds blew over one trailer and moved several others off their foundations.
Dickinson	14	9:18 pm	--	--	0	0	0	0	Windstorm
									Wind gusts to 98 miles an hour. No damage reported.
Taylor	14	9:40 pm	--	--	0	0	0	0	Windstorm
									Wind gusts to 68 miles an hour. No damage reported.
Linton	14	10:30 pm	--	--	0		5°	C	Hailstorm Heavy Rain
									Flash floods caused by heavy rains washed out roads and flooded area basements. Hail severely damaged some area crops.
Dickinson	15	4:12 pm	--	--	0	0	0	0	Hailstorm Windstorm
									Hail 3/4 inch in diameter and wind gusts to 58 miles an hour. No damage reported.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1977

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	
NORTH DAKOTA (continued)									
Finley	15	8:45 pm	--	--	0	0	0	0	Hailstorm
		Golf ball size hail. No damage reported.							
Richardton	15	8:50 pm	--	--	0	0	0	0	Hailstorm
		Hail 3/4 inch in diameter. No damage reported.							
Jamestown	15	9:20 pm	--	--	0	0	0	0	Funnel
		No damage reported.							
5NW Marion	15	10:10 pm	9.8	?	0	0	5°	C	Tornado Hailstorm Windstorm
		Tornado accompanied by hail and high winds destroyed barns, blew out windows, knocked over trees, and damaged area crops.							
Enderlin	15	11:20 pm	--	--	0	0	0	4	Hailstorm Windstorm
		Hail and high winds combined to devastate area fields, gardens and trees.							
4SW Wahpeton	17	1:30 pm	--	--	0	0	3	0	Windstorm Heavy Rain
		High winds toppled trees and knocked out windows. Heavy rains flooded homes and business in Wahpeton.							
Zap	21	Night	--	--	0	0	4	0	Heavy Rain
		Flash flood caused by heavy rain washed out a bridge.							
Kulm	22	5:41 pm	--	--	0	0	0	0	Funnel
		No damage reported.							
Kenmare	22	6:45 pm	--	--	0	0	0	0	Funnel
		No damage reported.							
Turtle Lake	22	8:45 pm	?	?	0	0	0	0	Tornado
		No damage reported.							
Silva	25	7:00 am	?	?	0	0	3	0	Tornado
		A shed was destroyed and a roof was lifted off a barn.							
Bismarck	26	4:55 pm	--	--	0	0	6°	C	Hailstorm Funnel
		Hailstones ranging up to 3 inches in diameter dented numerous cars and mobile homes, broke thousands of windows, and pounded trees and gardens. Funnel sighted east of City.							
Carrington	26	6:45 pm	?	?	0	0	4°	C	Tornado Hailstorm
		Tornado touched down on Dan Gross Sr. farm destroying a barn. Hail damaged area crops.							
Kulm	26	7:20 pm	--	--	0	0	5°	C	Hailstorm Windstorm
		High winds and large hail destroyed crops and barns on several farms.							
15NW LaMoure	26	8:10 pm	?	?	0	0	0	0	Tornado
		No damage reported.							
Lidgerwood	26	10:30 pm	?	?	0	0	0	0	Tornado
		No damage reported.							
Towner	27	2:30 pm	--	--	0	0	5°	C	Hailstorm
		Golf ball size hail damaged crops, roofs and cars.							
Willow City	27	3:00 pm	--	--	0	0	0	5	Hailstorm
		Hailstones the size of golf balls severely damaged crops, trees, and gardens on nine area farms.							
Maddock	27	3:28 pm	--	--	0	0	0	0	Funnel
		No damage reported.							
Sykeston	27	3:30 pm	--	--	0	0	0	4	Hailstorm
		Hail resulted in a total crop loss on some area farms.							
5N Valley City	27	5:12 pm	?	?	0	0	0	0	Tornado Hailstorm
		Tornado and 3/4 inch hail. No damage reported.							

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		
NORTH DAKOTA (continued)										
McVille	27	5:30 pm	?	?	0	0	4	0	Tornado	
		Barn and windmill were destroyed on the Lars A. Larson farm.								
7N Hope	27	5:47 pm	--	--	0	0	0	0	Funnel	
		No damage reported.								
Mayville	27	6:25 pm	--	--	0	0	0	4	Windstorm Hailstorm	
		Hail and high winds damaged area crops.								
Lidgerwood	27	7:00 pm	--	--	0	0	0	3	Hailstorm	
		Hail severely damaged crops on several farms.								
Tokio	29	2:35 pm	?	?	0	0	0	0	Tornado	
		No damage reported.								
Grand Forks AFB	29	4:05 pm	--	--	0	0	0	0	Hailstorm	
		Hailstorm with 3/4 inch hail - no damage reported.								
Amenia	29	5:30 pm	--	--	0	0	0	0	Hailstorm	
		Hailstorm with 3/4 inch hail. No damage reported.								
Harwood	29	5:40 pm	--	--	0	0	0	0	Hailstorm Windstorm	
		Hailstones up to 1-1/4 inches in diameter and wind gusts to 60 miles an hour. No damage reported.								
OHIO										
Northeast	17	Evening			0	1	0	5	C	Wind, Hail, Heavy Rain, Lightning
		Scattered thunderstorms moved through Northeast Ohio with hail, strong winds, and heavy rains. Several fires were started by lightning strikes. Gusty winds dented trees and utility lines and caused structural damage. Heavy rains flooded streets and caused some flash flooding in Trumbull and Mahoning counties. Baseball size hail damaged homes and crops in Ashtabula County. An East Palestine man was struck and injured by lightning.								
Cincinnati Area	18	4:30 pm			0	4	4	0	Lightning, wind	
		A line of thunderstorms moved through Southwest Ohio. As the line went through the Cincinnati area there were several lightning strikes. Four people were struck and seriously injured by lightning in two separate incidents.								
Junction, Paulding County	30	5-5:15pm	5	150	0	0	5	0	Tornado	
		Tornado touched down 4 miles west of Junction and moved east to Maumee River. Destroyed houses, mobile homes, and farm buildings.								
Deshler, Henry County	30	5:30-6:15 pm	1	100	0	0	0	3	C	Tornado
		Tornado touched down in open fields 2 1/2 miles northwest of Deshler and moved across a farm destroying an outbuilding. This tornado was apparently from the same storm that struck Junction.								
Fremont, Sandusky County	30	6:15 pm	3.5	.5 mi	0	18	7	0	Tornado	
		Tornado touched down in the southwest part of the city and moved east northeast, through residential areas and the business district. Substantial damage was done to trees and buildings in the downtown area. This tornado apparently came from the same storm that struck Junction.								
Bellevue, Huron County	30	6:40-7pm	3/4	50	0	0	5	0	Tornado	
		Tornado touched down about 1 mile north of the city destroying two rural residences and a number of farm buildings.								
Greenwich, Huron County	30	6:40-7pm	1/2	50	0	0	5	0	Tornado	
		Tornado touched down south of the city destroying a farm complex killing several livestock.								
Crawford and Richland counties	30	6:50 pm	3	75	0	0	0	5	C	Tornado
		Tornado touched down just east of Bucyrus and moved through Sulphur Springs and Tiro into a trailer park in northwest Richland county. The storm did hit-skip damage destroying several houses, mobile homes, farm buildings and flattening crops.								
Sandusky, Erie County	30	7:00 pm	3/4	200	0	3	4	0	Tornado	
		Tornado touched down at Cedar Point Amusement Park. Damage was done to Frontierland. Many trailers and tents were destroyed in the park campground.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
<b>OHIO (continued)</b>									
Richland County	30	7:10 pm	1/2	50	0	0	5	0	Tornado
		Tornado touched down just west of Shelby destroying a house and doing major damage to the Ohio Seamless Tubing Company as it moved into the town.							
Ashland County	30	7:15 pm	1/2	25	0	0	5	0	Tornado
		Tornado touched down briefly in Savanna downing trees and damaging residences and businesses.							
Brunswick, Medina County	30	8:10 pm	2	300	0	3	4	0	Tornado
		Tornado touched down in Brunswick doing damage in residential areas and to businesses at state routes 303 and 42.							
Northern Stark County	30	8:30 pm	1/2	50	0	0	4	0	Tornado
		Tornado touched down in Willowdale Lake area damaging houses and downing a number of trees.							
Coshocton County	30	10:00 pm	1/2	50	0	0	4	0	Tornado
		Tornado touched down 1 mile east of Newcastle doing damage to some houses, farm buildings and downing many trees.							
Western and Northern	30	Evening			0	0	6	0	Funnel clouds aloft, wind, hail, lightning, heavy rain
		Numerous very heavy thunderstorms moved across these parts of the State. More than 25 funnel clouds were reported and there was considerable wind damage. Several lightning strikes caused fires. Heavy rains caused flooding of basements, small creeks and roadways. Damage estimates are exclusive of the 12 tornadoes reported this night.							
<b>OKLAHOMA</b>									
Near Dill City, Washita County	12	12:00 Noon	2	50	0	0	0	0	Tornado
		A small tornado was observed approximately 3 1/2 miles W and 1 mile S of Dill City. Movement was from SW toward NE. No damage was reported.							
Near Cordell, Washita County	12	12:25 p.	6	75	0	0	3	0	2 Tornadoes
		Two small tornadoes were observed to touch the ground about 5 miles W and 1 1/2 miles N of Cordell. A short time later the two tornadoes merged into one. The single tornado then unroofed a barn. No other damage occurred. The tornado was observed for approximately 20 minutes moving toward the NE.							
Albert area, Caddo County	12	1:30 p.			0	1	3	0	Lightning
		A woman was hospitalized from injuries she received when lightning struck the ground near where she was standing. Other lightning strikes in the area caused damage to appliances at several homes. Irrigation equipment was also damaged.							
Near Broken Bow, McCurtain County	12	4:25 p.			0	0	4	0	Hail
		Hail ranged up to 2 inches in diameter.							
Elmore City, Garvin County	12	5:30 p.			0	0	0	0	Wind
		Winds gusting up to 55 knots were measured. No damage was reported.							
Burns Flat area, Washita County	13	3:14 p.			0	0	4	4	Wind, hail
		Wind gusts up to 80 knots were measured at Clinton-Sherman AFB. At the base 1 airplane, 2 hangars and 2 other buildings were damaged. Window and tree damage was extensive. Three inches of rain fell in approximately 30 minutes. At a location one mile N of Burns Flat a machine shop building was destroyed and another building was damaged. At this same location 5 and 3/4 inches of rain were measured in a 45-minute period. Hail up to 1 and 1/2 inches in diameter accompanied the storm and caused severe damage to young cotton plants in the area.							
