

JUNE 1979

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# STORM DATA



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**noaa**

NATIONAL OCEANIC AND  
ATMOSPHERIC ADMINISTRATION

ENVIRONMENTAL DATA AND  
INFORMATION SERVICE

NATIONAL CLIMATIC CENTER  
ASHEVILLE, N.C.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1979

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>ALABAMA</b>									
Baldwin County	30	6:55p	1/4	15	0	0	3	0	Tornado
Several persons observed small tornado touch down briefly near the Fish River and county highway 331 about 6 miles southeast of Fairhope. Numerous trees were uprooted in a southwest to southeast direction. Some minor damage was done to a large chicken house.									
<b>ALASKA</b>									
Kodiak Island Waters	12				2	0	5	0	Strong winds and rough seas
Fresh northwesterly winds had persisted for several days over the Kodiak Island waters by the 11th of June. Just before noon on June 11, a northwesterly frontal passage increased the northwest winds over the Kodiak Island waters to gale force. These gale force winds continued through most of June 12. Two fishing boats were capsized in the strong winds and rough seas generated by this storm. The 32-foot fishing vessel "Spirit" went over 6 miles north of the Barren Islands (65 miles NNE of Kodiak) on the morning of June 12. All 3 hands were saved. The 46-foot fishing vessel "Restless C" went over on Halo Bay, 50 miles northwest of Kodiak, at about the same time. Two of the crew members of the "Restless C" were lost; the other two were rescued.									
<b>ARIZONA</b>									
NONE REPORTED									
<b>ARKANSAS</b>									
Near Damascus - Southern Van Buren County	2	Early Morning			0	0	4	0	Heavy Rains/Flash Flooding
Heavy rains caused flash flooding on creeks near a Boy Scout camp. A Boy Scout troop's camping equipment and clothes were swept away along with a four-wheel drive vehicle. Some of the boys were also swept away by the water but all managed to survive and were uninjured.									
Drew and Monroe Counties	2	Late Morning to Early Afternoon			0	0	7	0	Heavy Rains/Flooding
Heavy rains of up to four inches caused flooding in both counties. The hardest hit areas were Brinkley and Clarendon in Monroe County, and Monticello in Drew County. Several streets were flooded and water got into several homes in the three cities.									
Mammoth Spring - Fulton County	20	2:30 p.			0	0	0	0	Hail
Thunderstorms produced golf-ball sized hail, but no damage was reported.									
Mountain Home to Lake Norfolk - Baxter County	20	10:10 p. to 10:23 p.			0	0	4	0	Funnel Cloud/High Wind
A funnel cloud moving southeastward was sighted over Mountain Home and again over Lake Norfolk by storm spotters and law enforcement officers. High winds accompanying storm downed trees and power lines in the southern part of Mountain Home and also damaged three boat docks on the lake. Damage was estimated at over 20 thousand dollars.									
Near Greens Ferry - Cleburne County	21	12:20 a.							Funnel Cloud
A funnel cloud moving southeastward was sighted by a state game warden.									
Crabtree to Formosa - Van Buren County	28	6:45 p. to 7	10.5	50	0	0	5	0	Tornado
A tornado moving southeastward touched down several times and damaged several homes, barns, and chicken houses. Almost 19 thousand chickens were also lost. Damage was estimated at over 61 thousand dollars.									
Near Greenbrier - Northern Faulkner County	28	7:40 p.			0	0	?	0	High Winds
Thunderstorms produced high winds which downed some trees and power lines.									