Near Billings, Noble County	22	4:30 p.			0	0	0	0	Hail
		Hail ranged up to 1 1/2 inches in diameter near the Billings exit along I-35.							
Near Davidson, Tillman County	25	5:30 p.			0	0	5	6	Hail, wind
		A severe hail and wind storm struck a few miles W of Davidson. Approximately 4000 acres of cotton were totally destroyed. Golfball size hail driven by very strong winds drifted as deep as 3 feet in some areas. Rural homes and buildings suffered severe roof and window damage. Irrigation sprinkler systems were scattered across fields and in some cases wrapped around highline poles. The force of the hail stripped bark from trees and many small animals were killed.							
<b>OKLAHOMA (continued)</b>									
Midwest City area, Oklahoma County	25	10:35 p.			0	0	5	0	Wind, hail
		A concrete wall of a building under construction collapsed. Ten doors of a municipal garage were damaged. Glass wall panels were blown out at 2 businesses. Numerous homes reported window and shingle damage from wind-driven hail which ranged up to 1 1/2 inches in diameter.							
Gilmore, LeFlore County	26	11:33 a.			0	1	1	0	Lightning
		A woman was injured while talking on the telephone. Lightning struck a phone line near her home and traveled into her home on the telephone line.							
Near Nowata, Nowata County	26	3:35 p.							Funnel cloud
		North of Nowata.							
Oklahoma City,	28	5:30 p.			0	0	2	0	Wind
		Winds gusting up to 50 knots were measured in far NE Oklahoma City. Damage was confined to transformer fuses damaged by wind and lightning.							
Near Washington, McClain County	28	7:30p.-8:00p.			0	0	3		°C Hail
		Hail up to 1 1/2 inches in diameter fell in a rural area 3 miles SW of Washington. No significant damage was reported.							
<b>OREGON</b>									
Harney Co.	6/7	Aftn.						5	Flash Flood
Crook Co.	6/6	Evening						4	" "
<b>PACIFIC</b>									
									NONE REPORTED
<b>PENNSYLVANIA</b>									
<b>EASTERN</b>									
Lancaster, Berks, Chester, Lehigh and Northampton Counties	1	7 PM to 10 PM EDT			0	0	5	0	Electrical
		Lightning struck at a number of locations in the counties with several houses being hit. Also, fires were started by lightning in a building in Northampton County and in a golf course club house near Downingtown, Chester County. The latter fire resulted in \$60,000 damage.							
Seemsville, Northampton County	1	7:40 PM EDT	1	50	0	0	3	0	Tornado FPP 111
		A small tornado witnessed by a number of people uprooted trees, sheered off trees and tree limbs, broke windows, damaged a barn and destroyed a shed. The funnel appeared white and was as small as 2 yards wide at ground level at the beginning and up to 50 yards wide near the end.							
Wilkes-Barre and Vicinity	18	6-7:30 PM EDT			0	0	4	0	Heavy Rain, electrical, wind
		A severe thunderstorm which moved across the Wilkes-Barre area brought heavy rain which flooded streets and some buildings (2.48 inches was recorded in Wilkes-Barre). Winds blew down trees and power lines. Many lightning strikes added to the power outages and also started a few fires.							
Berwick, Columbia County	19	6-8 AM EDT			0	0	3	0	Wind
		Wind gusts accompanying a thunderstorm toppled a large tree onto an automobile.							

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JUNE 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>PENNSYLVANIA (continued)</b>									
<b>EASTERN</b>									
Eastern	20	4 PM to 8 PM EDT			1	6	4	0	Wind, Electrical
<p>Thunderstorms moving across Eastern Pennsylvania brought damaging winds to many locations over the area. Many trees and tree limbs were down and some trees were uprooted resulting in power outages to over 10,000 customers. Trees fell on houses, a mobile home and automobiles. Trees blocked some roads and hit one automobile traveling down a road killing one person and injuring another. Utility sheds were blown away, a truck camper top was blown out of a yard and a sign blew through a diner window injuring 5. There also were lightning strikes which caused power outages, hit buildings causing small fires and caused a fire in a garage which destroyed an automobile and other equipment. A wind gust to 54 mph was reported at Allentown.</p>									
Lebanon Area	25	11 PM EDT to Midnight			0	0	4	0	Wind, Electrical
<p>Wind downed trees and tree limbs combined with lightning strikes to cause power outage to 2300 customers. Lightning hit some houses and a lumber yard causing some minor fires. Lightning also damaged a house in Loyal Sock Township, Lycoming County.</p>									
Cumberland, Lebanon Berks and Montgomery Counties		2:30 PM to 8:30 PM EDT			2	0	4	0	Electrical
<p>Lightning strikes caused power outages to 2600 customers in Montgomery County and also damaged a sewage treatment plant causing a temporary shutdown. A building fire was started by lightning in Mohnton, Berks County. Two women were killed by lightning, one in Newville, Cumberland County as she stood under a tree and the other at Fort Indiantown Gap, Lebanon County as she ran from a lake to her car.</p>									
<b>PENNSYLVANIA WESTERN</b>									
Beaver, Lawrence, Washington, Somerset and Westmoreland Co.	17	P.M.			0	0	5	?	Lightning
<p>Storm moving eastward through the counties caused power outages, with poles and wires down, as well as trees and tranches. Several minor fires in Washington County. Three houses and a manufacturing plant in Westmoreland County struck. One house in Beaver County, Earn in Lawrence County destroyed and an industrial plant hit, starting a fire in the duct work. Several employees and firemen at the plant injured by smoke inhalation.</p>									
Beaver County	17	P.M.			0	0	5	?	Wind
<p>End blown off barn, with contents badly damaged.</p>									
Beaver and Lawrence Counties	17	P.M.			0	0	?	?	Hail
<p>Hail up to one inch in diameter reported.</p>									
Armstrong County	18	10:30 pm			0	0	5	?	Wind
<p>Wind (possible tornado, unconfirmed) moving west to east, through Rural Valley caused extensive damage. Roof peeled off Snanook Valley High School, allowing considerable interior damage from rain; several mobile homes destroyed and others badly damaged; glass broken by flying debris; TV antennas down; extensive loss of ornamental trees; concrete-block stable blown apart, blocks from which damaged nearby mobile home, unroofing it and tearing away one whole side; aluminum storage shed blown off its foundation and destroyed; garage, two frame buildings and numerous small metal storage-type buildings destroyed.</p>									
Erie County	28	3:30 pm			0	0	5	0	Lightning
<p>Lightning struck apartment complex: four dwellings gutted and eight others damaged. Twenty people left homeless.</p>									
<b>PUERTO RICO</b>									
NONE REPORTED									
<b>RHODE ISLAND</b>									
Statewide	10	All day			0	0	5	0	High winds
<p>An intense coastal storm brought wind gusts to 60 MPH which blew many boats from their moorings. On Block Island, four boats were sunk. Many trees were blown down onto houses and cars.</p>									
<b>SOUTH CAROLINA</b>									
Darlington Co. (Hartsville/Lydia Area)	1	P.M.	-	-	0	0	3	4	Hail, high wind, lightning
<p>Hail up to one inch in diameter covered ground, causing extensive crop damage, as well as damage to roofs. Wind blew down a number of trees.</p>									
Horry Co. (Myrtle Beach Area)	2	P.M.	-	-	0	0	2	3	Hail, high winds, heavy rain, lightning
<p>Severe thunderstorm pelted area with hail, causing utility, tree, and roof damage.</p>									
Statewide	6	P.M.	-	-	0	1	4	5	Wind, lightning, hail
<p>An area of severe thunderstorms moved southward ahead of a "backdoor" cold front, and passed over the entire state. Extensive, but mostly moderate, damage was reported to trees, crops, roofs and several mobile homes.</p>									
Some of the areas hardest hit were Dillon, Newberry, Walterboro, St. George, Darwell, McCormick, Bamberg, Lexington, Chesterfield, Pickens, Greenwood, Aiken, Spartanburg, and Greenville. A church near Dillon burned by lightning.									
Darlington & Chesterfield Cos.	8	P.M.	-	-	0	0	2	4	Hail, Wind, lightning
<p>Thunderstorms accompanied by damaging hail and strong winds caused damage to crops and trees in the Society Hill-Lanser areas.</p>									
Kershaw Co.	12	P.M.	-	-	0	0	2	3	Winds, lightning
<p>Severe thunderstorm damaged a mobile home in the Pleasant Plain, Mt. Pisgah communities.</p>									
Spartanburg Co.	12	5-8:30 P.M.	-	-	0	0	5	0	Wind, lightning
<p>Severe thunderstorm moved southward across Spartanburg County. Scattered damage to trees and powerlines down over the entire county. Most severe damage was in the Lyman-Duncan area. One mobile home blown off the foundation. A body shop destroyed by fire. An airplane hanger and a very expensive airplane destroyed 3 miles west of Cross Anchor. \$250,000 damage estimated.</p>									
Richland Co. (Irmo)	13	P.M.	-	-	0	0	3	2	Wind
<p>Winds downed several trees, damaged several cars and homes.</p>									
Horry Co. (Myrtle Beach)	18	P.M.	-	-	0	0	4	0	Severe thunderstorm, wind, lightning
<p>Severe thunderstorm caused several house fires. Numerous small boats were overturned.</p>									
Richland Co. (Eastover)	19	10 P.M.	4	30	0	0	4	1	Tornado
<p>Small tornado downed steel communications tower, damaged trees and utilities about 1 1/2 miles south-east of Eastover.</p>									
Williamsburg Co. (Near 52 and 375)	19	4:30 P.M.	1	35	0	0	3	1	Tornado
<p>Small tornado cut path through a rural area. Most intersections of damage was to trees and power lines.</p>									
Greenville-Spartanburg Cos. (Mt. Lebanon, Woodruff, Cross Anchor)	19	P.M.	-	-	0	0	4	5	Hailstorm, lightning, wind
<p>Hailstorm cut a 40 square mile swath through area causing extensive hail damage to peaches and truck crops. Numerous trees were downed, 2 barns damaged, one mobile home destroyed. Estimated damage \$50,000.</p>									
Cherokee Co.	22	P.M.	-	-	0	0	4	0	Severe thunderstorm, high wind
<p>Severe thunderstorm moved into northern Cherokee County about 9:15 on the 22nd. Caused considerable damage to 2 homes, destroyed one barn, damaged several outbuildings, numerous trees down. Estimated damage \$20,000.</p>									
Chesterfield & Lancaster Cos.	25	P.M.	-	-	0	0	4	3	Wind, lightning
<p>Strong winds downed a number of trees in lower Chesterfield County, a home near Fort Mill was destroyed.</p>									
Sumter Co. (Southeast Portion of Co.)	29	7:30 P.M.	-	-	0	0	3	4	Wind, hail, lightning
<p>Wind felled a number of trees, hail damaged tobacco and other crops.</p>									
<b>SOUTH DAKOTA</b>									
Southern Meade, Northern Pennington	10	2:30 PM MDT						6	Large Hail
<p>The large hail, estimated one and one-half inches in diameter, broke more than 2,000 windows at Ellsworth Air Force Base, which is located in both counties. A number of military and private vehicles were damaged. The thunderstorm and hail lasted about one half hour.</p>									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS		
<b>SOUTH DAKOTA (continued)</b>										<b>TENNESSEE (continued)</b>										
Corson County	10	6:30 PM MDT							Tornado	Fayetteville, Lincoln County	6	3:20 p.	8	440				3	Tornado	
		A tornado was reported.	observed five miles west of Moberge.	No damage was reported.								The tornado traveled towards the southeast touching down briefly at 4 places. The location is mostly open country and hilly. Damage done to trees and orchards.								
Roberts County	10	11:06 PM CDT							Funnel Cloud	Tullahoma, Coffee County	6	3:30 p.					5		Severe Thunderstorm	
		A funnel cloud was sighted just west of Ortle.										High winds struck the airport blowing part of the hangar roof off and damaging four airplanes and two other buildings.								
Brown County	10	9-10 PM CDT							High Winds	Chattanooga, Hamilton County	6	4:30 p.			2	5			Severe Thunderstorm and small hail	
		High winds were associated with the late evening thunderstorms in Brown County. At 8:55 PM, a report from 20 miles south of Aberdeen estimated winds as high as 60 miles per hour. At 9:27 PM, winds gusting to 55 miles an hour were measured at Aberdeen Airport.										Strong wind clocked at 68 mph at the airport blew down trees and power lines. A 7-year-old youth sustained burns from a fallen wire. The other injury occurred when a section of roofing from a building broke through the windshield of a car in which the victim was riding. Several homes, cars and businesses, including the Eastgate Shopping Mall.								
Pennington County	12	5 PM MDT				4			Heavy Rain	Norristown, Hamblen County	6	5:10 p.					5		Severe Thunderstorm	
		The rain from the heavy thunderstorms to the southwest of Rapid City measured about two and three-quarters inches. This caused brief flash flooding at the Reptile Gardens. Three cars were washed into a building. Some minor farmland damage occurred.										A house, 2 barns and a garage were destroyed by high winds. A mobile home was damaged along with trees blown onto houses.								
Tripp County	12	All Day				5	4			Jefferson City, Jefferson County	6	5:11 p.					4		High wind	
		Heavy rain fell from 7:30 AM to 6:00 PM CDT. The cooperative observer at Winner reported five inches. Many basements were flooded and streets were inundated.										A home was heavily damaged. Part of the roof was carried 300 feet into the neighbor's yard.								
East Central	15&16	Both Days				5	5		Heavy Rain	Knoxville, Knox County	6	5:15 p.					5		Severe Thunderstorm	
		There were thunderstorms with heavy rain and some hail which began Wednesday and continued into Thursday. At Watertown, in Codington County, almost 6.9 inches of rain fell during this two day period. In Brookings County, the following amounts of precipitation were reported: Bruce 7.5, Volga 6.5, Signal 5.2, Elkton 6.0. In Deuel County, Gary received 6 inches; Altamont 5.5 and Brandt and Goodwin 4.5 inches of precipitation. Reports in Kingsbury County in the vicinity of DeSmet were from 7-9 inches. Golfball sized hail fell in the northern portion of Brown County at Frederick.										The Sequoyah Hills area was hardest hit by high wind. Trees and power lines were downed and two barns destroyed.								
Perkins, Ziebach and Harding Counties	21	Afternoon				5	5		Heavy Rain Funnel Cloud	Leadvale, Hamblen County	6	5:15 p.		1	4				High wind	
		Heavy rain and some marble sized hail fell in these counties. Lemmon received slightly more than three inches. A funnel cloud was seen west of Lemmon. Reports from the vicinity of Dupree in western Ziebach County, varied from three to five inches of rain. Seven inches of precipitation fell at Buffalo in Harding County.										A carpenter was killed when a house under construction collapsed by strong winds during a thunderstorm.								
Douglas County	22	4:30 PM CDT					4		Heavy Rain & Hail	Clarksville, Montgomery County	12	5:30 p.					4	4	Severe Thunderstorm and hail	
		Heavy rain and hail up to golf ball size fell in an area between Corsica and Harrison. Unofficial reports of precipitation were as much as two and three-quarters inches. Some cornfields in the area were badly stripped.										The wind gusted to 64 mph along with hail that lasted for 15 minutes. Destroyed considerable corn and tobacco crops. Several mobile homes were damaged.								
Brown County	23	3:30 PM CDT							Tornado	Columbia, Maury County	12	5:40 p.		1	1				Lightning	
		The county sheriff reported a tornado five miles north of Groton. The tornado touched the ground approximately three times during a two minute period. Since it was open country, no damage occurred. A funnel cloud was sighted at Columbia.										A 10-year-old boy was struck by lightning while on a picnic outing. He was holding on to a pickup truck and eating dinner when struck. The bolt also killed a dog standing next to him and injured a woman's leg who was standing close by.								
Marshall County	26	10:50 PM CDT							Funnel Cloud	Lebanon, Wilson County	12	6:00 p.			1	5			Severe Thunderstorm and lightning	
		A funnel cloud was reported north of Britton, moving east along the North Dakota - South Dakota border.										Several mobile homes damaged by high wind. Lightning struck 3 homes and these were destroyed by fire that followed.								
Marshall County	27	8:02 PM CDT							Funnel Cloud	Liberality, Monroe County	12	9:00 p.			1	?			Severe Thunderstorm	
		A funnel cloud was reported ten miles east of Kidder.										A mobile home was blown over injuring a 7-month-old baby. Several homes and barns were damaged.								
Winnehaha County	29	Evening					5		Hail, Funnel Clouds	Knoxville, Knox County	12	9:10 p.				4			Severe Thunderstorm	
		Hail and heavy rain fell in the northcentral portion of Winnehaha County. A strip of farmland eight miles long and about one mile wide was damaged. Several funnel clouds were reported.										Three persons were injured by flying glass as high winds accompanied the thunderstorm. One mobile home was overturned and the occupant injured.								
<b>TENNESSEE</b>										Clarksville, Montgomery County	13	3:25 p.			1	1				Lightning
Pulaski, Giles County	6	3:00 p.				1	5		High wind.			One man was killed when struck by lightning while helping to set tobacco on a farm off the Port Royal Road. Another farmer was working behind a barn when lightning struck him on the leg, ankle, foot and toes. He was treated for burns.								
		High wind during a severe thunderstorm tore a motel roof completely off injuring one occupant. Several homes and a high school gymnasium had roof damage. Trees were uprooted and several power lines blown down.								Deer Lodge, Morgan County	22	PM				1				High wind
												Winds from a thunderstorm snapped a white pine near Deer Lodge, toppling the three-foot-thick tree onto a truck, killing the driver.								
										Greenville, Greene County	22	PM					4			Severe Hail Storm
												A severe hail storm beat a path of destruction three to four miles wide from the Nolichucky River to the mountains in southern Greene County. The larger hailstones measured between 1 inch and 1-1/2 inches in diameter.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1977

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>TENNESSEE (continued)</b>									
Winchester, Franklin County (Twin Oaks Community)	23	12:30 p.					4		Severe Thunderstorm
		High winds accompanied by small hail and a driving rain damaged several houses and barns.							
Dresden, Weakley County	23	4:13 p.			1	1			Lightning
		One woman was struck by lightning and killed while bending over and placing flowers on her husband's grave. A woman standing next to the victim received burns and a broken eardrum.							
Greenville, Greene County	24	5:30 p.	4	100			4		Tornado
		This was a small tornado touching down twice, first in the Greystone area and then in the Sunnyside Community. The touch-downs were brief and trees were uprooted and some twisted. One hood was severely damaged and a garage destroyed.							
<b>TEXAS</b>									
<b>NORTHERN</b>									
Fort Worth, Tarrant County	12	4:00 p.			0	0	4	0	Windstorm
		Strong thunderstorm winds caused widespread light damage across Fort Worth. Signs and trees were felled in the south portion of town with other scattered damage reported in east and north Fort Worth.							
S of Alvarado, Johnson County	12	4:45 p.	Short	50	0	0	3	0	Tornado and Windstorm
		A meteorologist from the National Weather Service Office in Fort Worth observed the weak tornado between Alvarado and Grandview. The tornado was a large whirlwind, not visibly connected to the parent cloud above it. The twister occurred on the south side of a strong thunderstorm. It moved from west to east, picking up weeds and debris on both sides of Highway I-35. The mini-tornado struck the meteorologist's car, shaking it but doing no other damage. Strong straight winds in the rain area north of the tornado overturned a two-wheel trailer on the back of a car.							
Dallas, Dallas County	12	5:00 p.			0	0	3	0	Wind and Rainstorm
		Thunderstorm winds resulted in scattered light damage in the Dallas area. Several locations had high water problems as over 3 inches of rain fell in less than one hour.							
Sulphur Springs area, Hopkins County	12	6:00 p.	Short	Narrow	0	0	3	0	Tornado-Waterspout, Funnel Cloud, and Windstorm
		A funnel cloud was first sighted southwest of the Sulphur Springs Airport, moving northeast. SKYWARN spotters later sighted the same funnel as it touched down and became a waterspout over Lake Sulphur Springs. The waterspout became a brief tornado on the northeast shore of the lake before dissipating. No damage was reported. Another funnel cloud was sighted over the town of Sulphur Springs. Light damage to a fence and powerlines resulted from straight winds in Sulphur Springs.							
Southeast Gregg County	17	?	0	0	0	0	3	0	Heavy Rain
		Accumulated rain water collapsed the roof of a grocery store at the intersection of Texas 149 and FM 349.							
Stephenville, Erath County	22	5:00 p.			0	0	0	0	Windstorm
		A dissipating thunderstorm produced a downrush of air resulting in measured 58 mph winds at Stephenville. No significant damage was observed.							
Dallas, Dallas County	23	7:08 p.			0	0	3	0	Windstorm
		Thunderstorm wind gusts downed a few trees and powerlines in Dallas.							
Mineral Wells, Palo Pinto County	25	1:28 p-1:35 p			0	0	?	?	Wind and Hailstorm
		Sixty to 65 mph winds and marble size hail accompanied a thunderstorm through the Mineral Wells area. Damage was apparently negligible.							
Quanah, Hardeman County	25	4:20 p-5:00 p			0	0	4	?	Hail and Windstorm
		A severe thunderstorm produced strong winds and golf ball size hail as it swept eastward through the Quanah area. The hail, which covered the ground, broke the windshield out of at least one car and damaged paint on houses. Most of the damage occurred in the south portion of Quanah.							