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					KILLED	INJURED	PROPERTY	CROPS	
<b>ARKANSAS (continued)</b>									
Sherwood - Pulaski County	28	8:45 p.	3/4	75	0	0	6	0	Tornado
A tornado moving southeastward touched down and destroyed a church and several mobile homes. Several other homes, outbuildings, and outds were damaged. Most of the damage occurred in the Indianhead Lakes subdivision. Damage was estimated at over 500 thousand dollars.									
Near Doddridge - Miller County	29	5:00 a.			0	0	0	0	Hail
Thunderstorms produced hail up to one inch in diameter. No damage was reported.									
<b>CALIFORNIA</b>									
NORTHERN & CENTRAL NONE REPORTED									
SOUTHERN									
Aceno County	17th								
Winds estimated between 75 to 100 mph blew a semi-truck upside down near Polbline Road north of Lee Vining. The driver was unhurt, but his wife was treated for minor injuries. Highway U.S. 395 from Lee Vining to Brodegeport was closed for more than 1 hour due to these strong winds.									
<b>COLORADO</b>									
Wiggins	6	2008	1/4	25	0	0	0	0	Tornado
A tornado touched down briefly 6 miles south of Wiggins.									
Fort Morgan	6	2022	1/2	50	0	0	2	0	Tornado
After several funnel clouds were sighted in the area, a tornado touched down 6 miles south of Fort Morgan, knocking down some trees and power lines.									
Statewide	7-9				0	0	5	0	Rain, snow, floods
A late spring storm drenched the entire state with rain below about 7000 feet elevation and brought heavy snow above that level. A few roads were washed out and street flooding was widespread, especially in the Denver area. Several streams, including the South Platte River, flooded for tying areas. Concrete checks on irrigation ditches in Logan County suffered \$47,000 in damage. Rainfall amounts were heaviest along the northern Front Range, mostly between 2 and 4 inches for the storm. Snowfall ranged from 4 to 8 inches at most higher elevation stations, but Berthoud Pass and Squaw Mountain were buried with 16 inches.									
Flagler	15	1730			0	0	?	?	Hail
Golfball size hail fell 3 miles west of Flagler.									
Cheyenne Wells area	16	1950	4	200	0	0	6	7	Tornado
A tornado moved from west to east through farmland north of Cheyenne Wells, coming within 1/2 miles of the town. A bridge was damaged; barns, homes, tractors, and sprinklers were badly damaged. In all, 16 farms suffered extensive damage. A herd of was killed, but no livestock. Total damage to property was estimated at \$1.5 million. Crop damage amounted to \$7 million; some of this was probably caused by golfball sized hail that accompanied the twister.									
Loveland area	17	2030			0	0	6	5	Hail
Hail up to baseball size pelted a large area from 5 miles north of Loveland to the town of Berthoud, south of Loveland. The hail damaged many mobile homes, house roofs, and cars. Many windows were broken. Crops in the area were damaged extensively.									
Northwest Weld County	18	Late aftn			0	0	0	3	Hail
Golf ball size hail fell in scattered areas from Abt northeast to Grover, dabaging a few crops.									
Northeastern foothills	19	Aftn			0	0	0	0	High winds
Winds gusted to 87 mph at Wondervu, and up to 70 mph 13 miles west of Fort Collins.									
Woodland Park	19	Aftn			0	0	0	0	Hail
Hail one inch in diameter was reported in Woodland Park.									
Morgan County	22	1900-2100			0	4	5	5	Hail
Giant hail fell in many sections of Morgan County. Softball size hail 4 1/2 inches in diameter was reported north of Fort Morgan, breaking many windows. Near Brush, baseball size hail destroyed a mobile home and a police car. Many other cars and buildings were damaged. 4 people were injured by the icy onslaught, suffering fairly minor cuts and bruises. Crops in the area were leveled, particularly corn. North of Fort Morgan, the hail piled up 6 to 8 inches deep and had to be removed by snowplows.									
Sheridan Lake	22	2255	1/4	25	0	0	0	0	Tornado
A tornado touched down briefly near Sheridan Lake. Funnel clouds were also sighted in the area.									
Southern Logan, Northern Washington Counties	23	Mid Mrgn			0	0	0	?	Hail
Golfball size hail was reported in several areas from Merino south to Akron.									