<b>TEXAS (continued)</b>									
<b>NORTHERN</b>									
Vernon area, Wilbarger County	25	5:30 p-6:12 p			0	0	4	?	Hail and Windstorm
		The same thunderstorm complex that affected Hardeman County moved in to Wilbarger County packing 1/2 to 3/4 inch hail and 65 to 70 mph winds. The winds blew a roof off of a house and destroyed several storage sheds. Electric and telephone lines were also downed by the winds. Most of the damage in Vernon was in the west and north portions of town.							
Howe, Grayson County	26	2:15 p.			0	0	4	0	Windstorm and Heavy Rain
		Considerable wind damage resulted as a violent thunderstorm moved across Howe and the surrounding area. The newly erected steel framework for a paint and body shop was destroyed as were three storage sheds. Some signs and numerous tree limbs were also felled by the storm. Over four inches of rain fell during the storm, resulting in minor high water damage.							
<b>TEXAS</b>									
<b>SOUTHERN</b>									
5 NE BROWNSVILLE, Cameron County	6	9:32a			0	0	0	0	Funnel Cloud
		The Cameron County Sheriff's Department reported a public sighting of a funnel cloud near Highways 802 and 48. The cloud moved southward a few minutes and dissipated. No damage reported.							
E. of KEMAH, Galveston County	13	11:30a			0	0	0	0	Funnel Cloud
		Reported over Galveston Bay near Kemah. No damage indicated.							
NUECES COUNTY	14	10:00a-10:45a			0	0	0	0	Waterspout, funnel clouds
		Waterspout observed 9 miles northeast of the Naval Air Station. Two funnel clouds were reported near Bob Hall Pier, moving south.							
CORPUS CHRISTI, Nueces County	15	2:05p			0	0	0	0	Funnel Cloud
		Reported by the public in the Garrol High School area.							
ANNVILLE, Nueces County	22	1:33p			0	0	0	0	Funnel Cloud
		Reported by public.							
20S Pleasanton, Atascosa County	23	12:03p			0	0	0	0	Funnel Cloud
		Report from Atascosa County Sheriff. No damage indicated.							
<b>TEXAS</b>									
<b>WESTERN</b>									
Denver City, Yoakum County	1	1:15A	?	?	0	0	0	0	Hail
		Hail reported with some stones to 1 3/4" in diameter. No damage.							
8 miles northwest of Marfa, Presidio County	12	3:45P	?	?	0	0	0	0	Hail
		Hail to 3/4" in diameter reported. No damage.							
Borger, Hutchinson County	13	3:20P-	?	?	0	0	0	0	Wind
		Winds estimated at 80 mph at Borger Airport. Reported by Airport manager. No damage reported.							
Northern Gray County	13	3:20P-6:20P	?	?	0	0	5	6	Hail, Wind
		Large hail and high wind in and near Pampa caused extensive damage to crops, homes and mobile homes. Hail up to 2 3/4" in diameter and wind approaching 100 mph was reported. Heavy damage to about 16 mobile homes reported and crop damage could reach the \$1 million level.							
Amarillo, Potter County	13	4:50P	?	?	0	0	4	0	Wind
		High winds to about 52 miles per hour caused roof damage to an apartment building and unroofed a house in northern Amarillo. A fence at Palo Duro High School was blown over and the Pantex Plant northeast of the city was reported damaged.							
Memphis, Hall County	13	5:18P	?	?	0	0	4	0	Wind
		High winds ripped the sheet metal front off a department store in the downtown area and unroofed a building east of town.							
Tulia, Swisher County	13	5:50P	?	?	0	0	4	0	Wind
		High wind damage to electric poles causing a power loss in the city. Also a barn received minor damage along with widespread tree and sign damage.							

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1977

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					KILLED	INJURED	PROPERTY	CROPS	
<b>TEXAS (continued)</b>									
<b>WESTERN</b>									
Plainview, Hale County	13	7:10P-	?	?	0	0	4	0	Wind
Winds to 70 mph broke plate glass windows and caused tree and sign damage.									
Lorenzo, Crosby County	13	8:42P	?	?	0	0	3	0	Wind
Lorenzo Police Department reported gusty winds to near 60 mph. Minor tree and sign damage.									
Floydada area, Floyd County	13	9:45P	?	?	0	0	3	0	Wind
Minor wind damage reported. Wind gust estimated to near 70 mph.									
Dalhart, Dallam County	14	8:40P	?	?	0	0	0	0	Wind
Wind to 58 mph observed. No damage reported.									
9 miles north of Vega, Oldham County	18	8:18P-	?	?	0	0	0	0	Hail
Hail to 1 3/4" in diameter fell in open range country. No damage reported.									
Canadian, Hemphill County	18	10:09P-	?	?	0	0	0	0	Wind
Winds estimated at 60 mph at Canadian reported by Canadian Police Department. No damage reported.									
6 miles north of Cactus, Sherman County	19	8:55P-	1/2	30	0	0	0	0	Tornado
Tornado touched down briefly. No damage reported. Reported by the Department of Public Safety at Dumas and the Stratford Sheriff's Office.									
Central Brewster County	20	5:30P-	?	?	0	0	3	0	Wind
Wind damage in heavy thunderstorms between Big Bend National Park and Alpine downed five telephone poles.									
Cary, Childress County	25	4:00P-	?	?	0	0	0	0	Hail
Hail to 1 3/4" in diameter reported. No known damage.									
Between Monahans and Grandfalls, Ward County	27	6:10P	?	?	0	0	0	0	Hail
Hail to 1 3/4" in diameter reported. No known damage.									
El Paso, El Paso County	29	1:30A-	?	?	0	0	3	0	Wind
Wind to an estimated 60 mph blew out windows and did minor tree and sign damage.									
1 mile east of Reese AFB, Lubbock County	30	6:15P-	?	?	0	0	3	0	Wind
Winds to 55 mph reported with minor damage to trees, roofs and signs.									
Coyanosa, Pecos County	30	7:25P	1/2	30	0	0	4	0	Tornado
Tornado touched down briefly. Damages include one mobile home demolished, roof off a store and a church, telephone and electric services interrupted and a few trees uprooted. Several other structures received light to moderate damage.									
<b>UTAH</b>			NONE REPORTED						
<b>VERMONT</b>			NONE REPORTED						
<b>VIRGINIA</b>			SEE END OF TABLE						
<b>VIRGIN ISLANDS</b>			NONE REPORTED						
<b>WASHINGTON</b>	NO STORM DATA REPORT RECEIVED FOR THIS STATE								
<b>WEST VIRGINIA</b>									
Paynesville, McDowell Co.	5th	12:30 - 1:30 pm EDT			0	0	?	?	Hailstorm
Golfball to baseball size hail was reported at Paynesville during a severe thunderstorm. No reports of damage or injuries were received.									
Inwood, Berkeley Co.	17th	Evening			0	0	5	2	Hailstorm
Quarter-inch hail driven by high winds caused extensive damage to roofs, paint, wood trim, large windows, and home gardens. High winds and hail resulted in widespread loss of power and phone service.									
Terra Alta and Hopemont, Preston Co.	20th	6:30 pm EDT	6	50	0	5	5	0	Tornado
A tornado touched down just north of Terra Alta at about 6:30 pm EDT, then moved northwest to southeast to Crellin in Garrett County, Maryland. One hundred thousand dollars damage resulted. Five mobile homes and one barn were completely destroyed. Five persons were injured, none seriously. Touchdown occurred at ten points. The damage zone was fifty yards wide.									
<b>WISCONSIN</b>									
Buffalo County	5	12:30 a.			0	0	*5	0	Hailstorm
Severe thunderstorms with large 3/4 inch hail ruined some corn and barley crops in the area of Canton, Modena, and Dylmanton in north-central Buffalo County.									
Dodge County	5	1:05 a.- 1:15 a.	9	100	0	0	4	0	Tornado
A tornado touched down just north of Astico in Astico Park and travelled eastward to near the junction of Highways KW and W. Mostly minor property damage occurred along the tornado's path. Two sheriff's police observed the funnel between lightning flashes.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>WISCONSIN (continued)</b>									
Fond du Lac, Dodge, Washington, and Waukesha Counties.	5	8:30 p.-9:55 p.	73	400	0	8	7	?	Tornado
<p>A large tornado occurred over portions of southeast Wisconsin the evening of June 5, 1977. The tornado first touched down southeast of Ripon at 8:30 p.m. CST in Fond du Lac County and was last reported at 9:55 p.m. CST near Tess Corners in Waukesha County. The total path length was 73 miles. The maximum width of the tornado was about 1/4 mile in diameter as it passed through the Horizon Marsh in Dodge County. Total damage for this single tornado was over 6 million dollars. The following is a county by county summary of the tornado:</p> <p><b>Fond du Lac County</b> - The tornado first touched down at 8:30 p.m. CST about four miles east-southeast of Ripon near County Highways M and K in a rural farm area. A farm building and barn were destroyed at the initial touch down site. The tornado then continuously stayed on the ground for about 12 miles and moved south-southeast across County Highway M to a point about a mile and a half east of Waupun and crossed County Highway 49 on the Fond du Lac and Dodge County line. An estimated two and one half million dollars damage occurred in Fond du Lac County. 70 buildings in the county sustained damage. Three homes and three house trailers were totally destroyed east of Waupun off Highway 49. 19 barns were destroyed in the tornado's path, 30 houses were damaged, and 100 feet of roof was blown off a motel east of Waupun. Two minor injuries were reported. Dodge County - The tornado entered Dodge County one and one half miles east of Waupun south of Highway 49 and moved eight miles southward through the Horizon Marsh and then into the northwest outskirts of Mayville. About eight farm buildings or barns were destroyed, along this portion of the tornado's path. The tornado first hit the northwest portion of Mayville at about 8:52 p.m. CST and tore off a roof on an apartment building at the intersection of Clark and Breckenridge southward to Bridge Street. Five homes were completely destroyed in this area and one unoccupied house was leveled to its foundation. The tornado continued its south-southeast path through the west and southwest sections of Mayville, where considerable damage was done to homes, with many large trees and power lines blown down. The tornado passed south of the town of Mayville around 9:00 p.m. CST and moved just south of the town across Highway 67. The tornado continued moving on the ground for about five miles to the southeast of Mayville to near the intersection of County Highway AY, or about one and one half miles northeast of Iron Ridge. Additional damage in Dodge County occurred between the southern outskirts of Mayville and County Highway AY, where six farm buildings were reportedly destroyed. At about 9:07 p.m. CST, one farm south of Highway 33 lost all of its farm buildings and the farm house was badly damaged. Total damage in the county was over 1 million dollars. Six people suffered injuries. Washington County - The same tornado that hit Dodge County and lifted southeast of Mayville once again dipped down one mile east of Thompson in Washington County at around 9:15 p.m. CST. The tornado path from Dodge County aligned up well with the touch down in Washington County. The tornado destroyed one house trailer and a barn on Highway 167 which is about two miles southeast of Thompson. The tornado continued to stay on the ground, and hit a farm about two miles east of Monches off County Highway Q on the Washington/Waukesha County line. The town of Erin sustained considerable damage to buildings. Total damage in the county was \$300,000. Waukesha County - The tornado continued to move southeastward out of Washington County south of County Highway Q. The first significant damage occurred about four miles southeast of the County line, or about one mile west of Sussex near the intersection of Highway 74 and County Highway J. One house was nearly destroyed and nearby farm buildings were heavily damaged or destroyed. An eye witness in the house said that the tornado hit about 9:30 p.m. CST. The tornado continued to move southeastward to the intersection of County Highways J and K, where a home sustained considerable damage. The next damage report occurred near the intersection of Duplainville Road and Highway 164. Industrial buildings in the area received heavy damage, and one roof of a large building was completely blown off. A nearby home was heavily damaged and a nearby brick storage building was leveled. Some damaged buildings were along County Highway SS east of Highway 164, with some building roofs blown off. An industrial complex near Doral and Springdale Roads sustained considerable damage. One industrial building had concrete block walls destroyed on the north and west side of the building. The building also had a portion of a steel girdered roof torn off. The Holiday Inn near Highway 18 and I-94 was reported to have lost 60% of its roof. The tornado then apparently moved southeastward into the town of New Berlin. Mostly wind damage was reported, with many trees and wires torn down in New Berlin. Some large trees crashed into homes, causing damage. No homes reportedly received heavy damage. The last reported damage along the tornado's path occurred near Highway 24 and County Highway XY about two miles east-northeast of Muskego in Tess Corners. A roof was torn off a school building, and some trees and power lines in the area were reported down. Clocks in the area went off at 9:55 p.m. CST. About two million dollars in damage was inflicted by the tornado in the county. No injuries were reported.</p>									
<b>WISCONSIN (continued)</b>									
Jefferson, Walworth, and Kenosha Counties	8	10:30 a.-12:16 p.			0	0		*6	C Hailstorm
<p>A hailstorm of rare ferocity ripped an 80 mile long swath of destruction across portions of southeastern Wisconsin and was up to 7 miles in width. Most of the damage occurred to spring crops that were getting underway. Peak size hail was first reported at Waterloo in Jefferson County at 10:30 a.m. CST. At 10:59 a.m. CST marble size hail occurred one mile west of the town of Jefferson. As the storm moved southeast it increased in intensity. The Palmyra area in southeast Jefferson County sustained heavy damage to crops where hail piled up to a couple of inches. Fourty mph winds and marble size hail were reported in northeastern Walworth County. The hailstorm reached its peak at 11:45 a.m. CST near Lyons in eastern Walworth County. Four inches of marble size hail accumulated on the level near Lyons. Heavy rains washed the hail into low lying areas where hail depths reached eighteen inches. Snowplows were called out in the Lyons area to clear blocked roadways. Lake Geneva to the southwest accumulated one and one half inches of marble size hail on the ground. By 12:15 p.m. CST one half inch hail was falling near Twin Lakes in western Kenosha County and did considerable crop damage.</p>									
<b>WYOMING</b>									
Laramie 35 NW	5	6:57 p	?	?	0	0	0	0	Tornado
A pilot reported a tornado touched down briefly.									
Wheatland	5	7:15 p			0	0	0	0	Hail
Hail up to 3/4 inch in the Wheatland area with no reported damage.									
Guernsey	5	Evening			0	6	0	0	Lightning
Six national guardsmen injured when lightning struck building near them.									
Veteran	11	Evening			0	0	*5	0	Hail
Hail up to 2 inches diameter destroyed many crops north and east of Veteran early evening. Damage also to cars, houses, etc.									
Cheyenne	12	3:50 p							Funnel aloft
A funnel aloft was observed for about 10 minutes just west of Cheyenne.									
Cheyenne 30 NW	13	12:42 p							Funnel aloft
A funnel aloft was reported by a pilot.									
Cheyenne 30 NW	13	1:35 p							Funnel aloft
A funnel was reported by public.									
Wheatland 8 SE	13	4:00 p							Funnel aloft
A funnel aloft was reported by public.									
Casper	13	4:05 p			0	0	3	0	Hail
Hail up to 1-3/4 inch diameter fell in lightly populated area with some damage to houses, cars, etc.									
Gillette 30 S	13	5:00 p			0	0	0	3	Hail
Hail up to 1-3/4 inch diameter fell over open range land and destroyed range grass.									
Niobrara County	14	Late afternoon			0	0	*5	0	Hail
Hail up to 1 inch diameter did damage to homes, livestock, small grains and 20,000 acres of range land in northern Niobrara County.									
Niobrara County	14	Late afternoon			0	0	*5	0	Hail
Hail up to 2 inches diameter did damage to homes, livestock, small grains, and 15,000 acres of range land. Killed 15 antelope and one golden eagle.									
Newcastle	15	5:15 p			0	0	4	0	Hail
Hail up to 1-3/4 inches diameter fell over the northern portion of Newcastle with damage to homes, cars, etc.									
Cheyenne	16	4:30 p			0	0	6	0	Hail
A mile wide strip of hail 1 to 2" diameter out across Cheyenne from NW to SE with much damage along the center of the strip to houses, cars, trees, gardens, etc.									
SE Laramie County	16	5:00 p			0	0	*5	0	Hail
Hail up to 1-1/2 inch diameter did damage to several areas. Damage mainly to crops but includes homes, cars, etc.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1977

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	
WYOMING (continued)									
Sheridan	16	5:00 p			0	0	*4	C	Hail, lightning
		One to two inch hail did damage to houses, cars, crops, etc., and lightning killed one horse							
Moorcroft 10 W	16	5:15 p			0	0	*4	C	Hail
		Hail up to 1" diameter, 4 to 6 inches deep caused damage to crops, houses, cars, etc.							
NW Campbell County	16	Late afternoon			0	0	*5	C	Hail
		Hail up to 3/4 inch caused damage to small grains, range land and minor damage to houses, gardens, etc.							
Osage	16	Evening			0	0	*5	C	Hail
		Hail with some stones 3 to 4" diameter and depths up to 10" some areas did damage, west of and in Osage, to crops, houses, cars, etc.							
SE Laramie County	18	8:15 p			0	0	*5	C	Hail
		Hail up to 1-1/2 inch diameter did damage to crops, houses, cars, etc., in several areas in SE Laramie County.							
Cheyenne 27 E	18	9:00 p	?	?	0	0	0	1	Tornado
		A trucker observed a tornado touch down briefly with little if any damage.							
S Goshen, NE Laramie Counties	18	9:00 p			0	0	*4	C	Hail
		Hail up to 1-3/4 inches fell around 9 p.m. doing damage to crops, pastures, houses, cars, etc.							
Dubois 14 W	20	12:15 p	2	20	0	0	0	2	Tornado
		Tornado observed by fishermen touched down by a lake at 9100' above sea level near Union Pass. Tornado moved down a ridge to the NE destroying some trees.							
Lander-Riverton	20	3:00 p			0	0	*4	C	Hail
		Several areas between Lander and Riverton received hail up to 3/4 inch causing damage to crops, trailers, etc.							
Yellowstone Park	20	3:15 p			0	0	5	0	Hail
		Hail up to 1-1/4 inches diameter and up to 4" deep in the Hayden Valley area caused damage to campers, trailers, tents, etc.							
Midwest 37 WNW	20	3:25 p	?	?	0	0	0	1	Tornado
		Tornado touched down briefly on Willow Creek Ranch.							
Tensleep	20	Mid-afternoon							Funnel aloft
		Funnel observed briefly southeast of Tensleep.							
Egbert 7 SE	20	5:10 p							Funnel aloft
		Funnel observed briefly.							
Wheatland 10 W	20	5:15 p	?	?	0	0	0	1	Tornado
		Tornado touched down briefly over mountains.							
Wheatland 13 SW	20	5:30 p	?	?	0	0	*3	C	Tornado, hail
		Tornado touched down briefly. Three funnels aloft seen just south of Wheatland at same time. Most damage done by hail up to 1-3/4" in this area from 5:30 p to 6:30 p. Tornado caused little or no damage as it was over open range.							
Glenrock 6 NE	20	6:30 p	?	?	0	0	0	1	Tornado
		Tornado touched down briefly over open range.							
Lingle 10 SW	20	7:20 p	?	?	0	0	*5	C	Tornado, heavy rain
		Tornado touched down briefly. Most all damage done by heavy rains up to 4" unofficially with some small hail, causing low land flooding.							
Wheatland 10 ESE	20	7:25 p			0	0	0	3	Hail
		Hail up to 1-1/2 inches fell over open range land.							
Cheyenne 10 E	22	1:15 p	?	?	0	0	0	1	Tornado
		A small tornado touched down for about 1 minute, moving east.							
Gillette 10 NW	25	8:40 p	?	?	0	0	0	1	Tornado
		A tornado was sighted on the ground moving ESE. A heavy thunderstorm was observed in Gillette shortly afterwards.							
WYOMING (continued)									
Powell	30	Afternoon					0	5	Hail
		Hail up to 3/4 inch caused severe crop losses in the area south of Powell.							
GEORGIA									
Brooks County	1	4:00 p.			0	0	0	3	Hail
		Limited damage to corn and tobacco.							
Miller County	2	5:00 p.			0	0	4	0	Wind
		Mobile home blown over onto car. Several sheds and trees blown down.							
Northern half of state	6	3-8 p.			2	3	6	4	Severe thunderstorms
		Severe squall line swept southward across northern half of state producing 50 to 70 mph winds, intense lightning, and briefly heavy rains. Lightning killed one woman in Cobb County who was talking on CB radio in her home. One young man was killed when high winds blew tree onto car he was driving, while he and his new bride were returning to honeymoon cabin in Rabun County. A 15 year old girl at Lula was struck and injured by lightning. Several fires started by lightning and numerous power outages reported.							
Atlanta area	12	5:00 a.			0	0	6	0	Lightning
		Lightning caused fire in East Point Chevrolet Dealership destroying 40 to 50 cars, the building and parts. Damage estimated at 1 million dollars.							
Colquitt County	14	4:00 p.			0	0	3	4	Wind
		High winds 7 miles south of Monticello produced heavy crop damage to tobacco and farm buildings. 40 or more acres of tobacco partially stripped.							