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JUNE 1979

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					KILLED	INJURED	PROPERTY	CROPS	
<b>COLORADO (continued)</b>									
Boulder	23	1500			0	0	0	0	Funnel cloud
	A funnel cloud was reported 10 miles northeast of Boulder.								
Northwest El Paso County	23	1600			0	0	4	0	Hail
	Golfball size hail fell in Colorado Springs and Monument, causing damage to some buildings.								
Crowley and Otero Counties	23	Night			0	0	3	5	Hail, High Wind
	A hail storm 7 miles southwest of Rocky Ford destroyed 3000 acres of vine crops. The storm stampeded cattle, damaging fences. Near Olney Springs corn was shredded by hail and high wind.								
Western El Paso County	24	1323-1344	4	50	0	1	5	0	Tornado
	A tornado formed near the east side of Pikes Peak and touched down in the Manitou Springs city park. The tornado skipped through Manitou Springs and eastward into Colorado Springs, lifting and retouching the ground at least once. Several homes were severely damaged. A person inside one of them suffered minor injuries. A convenience store and a gas station were demolished. The initial damage estimate was \$300,000.								
Pueblo County	24	Mid aftn			0	0	3	4	Hail, heavy rain
	Tennis ball size hail fell near Boone, wiping out fields of nearly ripe wheat. The hail dented automobiles and knocked holes in fiberglass building panels. In Pueblo 2.24 inches of rain fell in less than two hours, causing local flooding. Two feet of water flooded a trailer park.								
Northeastern counties	24	Aftn, early eve			0	0	2	4	Hail
	Large hail fell in several towns in the northeastern corner of the state, including Haxton and Fleming, where several hundred acres of crops were damaged. 11 miles south of Yuma, golfball size hail stripped trees and broke some windows.								
Fleming	27	2030	2	50	0	0	0	0	Tornado
	A tornado formed west of Fleming and headed east. It lifted into the clouds before reaching the town.								
Northern Yuma County	27	2120	3	50	0	0	0	0	Tornado
	A tornado touched down in extreme northern Yuma county. It moved through open country, causing no damage.								
Logan County	27	2140	2	75	0	0	0	0	Tornado
	A tornado touched down 5 miles north of Iliff. It caused no damage, but a farmer had to outrun it in his pickup truck.								
Washington County	28	1610	1/4	25	0	0	0	0	Tornado
	A tornado touched down in open country 15 miles northwest of Akron.								
Cheyenne county	28	1845	1	50	0	0	2	0	Tornado
	A tornado was reported 11 miles north of Wild Horse and picked up a storage tank on a farm. It also damaged some power lines.								
Prowers county	28	2025	1/2	25	0	0	0	7	Tornado
	A tornado was sighted just northwest of Granada. 60 to 80 mph winds were also reported in the Granada-Lamar area with the same thunderstorm.								
Baca County	28	2125	1/2	25	0	0	0	0	Tornado
	A tornado touched down briefly in extreme northeast Baca county.								
<b>CONNECTICUT</b>									
NONE REPORTED									
<b>DELAWARE</b>									
Warwick, Sussex County	22	6:30 p			0	0	3	3	Hail
	Hail, up to an inch and a half diameter caused minor damage to automobiles and crops.								
<b>FLORIDA</b>									
Sarasota County	1	4:50PM EDT			0	0	0	0	Funnel cloud
	A funnel cloud was reported over Sarasota. It dissipated without touching the ground.								
Polk County	1	6:40PM EDT			0	0	0	0	Funnel cloud, hail
	A severe thunderstorm spawned a brief funnel cloud and hail up to one inch in diameter, a little south of Lakeland.								