Worth County	19	3:00 p.			0	0	4	0	Lightning
		Lightning caused fire which totally destroyed Anderson City's leading industry, Aqua Products, Inc. Damage estimated \$45,000.							
Tattnall County	19	4:45 p.	1	100	0	0	4	0	Tornado
		Tornado struck farm near Ridsville causing \$35-40,000. damage, demolishing one building and doing extensive damage to others. Movement unknown.							
Jeff Davis County	20	9:00 p.	2	100	0	0	4	0	Tornado
		Apparently a small tornado touched down west of Hazlehurst. One farm building was destroyed. Storm then damaged corner of Junior high gym before hitting high school gym and taking almost all of roof. The tops of a number of tall pine trees was snapped between the farm and the gym.							
Brantley County	21	5:00 p.			0	0	4	0	Wind
		High winds hit the Hickox area uprooting several trees and smashing equipment and sheds, but not damaging any homes.							
Waycross	22	5:00 p.			0	0	1	0	Wind
		59 kt. wind measured at station in Waycross.							
Carroll County	22	8:30 p.			0	0	4	0	Lightning
		Lightning caused fire, completely destroyed house and contents.							
Cobb County	22	8:45 p.			1	3	1	0	Lightning
		Lightning struck near victim's trailer at the Arrowhead Campground near Six Flags. Police reports indicate that the lightning struck power lines which fell on the ground near the trailer. One critical injury with 3rd degree burns.							
Clayton County	22	9:00 p.			0	0	4	0	Wind
		High winds and some hail swept through the county causing mostly light damage--most noticeable in Jonesboro.							
Valdosta	23	6:30 p.	1	100	0	0	5	0	Tornado
		Tornado hit the "Five Points Center" area of Valdosta--a heavy commercial area--causing roof damage to businesses, knocking down telephone poles, scattering camper tops and snapping trees. Storm preceded by heavy rain and hail and moved southeast at 20-25 mph.							
Oconee County	23	5:00 p.			0	0	4	0	Lightning
		Lightning caused fire burned a storage barn, with truck and other pieces of equipment inside.							

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<b>GEORGIA (continued)</b>									
Barrow County	23	4:00 p.			0	0	4	0	Wind
									Winds up to 60 mph toppled a chicken house in which two people were working. Damage estimated at \$35,000.
Cook County	23	6:00 p.			0	0	4	3	Wind, hail
									High winds damaged a chicken house, barns, and trees in county. Hail did minor damage to tobacco.
Bartow County	23	2:30 p.			0	0	4	0	Lightning
									Three houses were struck by lightning in Cartersville between 2:30 and 5 PM, causing extensive damage to two and no damage to the others.
Coffee County	23	5:00 p.			0	0	4	0	Wind
									High winds caused scattered roof, tree, and utility line damage in county.
Hall County	30	6:00 p.			0	0	3	0	Lightning
									Lightning struck a mobile home, and resultant fire caused heavy damage.
Houston County	30	4:30 p.			0	0	4	0	Wind
									High winds hit city of Warner Robbins causing roof, air-conditioner, power pole, telephone and tree damage. Peak gust measured was 49 kts. at Robbins AFB.
<b>IOWA</b>									
NW of Lake Mills Winnebago County	4	6:30 - 8:00 p							Funnel
NW of Sumner, Bremer County	7	6:00 p	1	20	0	0	0	0	Tornado
									Touched open ground. No damage.
Near Aurelia Cherokee County	8	5:00 a			0	0	0	4	Thunderstorm (Hail, Wind)
									3 mile swath of marble sized hail stripped leaves from trees - corn & soybeans seemed extensively damaged.
Graettinger, Palo Alto County	10	6:00 p	20	10	0	0	4	2	Tornado
									Large barn exploded, roof damage, trees damaged. First sighted as funnel near Graettinger - touched down briefly in field before hitting farms near Fenton where barn exploded, roofs on houses damaged and several trees damaged.
3 NW of Ledyard, Kossuth County	10	6:00 p	3		0	0	4	0	Tornado
									4 farms sustained out building damage, trees uprooted, power lines down, pony killed.
Oelwein Fayette County	11	Morning			0	0	4	0	Lightning
									Struck city water pump, town without water 2 days.
N of Creston Union County	12	1:00 a			0	1	3	0	Lightning
									Volkswagen struck, driver thrown out, car burned leaving steel bands from radial tires still around rims (no rubber).
Sioux City Woodbury County	16	5:00 a	1	75	0	2	5		Tornadoes
									5 mobile homes overturned. 35 more sustained damage as well as 3 cars and a number of utility sheds.
West Sioux City Woodbury County	16	5:00 a	1	20	0	0	4	0	Tornado
									Roof of nursing home damaged along with uprooted trees and blown out windows.
Near Traer Tama County	17							4	Thunderstorm (Hail)
									Soybean fields heavily damaged by hail.
Ryan Dubuque County	17	2:25 p							Funnel
N of Marion Linn County	17	2:30 p							Funnel
N of Dyersville Dubuque County	17	3:06 p							Funnel
SE of Maquoketa Jackson County	17	3:06 p							Funnel
Green Island Jackson County	17	3:15 p			0	0	3	4	Thunderstorm (hail)
									4 1/2 inches in hour and a half did tree and garden damage and washed out short stretch of railroad track. Severe crop damage.
West of Dubuque Dubuque County	17	3:25 p							Funnel
Northside of Des Moines Polk County	23	3:00 p			0	0	4	0	Heavy rains
									5.26 inches (unofficial) rain fell in short time. Streets flooded; motorists were stranded; storm sewers backed; basements leaked.
Imogene-Randolph area Fremont County	27	Late p			0	0	4	5	Thunderstorm
		28 Early a							Giant sized (2 1/2") hail did much crop damage, gusty winds (estimated 60 mph) did tree, power line and some property damage.
<b>IOWA (continued)</b>									
2S and 2E of Lester Lyon County	28	?						4	Thunderstorm (hail)
									2 mile wide and 6 mile long area. Severe crop damage.
Northeast and East Central	30	Morning			0	0	5	0	Thunderstorm (heavy rains and lightning)
									Up to 6 inches in Scott County. Streets flooded, storm sewers unable to take runoff; many power line outages. University of Northern Iowa Unidome went down and was badly ripped when power outage and emergency backup system failed to keep it inflated (40x120' hole) plus rips at each anchor cable.
<b>LOUISIANA</b>									
Assumption Parish	1	4 PM			0	0	4	4	Hailstorm
									Hail up to the size of golf balls cut a swath about one mile wide and four to five miles long through sugarcane fields and gardens near Belle Rose. Windows and roofs were also damaged.
Grant Parish	4	6:50 PM			0	0	3	3	Severe Thunderstorm and Hail
									The County Agent, Arthur Bergeron, reported hail was piled up to 10 to 12 inches against the sides of residences following the barrage.
Lafayette-Vermilion Parishes	6	3:40 to 5:30 PM	26	50	0	0	4	3	Tornado & Hail
									Thunderstorms with strong, gusty winds and large hail knocked down trees, blocked Highway 8 and 165 and damaged power transformers just south of Hollock. Rains measured up to four inches in the area.
Jefferson Davis Parish	6	4 PM			0	0	3	0	High Wind
									Winds estimated at 60 mph caused slight damage to two aircraft and bent three-inch antenna pole at Lacassine.
Acadia Parish	6	4:15 PM	B R I E F		0	0	2	0	Small Tornado
									Tornado touched down briefly about 10 miles south of Crowley.
Plaquemines Parish	15	1:10 PM			1	0	0	0	Lightning
									George Walmsley, 52, was struck and killed while working on an expansion project at the rear of the Belle Chase State School.
Natchitoches Parish	21	3:20 PM			0	0	4	0	High Wind
									The lightning apparently struck Walmsley near the belt and burned two holes in his socks as it left his body.
Lafayette Parish	27	9:30 AM			1	0	2	0	Lightning
									Donald Cormier, 13, of Lafayette was killed by a bolt while he was riding a motor bike behind his house.
<b>MINNESOTA</b>									
Sherburne County	4	6:00PM	-	-	0	0	5	5	Hail
									Hail 3/4 inch to golfball size covered 25-50% of ground in scattered areas of County. Becker, Big Lake, and Elk River Cities hardest hit.
Southeast Minnesota Counties of Faribault, Freeborn, Mower, & Winona	4	7:00PM	-	-	0	0	4	4	Hail
									Hail from marble to tennis ball size caused widespread property but minor crop damage. Numerous windows shattered, vehicles dented and punctured, many trees stripped of leaves, some roof damage to homes.
Dodge Center & Kasson Dodge County	4	11:00PM	-	-	0	0	5	0	Wind
									Winds greater than 80 mph caused extensive property damage including damage to roof and doors at manufacturing building -barns and farm outbuildings demolished or moved off foundation, several trailer homes destroyed, roof blown off new home. Many trees damaged, mobile home and pick-up truck destroyed. Rainfall of 3.4 inches caused minor flooding along Zumbro River. Numerous farmsteads damaged in area.

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<b>MINNESOTA (continued)</b>									
Medford Vicinity Steele County	4	11:10PM	1	700	0	0	4	0	Wind
Winds of greater than 60 mph leveled barn killing 10 head of cattle. Considerable lightning but only one power pole reported hit.									
Racine Vicinity Mower County	4	11:40PM	2	500	0	0	5	0	Wind
Winds of greater than 50 mph destroyed two barns, one milking parlor, and damaged house. Several cows had to be destroyed.									
Rochester Olmsted County	7	4:30PM	2	*1	0	0	3	0	Wind
65 mph winds hit Rochester Airport. Minor power outages reported to utility department.									
SS Calumet Itaska County	7	9:28PM	1/2	20	0	0	4	0	TORNADO
Tornado touched down briefly on Albert Heikkila farm destroying barn and shed.									
Grove City Vicinity Meeker County	15	4:45PM	-	-	0	0	4	0	Lightning
Barn and contents destroyed by fire due to lightning strike. Electrical and telephone service to entire farm knocked out.									
Green Lake Kandiyohi County	15	7:20PM	-	-	0	0	4	0	Lightning
Numerous lightning strikes destroyed lake cottage. Police radio knocked off the air. Pump damaged and pump house gutted.									
Pipestone Vicinity Pipestone County	15	10:00PM	20	10	0	0	3	4	Hail
Hail covered 60-75% of ground to depth of one inch. Average stone one inch in diameter. Some wind and local flooding also caused damage to crops. Rainfall ranged from three to six inches.									
Worthington Vicinity Nobles County	15	11:20PM	7	2000	0	0	5	4	Wind
Winds in excess of 70 mph caused considerable damage to barns, machine sheds, grain bins, and homes. Corn laying at 45 degree angle. Trees uprooted.									