Broward County	2	7:40AM EDT			0	0	0	0	Waterspout
	A waterspout was reported 30 miles east of Hollywood.								
Monroe County	5	8:14AM EDT			0	0	0	0	Funnel cloud
	A funnel cloud was sighted 6 miles southeast of Key West International Airport.								
<b>FLORIDA (continued)</b>									
Dade County	7	7:15AM EDT			0	0	0	0	Waterspout
	A waterspout was observed for a brief period 7 miles east of Miami Beach.								
Monroe County	7	12:50PM EDT			0	0	0	0	Funnel cloud
	Several waterspouts developed over the Gulfstream 3 to 5 miles east of Palm Beach. They moved slowly westward but dissipated before reaching land.								
Monroe County	8	12:40PM EDT			0	0	0	0	Funnel cloud
	A funnel cloud was observed 5 miles northwest of Key West. It moved west and dissipated.								
Pinellas County	8	5:08PM EDT			0	0	0	0	Waterspouts
	Two waterspouts were reported off Clearwater Beach.								
Palm Beach County	9	2:05PM EDT			0	0	0	0	Waterspouts
	A funnel cloud was observed 7 miles southwest of Key West moving westward at 10 MPH.								
Lafayette County	11	8:15PM EDT			0	0	0	0	Funnel cloud
	The Florida Highway Patrol reported a funnel cloud 8 miles northwest of Mayo. The funnel cloud moved slowly southeastward and dissipated without touching down.								
Dade County	16	10:52AM EDT							Funnel Cloud
	A funnel cloud developed off shore from Key Biscayne. It dissipated shortly after formation.								
Monroe County	16	10:52AM EDT							Waterspouts
	Four waterspouts developed 5 to 10 miles north and northeast of Key West International Airport. They drifted to the northeast and dissipated.								
Suwannee County	20	2:35PM EDT	?	?	0	0	?	?	Tornado
	Civil Defense officials reported a tornado touchdown 15 miles southwest of Live Oak. Minor wind damage was reported in the Wellborn community as a severe afternoon thunderstorm moved through the area.								
Alachua County	21	9:08PM EDT	1/10	30	0	0	4	0	Tornado
	A small tornado damaged a home and several buildings on a farm 6 miles south of High Springs.								
Dade County	22	11:25AM EDT			0	0	0	0	Waterspout
	A waterspout was reported off the south end of Miami Beach. It dissipated offshore.								
Santa Rosa	24	9:40AM CDT			0	0	0	0	Waterspouts
	Several waterspouts were spotted near Gulf Breeze and along the coast of Santa Rosa County. One of the waterspouts reached land before dissipating but no damage occurred.								
Manatee County	24	4:55PM EDT			0	0	0	0	Funnel cloud
	A funnel cloud was observed northeast of Parrish, moving slowly southwestward. No damage was reported.								
Dade County	26	10:45AM EDT			0	0	0	0	Waterspout
	A waterspout developed 6 miles off Miami Beach. It dissipated offshore.								
Palm Beach County	27	1:08PM EDT			0	0	0	0	Waterspout
	A waterspout was sighted over southern Lake Okechobee near Belle Glade.								
Pinellas County	27	8:30PM EDT			0	0	0	0	Waterspouts
	Three waterspouts were reported 4 to 5 miles offshore from Dunedin Beach, moving slowly southward.								
Palm Beach County	28	1:20PM EDT			0	0	0	0	Funnel cloud
	A funnel cloud was sighted 15 mi west of Palm Beach International Airport.								
Monroe County	28	Afternoon			0	0	3	0	Waterspout
	A waterspout moved onshore at Key Haven near Key West. It caused minor damage at the Florida Keys Community College.								
Dade County	30	9:45AM EDT			0	0	0	0	Waterspouts
	The Coast Guard reported a waterspout east of Elliot Key and another east of Cape Florida.								