Clinton Vicinity Big Stone County	15	11:45PM	1 1/2	3000	0	0	0	4	Wind & Hail
Hail and winds up to 80 mph hit 100 acres destroying soy beans and damaging small grains.									
2S Gilman Benton County	17	3:15PM	3/4	33	0	0	5	2	TORNADO
Brief tornado touchdown demolished machine shed and grain bin, uprooted trees and twisted house off foundation. Knee-high corn twisted off at ground.									
8S Buffalo Lake Sibley County	22	8:45PM	-	-	0	0	4	0	Wind
Wind greater than 60 mph toppled 7-ton grain storage bin and knocked down power lines.									
SE Detroit Lakes Becker County	27	8:00PM	1/4	20	0	0	0	0	TORNADO
Brief tornado touchdown in open country. Tornado returned to cloud immediately.									
Stordon Cottonwood County	27	9:00PM	-	-	0	0	5	0	Wind
Winds estimated at up to 80 mph demolished grain bin and damaged grain dryer and overhead door. Numerous fallen trees and broken branches.									
Itasca County	27	9:45PM	30	*15	0	0	5	4	Hail
Multiple storms raked an area 30-miles long and 15-miles wide in central Itaska County. Hail one-half inch to one inch piled up two to three inches deep in some areas. Strong winds damaged timber, etc.									
Federal Dam Area Cass County	27	9:52PM	-	-	0	0	0	0	TORNADO
Brief touchdown with no damage. Movement toward the northeast.									
<b>MINNESOTA (continued)</b>									
Northern Cass County	27	10:10PM	5	*1	0	3	5	4	Hail
Strong winds and hail the size of golfballs and baseballs caused considerable damage to buildings, roofs, windows, and power lines. Some hailstones looked to be large stone frozen together, covered ground up to two to three inches deep. Two trailer homes overturned with three injured.									
Moorhead Area Clay County	28	2:30PM 7:00PM	6 3	1325 1800	0	0	5	5	TORNADOES HAIL & HEAVY RAIN
A large cone-shaped Tornado moving slowly north-northeast between Moorhead and Dilworth about 2:30 PM devastated an area nearly 10 km (6.2 miles) long and 1200 m (1325 yards) wide. Rainfall amounts of 50-100 mm (2 to 4 1/2 inches) occurred previously so no large amounts of debris was observed at the base of the Tornado. The cone shape remained sharp throughout. The surrounding overhead cloud was filled with a constant intense, echoing, and thunderous roar. There was also in-cloud and cloud-to-ground lightning, with almost constant streak lightning surrounding the Tornado funnel itself. Golf-ball size hail was reported. A secondary funnel tried to form on its right side. Had this powerful tornado struck a densely populated area, there would have been a great many tornado-related deaths and the destruction would have been devastating.									
A second Tornado near Glyndon at 7:00 PM cut a path of destruction nearly three miles long and one-half mile wide, severely damaging four farms. Power lines were downed and there was considerable timber loss.									
Murray County	28	9:00PM	10	*21/2	0	0	4	6	Wind
20 to 30 sections ravaged by winds of 80 mph driving 1/2 inch hail. Estimates of 50 to 100% crop damage. Continuous lightning accompanied this storm.									
Western Becker & Eastern Clay Counties	29	6:30PM	15	*3	0	0	0	5	Hail
Golfball-size hail covered the ground two inches deep some areas causing losses of 100% to barley, 80% to beans, and 40% to oats. Corn may recover with only small losses.									
<b>JUNE FUNNELS</b>									
Claremont Dodge County	4	8:00PM							Funnel Cloud
Near Montgomery Rice County	4	10:40PM							Funnel Cloud
10NW Osage Becker County	27	9:04PM							Funnel Cloud
Over Leech Lake Cass County	27	9:15PM							Funnel Cloud
4N Stewart McLeod County	30	2:00PM							Funnel Cloud
SS Cosmos Meeker County	30	2:15PM							Funnel Cloud
<b>VIRGINIA</b>									
Franklin County	1	1:00 p- 2:00 p			0	0	4	3	Hail, Wind
Hail up to two inches in diameter devastated corn and tobacco fields in Smith Mountain Park, Patti, Sontag and Snow Creek communities in southeast portion of County. Huge oak tree blown down caused estimated \$4,000 damage to shed and farm machinery stored inside near Sontag. Fallen trees also damaged power lines and blocked some roads in the area.									
Portsmouth-Norfolk- Virginia Beach	6	3:25 p- 3:40	1/4	35	0	0	4	0	Tornado
Tornado apparently moved from west northwest to east southeast and touched down two or three times. It was likely the cause of some of the damage listed in the preceding storm account. However, due to the strength of straight-line winds within the storm itself, it would be impossible to distinguish with any degree of accuracy what was caused by the tornado, to any detail.									
Norfolk area	6	3:30			0	0	0	0	Funnel Clouds
At least two funnel clouds aloft were observed during the destructive storm that moved through the Tidewater area. It is likely that some of these sightings were related to the tornado listed above.									
Virginia Beach	6	3:45 p			0	1	0	0	Lightning
A 14-year old girl struck by lightning and seriously injured as she was walking in the garden of her home. No trees were nearby. She was released from hospital after five weeks, which included a period of intensive care. Doctors attributed the saving of her life to the prompt first aid administered by her father.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1977

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>VIRGINIA (continued)</b>									
Southern Half	6	Afternoon			13	7	6	4	Wind, Hail, Rain
	Severe thunderstorms associated with strong cold front cut a swath of destruction across much of southern Virginia, culminating in a disastrous boating accident off Norfolk. In the far southwest part of the State upwards of a half million dollars damage was estimated in the Hurley area of Buchanan County alone, as hail larger than golfballs wreaked havoc on vehicles, wind devastated houses and mobile homes leaving four families homeless, and tree fall caused widespread power outages. In addition, a significant amount of crop damage was caused by hail. Storm's fury particularly concentrated on the Tidewater area where winds gusted in excess of 80 mph, with one report of 100 mph from a tour boat in the vicinity of Norfolk. As mentioned above, a 42-foot fishing boat near the Chesapeake Bay Bridge-Tunnel capsized as a squall line moved in on it around 3:25 PM. Of the 27 persons on board, 13 drowned and 2 of the 14 survivors were hospitalized. Major damage in the Norfolk area: A north-facing wall of a library blown out; About 30 feet of steel roof of new recreational center blown off; Several homes under construction blown off foundations; Two large roofs of home completely removed; An estimated \$300,000 damage sustained by the Navy Operation Base. Other injuries: An 8-year old boy seriously burned after power line fell on him in Portsmouth; Two Portsmouth men injured when large tree fell on auto in which they were riding; two custodians in two separate schools injured by flying debris in the Norfolk area. In addition, numerous people fortunate to escape with only minor cuts and bruises. Damage estimate: In the Norfolk area alone likely to reach near a million dollars, with another half million to a million over the rest of the state.								
Suffolk	9	6:20 a			0	0	2	0	Wind
	Large tree toppled onto power lines as winds in the vicinity gusted to 57 mph.								
New Point Comfort (nr)	9	4:10 p			0	0	0	0	Waterspout
	First reported by personnel on NOAA Ship Endeavor and then sighted a few minutes later by Air Force pilot.								
Northern	20	Evening			0	0	3	0	Wind, Hail
	Winds gusted to 50 mph, knocking down around 50 trees in the area. One of these was a 231-year old Bicentennial Virginia Pine that grew in Alexandria. Hail around one and three quarters inch diameter reported in vicinity of Ft. Belvoir.								
Hurt/Motley area, Pittsylvania County	25	1:30 p	3	40	0	0	4	0	Tornado
	Tornado, moving west southwest to east northeast, first touched down in a tobacco field about 1/4 mile from a trailer court at Motley where it destroyed a mobile home, a utility building, an automobile and a motor boat. Also in the Motley area it lifted a pickup truck 12-15 feet into the air, turned it around and dropped it front end first into the ground. It then bounced along uprooting large trees in a narrow path toward a farm about 1 1/2 miles away, where it downed about 10 large trees, ripped away half of a large machinery building, moved the top of a barn and carried away a metal shed. Parts of the building were scattered as far as 1/2 mile away. Many witnesses were able to give a graphic account of the tornado as it moved along, which may have been the cause of damage in nearby Halifax County near Brookneal. Tornado damage was estimated at \$40,000.								
South-central	25	Afternoon			0	0	4	0	Wind
	Strong thunderstorm winds brought mostly minor damage to scattered areas. Many trees were uprooted. (At least one tornado was confirmed within this storm activity, in the Hurt/Motley area, as noted in the preceding account.)								
Hampden-Sidney, Prince Edward County	26	6:10 p			0	0	3	0	Wind
	Very strong thunderstorm winds knocked a large oak tree down, the largest oak on the campus, along with a number of smaller trees. A parked car was damaged by a falling tree. No damage was reported sustained by any college buildings.								
Bedford County	28	Late Afternoon			0	0	5	0	Wind
	Severe thunderstorm winds responsible for scattered damage along with power outages. A Bedford church under construction collapsed, with damage expected to total around \$80,000.								
Eastern Shore	28	Evening			0	0	4	0	Wind
	Locally strong winds in thunderstorm brought scattered reports of mostly minor damage over the area.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
<b>THE FOLLOWING ARE LATE REPORTS, CORRECTIONS, AND DELETIONS:</b>																			
<b>LATE REPORTS NEBRASKA</b>										<b>LATE REPORTS NEBRASKA (continued)</b>									
MAY 1977										MAY 1977									
Phelps County	2	105 PM	1/2	30	0	0	4	0	Tornado	Kimball County	14	515 PM	1/2	20	0	0	2	0	Tornado
Tornado touched down briefly 5 miles SW of Holdrege. Destroyed a double garage, grain bin and irrigation pipe.										Wind-tornado about 12 miles southeast of Kimball removed a shed roof and broke several windows in a house.									
Jefferson County	3	1105 PM - 105 AM			0	0	3	0	Hail and damaging wind	Custer County	14	1015 PM			0	0	0	0	Funnel
Wind gusts up to 70 mph reported by Fairbury Police and some hail to one inch diameter caused minor tree and power line damage.										Funnel cloud sighted 6 miles west of Broken Bow.									
Dawes County	4	0015 AM & 1130 AM			0	0	4	0	Damaging wind	Platte County	16	615 PM			0	0	0	0	Funnel
Gusty winds to around 55 mph overturned a semi-tractor truck and a mobile home towed by a truck.										Funnel cloud sighted just east of Columbus.									