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					KILLED	INJURED	PROPERTY	CROPS	
<b>FLORIDA (continued)</b>									
Jackson County	30	8:00PM CDT			0	0	0	0	Hail
		Golf ball sized hail was reported in Cottondale as heavy afternoon and evening thunderstorms developed over much of the Florida Panhandle.							
<b>GEORGIA</b>									
Bibb County	20	2 p			1	0	0	0	Lightning
		A 65 year old man was struck by lightning and killed. He was fishing along the Oculusee River near Macon at the time.							
Baker County	20	4 p			0	0	4	0	Wind
		Strong thunderstorm winds caused heavy damage to two brick homes.							
Cook County	23	730 p			0	0	4	0	Wind
		A mobile home was destroyed when strong thunderstorm winds blew a tree onto the home near Sparks.							
Habersham County	29	5 p			0	0	6	0	Lightning
		Lightning struck a church in Clarksville, causing about \$750,000 damage. A fireman was killed fighting the fire.							
<b>HAWAII</b>									
					NO REPORT RECEIVED				
<b>IDAHO</b>									
Idaho Falls, Bonneville County	6	4:52 p			0	0	4	0	Wind
		Winds up to 60 m.p.h. were recorded at the Idaho Falls Airport. Scattered damage was reported throughout the surrounding area to utility lines, sheds, roofs, and trees.							
Malad, Oneida County	13	Afternoon			0	0	4	0	Wind
		Winds up to 50 m.p.h. at Malad Airport toppled a hangar and damaged an airplane. Several sheds were reported destroyed and trees uprooted in the area.							
Hampa, Canyon County	26	Evening			0	0	4	0	Wind
		Strong winds caused extensive damage mainly to the roof of a school building. Other damage to buildings and trees in the area was minor.							
<b>ILLINOIS</b>									
Near Atkinson, Henry County	9	About 2:45pm	3.0	30	0	0	4	0	Tornado
		A small tornado hit several farms about 5 miles south of Atkinson. At one farm, destroyed were 7 portable hog shelters, a windmill and a new grain bin. At another farm next door, a large barn was heavily damaged, hog houses were scattered about and a large tree was blown over, narrowly missing the farm house. In the same area, a large barn on another farm was damaged. At still another farm, part of the roof of a cattle barn was torn away. The movement of the tornado was erratic, but generally southwest to northeast.							
Jerseyville, Jersey County	20	3:20am			0	0	?	?	Hailstorm
		Hailstones as large as golf balls were observed. The hail and gusty winds broke windows, battered cars and toppled trees. Most of the damage was confined to the city of Jerseyville, and was caused by the hail.							
Southeastern Half of Illinois	20	Afternoon			0	0	?	?	Hailstorm
		Large hail fell at scattered points over a wide area of Illinois. Hailstones at least 3/4 inch in diameter fell at Fairfield, Wayne County, at 2:15pm; at Brookport, Massac County, at 2:30pm; at Lake Villa, Lake County, at 3:11pm; southwest of Manteno, Hankook County, at 3:35pm; at Reotone, Will County, at 3:55pm; and in Vermilion County between East Lynn and Hopston at about 3:55pm. The amount of property and crop damage was undetermined.							
Martinsville, Clark County	20	About 5pm			0	0	5	0	Windstorm
		Straight-line winds accompanying a bombburst during a thunderstorm hit the Clark County fairgrounds. The grandstand had part of its roof ripped off and some seats were destroyed. Also, 4 horse barns were blown down. The path of destruction was 1/4 mile long and 75 yards wide.							
Morgan County	22	2:15pm-2:45pm			0	0	4	?	Windstorm
		Winds as high as 52 knots blew down tree limbs, shorted out electrical wires and smashed windows during an afternoon thunderstorm.							
<b>ILLINOIS (continued)</b>									
Five Miles North-west of Paris, Edgar County	22	2:27pm	0.5	50	0	0	0	?	Tornado
		A small tornado touched down briefly in a rural area of Edgar County. No property damage was reported, and crop damage was minor.							
Northwestern Will County	29	About Noon	5.2	100	0	1	4	?	Tornado
		A tornado touched down west of Joliet on Caton Farm Road in Will County. Near where the tornado first was observed, a semi trailer and truck was toppled by the wind, injuring the driver. Leaves and debris trailed a quarter of a mile ahead of the storm, with part of the debris being deposited on the roof of a fire station just south of Caton Farm Road. A fireman at that location observed heavy rain and pieces of damaged buildings in a circular rotating pattern aloft. The storm travelled northeast and then north, passing through a farm near the intersection of Interstate 55 and Route 30 and then a subdivision near Plainfield. At the farm, half of the roof of the farm house was torn off and 3 outbuildings and a metal storage building were destroyed. Dozens of people observed this tornado.							
Champaign, Champaign County	29	1:37pm			0	0	0	0	Windstorm
		Wind gusts as high as 50 knots hit Champaign during an afternoon thunderstorm. No significant damage was reported.							
Northern Ford County	29	2:15pm			0	0	0	?	Hailstorm
		Large hail, with some stones reported as large as 1 3/4 inches in diameter, slashed portions of Ford County. A 1/4 to 1/2 mile swath of damage cut through corn and soy-bean fields on the northern edge of Piper City.							
<b>INDIANA</b>									
Parke County	7	1:15 PM			0	0	1	0	High winds
		House and garage damaged in Marshall.							
Benton County	7	4:00 PM			0	0	0	0	Funnel cloud
		Benton County sheriff watched funnel cloud as it moved northeast.							
Crawford County	8-9	Afternoon/Morning			0	0	0	5	C
		Business districts and homes of English and Marengo + roads flooded.							
Dubois, Gibson, and Price Counties	8-9	Afternoon/Morning			0	0	0	0	Heavy rains
		Some roads closed							
Parke County	8	4:25 PM			0	0	0	0	Funnel cloud
		Clinton Police watched funnel cloud as it moved east.							
Vigo County	8	4:50 PM			0	0	3	0	High winds
		Tree limbs down in Terre Haute							
Madison County	17	5:00 PM			0	0	0	4	C
		Pendleton Police reported 3/4" hail							
Marion County	17	5:22 PM			0	0	0	3	C
		Indianapolis Police reported 3/4" hail							
Montgomery County	20	8:40 AM			0	0	0	0	High winds
		Trees blown down near Waynestown.							
Carroll County	20	8:50 AM			0	0	0	4	C
		Large trees and power lines down near Lafayette.							
Carroll County	20	9:00 AM			0	0	4	0	High winds
		Car and mobile home crushed by trees at Delphi.							
Kosciusko County	20	10:00 AM			0	0	3	0	High winds
		Mobile home blown off foundation and trees down at Warsaw.							
Montgomery County	20	10:30 AM			0	0	4	0	High winds
		Destroyed mobile home at I-74 and SR 55.							
Tippecanoe County	20	11:54 AM			0	0	0	4	Hail
		1 1/4" to 1 3/4" hail northeast of Lafayette.							