Madison County	4	210 PM			0	0	0	0	Funnel	Webster County	16	635 PM			0	0	0	0	Tornado
Funnel cloud sighted southwest of Madison.										A tornado touched down briefly in the vicinity of Inavale. No damage.									
Stanton County	4	325 PM	1/2	20	0	0	0	0	Tornado	Adams, Hall and Hamilton Counties	16	650 - 715 PM	50	50	0	0	4	3	Tornado
Tornado touched down briefly 2 miles south of Stanton in open country.										A tornado touched down briefly in Roseland, Hastings and east and southeast of Grand Island causing damage to grain elevator, power lines, mobile home and trees.									
Colfax County	4	320 - 345 PM	7	200	0	0	5	2	Tornado	Dawson, Buffalo and Howard Counties	16	Evening			0	0	4	2	Damaging winds & funnel cloud
The tornado began about 7 miles south of Clarkson and moved northward to near Clarkson. Six farmsteads were destroyed with at least some damage to several others along the path. Considerable cattle lost, minor crop damage.										Thunderstorms produced strong winds and 1 1/2 inch hail. Resulting damage to trees, small buildings, motor movie drive-in and a grain bin around Lexington and Elm Creek area.									
Platte, Folk and Adams Counties	4	3-4 PM			0	0	3	2	Hail	Buffalo County	16	825 PM	1/2	30	0	0	0	0	Tornado
At Columbus and vicinity large hail caused minor damage to roofs, siding, autos and some crops. Similar conditions at Kearsaw.										Tornado touched down briefly in open country just west of Kearney.									
Butler County	4	355 PM			0	0	0	0	Funnels	York County	16	8 PM			0	0	0	0	Tornado
Funnel clouds were sighted near Linwood, David City and Abie.										2 miles north and 4 miles east of York, brief touchdowns. No damage.									
Saunders County	4	415 PM	1/2	20	0	0	3	2	Tornado	Antelope and Holt Counties	16	745 PM			0	0	4	0	Damaging winds
Damage confined to light poles, grain bins, and a tractor vicinity of Prague.										Some damage to trees in Orchard, Feligh and at O'Neil with garage overturned at the latter location.									
Douglas, Sarpy and Saunders Counties	4	5 - 530 PM			0	0	2	0	Funnels	Harlan County	16	1030 PM			0	0	5	4	Hail and damaging winds
Two funnels near Gretna and Springfield dipped to near ground level. Some 1 1/2 inch hail was reported in the area. Several funnels in the West Omaha area.										2 to 3 inch hail caused considerable damage in and around Republican City. Some cars damaged beyond repair, houses lost north windows and stained glass windows in a church were demolished. Also roof and tree damage. Crop damage excessive.									
Colfax County	4	725 PM			0	0	0	0	Hail	Hayes County	18	2 PM	1/2	30	0	0	0	0	Tornado
1 1/2 inch hail reported at Leigh.										Tornado touched down briefly near Hamlet.									
Sioux, Box Butte and Dawes Counties	6				0	0	3	3	Hail	Grant County	18	345 PM	1/2	30	0	0	4	0	Tornado
Severe crop and hay damage along with broken windows caused by 1 1/2 inch hail. In some areas hail accumulated to depths of more than 6 inches.										Mobile home damaged at Ashby.									
Thayer County	7	1230 - 1 PM			0	0	2	3	Hail	Lincoln County	18	345 PM			0	0	4	0	Damaging wind
Deshler and vicinity suffered considerable damage to crops, trees, gardens and windows due to large hail.										Strong straight winds destroyed a lumber yard building at Wallace. Some trees uprooted in the area.									
Washington County	8	7 - 730 AM			0	0	4	0	Lightning	Keith County	18	4 PM			0	0	0	0	Funnel Cloud
Two barns along with hay and fule were destroyed by fire caused by lightning strikes. Located to the south and west of Fort Calhoun.										Over Lake McConaughy									
Box Butte County	14	530 PM	1/2	20	0	0	3	0	Tornado	Arthur County	18	340 PM	1/2	50	0	0	5	0	Tornado
A metal cattle shed was destroyed along with minor house damage to a farm home 10 miles west of Alliance.										A tornado touched down briefly in Arthur. The courthouse and library were damaged, windows blown out and power lines toppled.									
										Keith County	18	4 PM			0	0	4	3	Funnel clouds, damaging winds and hail.
										Funnel clouds and thunderstorms with damaging winds in Ogallala and vicinity. Spotty 1 1/2 inch hail was reported. An auto-truck plaza, farm buildings and windows were damaged. Trees were uprooted.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	
<b>LATE REPORTS NEBRASKA (continued)</b>									
Lincoln County	18	4 PM	1/8	30	0	0	4	0	Tornado
									4 miles north and 3 miles west of Hershey - farm out buildings destroyed and damage to a grain bin.
Cherry	18	430 PM	Brief	50	0	0	5	3	Tornado
									Two tornadoes briefly touched down 70 and 50 miles southwest of Valentine. Harpers on several farms damaged and two places destroyed. Also one farm building and tree damage.
Hooker County	18	Afternoon			0	0	4	0	Damaging winds
									Strong gusty winds accompanied by a thunderstorm damaged a tool shed, hog building and an office building 1 mile east of Millan.
Garden County	18	Afternoon			0	0	3	4	Hail
									Strong winds and 3/4 inch hail caused extensive crop damage vicinity of Oshkosh. Property damage limited to minor roof damage.
Furnas County	18	715 PM	1/8	20	0	0	3	0	Tornado
									A tornado briefly touched down 3 miles southeast of Atapahoe and destroyed a couple of out buildings.
Dawson County	18	730 PM	1/8	20	0	0	4	0	Tornado
									A tornado briefly touched down 5 miles east of Lexington. Power lines toppled. Storm also caused strong winds north of Eddyville demolishing a shed and overturning a large trailer.
Buffalo County	18	830 PM	1/8	30	0	0	0	0	Tornado
									A tornado briefly touched down 7 miles northeast of Kearney. No known damage.
Antelope County	18	1025 PM	1/8	30	0	0	3	0	Tornado
									3 miles southeast of Orchard damage to power lines and an irrigation system. Tornado touchdown was brief.
Nickolls County	19	2 PM			0	0	0	0	Funnel cloud and hail.
									Funnel cloud sighted 5 miles south of Superior. Storm produced some 3/4 inch hail southwest of Superior.
Hall County	19	245 PM	2	50	0	0	3	0	Tornado
									Tornado touched down 4 miles west of Cairo and moved northeastward. Minor damage to a few farm buildings.
Hall County	19	315 PM	20	50	0	0	5	0	Tornado
									6 brief touchdowns occurred between Wood River and Grand Island. Steel buildings, a mobile home and out buildings destroyed with other minor damage.
Hall County	19	340 PM	1/8	30	0	0	0	0	Tornado
									Brief touchdown just west of Grand Island. No known damage.
Hall County	19	4 PM	1/8	30	0	0	0	0	Tornado
									A tornado briefly touched down about 5 miles west of Grand Island. Visible from airport tower.
Hall County	19	430 PM	1/8	50	0	0	4	0	Tornado
									A tornado briefly touched down in the vicinity of Doniphan with damage to farm buildings.
Adams	19	435 PM	1/8	20	0	0	0	0	Tornado
									Brief touchdown vicinity of Roseland
Boone	19	445 PM			0	0	3	0	Lightning
									Lightning caused a barn fire 3 miles northwest of Primrose. Used lumber and 2000 straw and hay bales were destroyed.
Hitchcock	20	145 PM	1/8	20	0	0	0	4	Tornado and Hail
									Tornado touched down briefly near Trenton. Considerable hail damage occurred to wheat crops between Trenton and Qibertson.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
<b>LATE REPORTS</b>										
<b>NEBRASKA (continued)</b>										
			MAY 1977							
Cherry Brown Garfield Rock	30	Early Evening			0	0	3	4	Hail	
		Numerous thunderstorms producing hail up to 3 inches along with heavy rain caused considerable crop losses.								
Holt	30	Early Evening			0	0	2	0	Lightning	
		Lightning caused a TV antenna to burn out and 1 cow was killed on a farm near O'Neill.								
<b>OKLAHOMA</b>										
			MAY 1977							
Near Keyes, Cimarron County	18	1:10 p.	17	50	0	0	2	0	Tornado	
		A small tornado touched down a few miles north of Keyes. Movement was toward the NNE. The tornado was apparently in contact with the ground about 20 percent of the time and reached the 3-corners area at approximately 1:25 p.m. CST. From there the tornado continued into Kansas. No significant damage was reported in Oklahoma.								
<b>CORRECTIONS</b>										
<b>FLORIDA</b>										
			MAY 1977							
Miami, Dade County	4	11:20 AM EST			0	0	3	0	Funnel Cloud/wind	
		A small funnel cloud at roof-top level tore the roof off of a house just east of Miami International Airport at 33rd Ave. and 36th St. Several trees were uprooted and some power lines and bill boards were blown down. No injuries were reported.								
Marion County	4	3:30 PM EST			0	1	3	0	Funnel Cloud/wind	
		A funnel cloud at roof-top level near Lake Kerr damaged the roofs of two houses. Several trees were blown down, and one minor injury was reported.								
<b>MICHIGAN</b>										
			APRIL 1977							
2.5 NNW Bath to 1.5 SW Taingsburg Clinton Co.	2	3:35p	EST	5	275	0	6	5	Tornado	
		Touched down in rural farming area and stayed in contact with the ground for 5 miles. Destroyed 1 home, 1 mobile home and 1 outbuilding. Damaged 9 homes, 1 mobile home and a gas station. The two injuries occurred to children in the destroyed home and were caused by flying glass.								
<b>NORTH DAKOTA</b>										
			MAY 1977							
North of Bottineau	3	11:20 pm	--	--	0	0	1	0	Windstorm	
		High winds blew an 8 x 5 foot aluminium storage shed over a trailer house.								
Price	27	6:30 am	--	--	0	0	?	0	Heavy Rain	
		Road culvert washed out by heavy rain.								

- o Includes crop damage.
- C Crop damage.
- \* Miles instead of yards.
- \*\* Yards instead of miles.
- † Storm damages are placed in categories varying from 1 to 9 as follows:
  - 1 Less than \$50
  - 2 \$50 to \$500
  - 3 \$500 to \$5,000
  - 4 \$5,000 to \$50,000
  - 5 \$50,000 to \$500,000
  - 6 \$500,000 to \$5 Million
  - 7 \$5 Million to \$50 Million
  - 8 \$50 Million to \$500 Million
  - 9 \$500 Million to \$ 5 Billion

Note: This publication contains our best information on storms but, due to the difficulties inherent in collection of the type of data, it is not all-inclusive. Late Reports and Corrections will be carried in the month following receipt of these data.

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