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
INDIANA (continued)										INDIANA (continued)									
Carroll County	20	12:00 PM			0	0	0	0	High winds, hail	Owen County	20	PM			0	0	3	0	
		Carroll High School SR 18 golfball size hail and part of gym roof was blown off.	2 miles east of Flora																Spencer reported trees down - one on a car.
Cass County	20	12:55 PM			0	0	0	2	Hail	Franklin County	21	4:10 PM			0	0	0	3	Hail, high winds
		One inch hail in Cass County.																	Golf-ball size hail and tree blown down just north of Brookville.
Putnam County	20	1:14 PM	0	0	0	0	0	0	Tornado	Vermillion County	22	4:20 PM			0	0	0	0	High winds
		Tornado touched down in field near Reelsville. Lifted and moved northeast.																	Tree blown down north of Clinton
Johnson County	20	3:30 PM			0	0	2	0	Lightning	Parke County	29	1:30 PM			0	0	0	0	Hail
		Lightning struck Johnson County courthouse.																	Golfball size hail 4 miles north of Cecil Harding Reservoir.
Morgan County	20	4:00 PM			0	0	0	3	Hail	Porter County	29	1:50 PM			0	0	0	0	Hail
		Ping-pong ball size hail at Wilbur.																	Golfball size hail at Porter County Airport at Valparaiso.
Johnson County	20	4:30 PM			0	0	0	3	Hail	Parke County	29	2:15 PM			0	0	0	0	Hail
		Golfball size hail at Bargersville																	Golfball size hail 4 miles north of Cecil Harding Reservoir.
Shelby County	20	5:00 PM			0	0	0	0	High winds	Putnam County	29	2:45 PM			0	0	0	0	Funnel cloud
		Trees blown down at Fairland.																	Public reported a funnel cloud near Greencastle.
Johnson County	20	5:10 PM			0	0	4	0	High winds	Putnam County	29	3:00 PM			0	0	0	0	Funnel cloud
		Tree blown on a house in New Whiteland.																	Funnel cloud 3 miles west and 1 mile north of Fillmore moving east.
Benton County	20	7:00 PM			0	0	0	4	Hail	Putnam County	29	3:00 PM			0	0	3	0	High winds
		One inch hail Southern Benton County.																	State Farm at Putnamville damaged. Numerous trees down.
Allen County	20	PM			0	0	5	0	High winds	Marion County	29	3:50 PM			0	0	4	0	High winds
		New Haven reported six homes damaged, one destroyed, a barn blown down, and a tree blown on a car.																	Trees down at I-65 and Lafayette Road.
Grant County	20	PM			0	0	4	0	Lightning	Elkhart County	29	4:15 PM			0	1	5	0	High winds
		Lightning caused a house fire.																	Trees down and trailer damaged at Riviera Manor Mobile Home Park IND 120. A tree fell on a cyclist near Elkhart on CR 136. Near Bristol a business roof was blown off and a mobile home moved off its foundations.
Warren County	20	PM			0	0	0	4	Hail	Marion County	29	4:20 PM			0	0	0	0	Hail
		Sheriff reported hail twice the size of golfballs.																	3/4" hail at West 46th Street and I-465 in Indianapolis.
Wells County	20	PM			0	0	3	0	High winds	Morgan County	29	4:30 PM			0	0	0	3	Hail
		Bluffton reported trees down. One fell on a car.																	Golfball size hail at Monrovia.
Fulton County	20	PM			0	0	3	0	High winds	Morgan County	29	4:51 PM			0	0	0	3	Hail
		Trees blown down. A silo was damaged.																	Golfball size hail at Mooresville.
Fulton County	20	PM			0	0	4	0	Lightning	Morgan County	29	4:54 PM			0	0	0	3	Hail
		A house fire was caused by lightning at CR 60 north.																	Golfball size hail at Waverly.
Dekalb County	20	PM			0	0	0	5	Hail, high winds	Johnson County	29	5:01 PM			0	0	0	3	Hail
		Golf-ball size hail was reported at the Dekalb High School. Trees were blown down and windows were blown out at Auburn.																	Golfball size hail at County Line Road and SR37.
Dekalb County	20	PM			0	0	3	0	Lightning	Putnam County	29	5:10 PM			0	0	3	0	High winds
		Lightning struck a house at Garrett and blew part of the upstairs off.																	Trailer damaged and trees down just west of Putnamville.
Rush County	20	PM			0	0	2	0	High winds	Hancock County	29	5:40 PM			0	0	0	0	High winds
		A tree was blown on a house at Milroy.																	Trees down at Greenfield.
Madison County	20	PM			0	0	2	0	High winds	Brown County	29	6:00 PM			0	0	4	0	High winds
		Part of a roof was blown off Precision Transmission at 2940 INB and 109 bypass. Cars were damaged.																	Cottage damaged at Sweetwater Lake.
Jennings County	20	PM			0	0	0	4	High winds, hail	Montgomery County	29	PM			0	0	4	0	Lightning
		Trees were blown down at North Vernon. Hail the size of quarters was reported in the south-eastern part of the county.																	Lightning caused a fire which destroyed a home at Lake Holiday.
Jennings County	20	PM			0	0	3	0	Lightning	Kosciusko County	29	PM			0	0	5	0	High winds
		Lightning caused a house fire in North Vernon.																	Farm near Claypool -- a barn and garage were blown down.
Wayne County	20	PM			0	0	3	0											
		Tree blown on a house at Centerville.																	

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1979

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>IOWA</b>									
Monona Clayton County	5	5:30 P			0	0	4	4	Severe Thunderstorm
A severe thunderstorm produced hail up to an inch in diameter and 3 inches deep on the ground. Hail damaged crops, damaged several buildings, cars and stripped leaves off many trees.									
Grundy, SW Black Hawk and Tama Counties	5	5:30 P-7:00 P			0	0	4	5	Severe Thunderstorm
A severe thunderstorm which produced 6 tornadoes (recorded separately), also produced winds in excess of 60 MPH and hail up to 2 1/4 inches in diameter. Wind blew down trees which fell on power lines. Hail damaged many cars and roofs and stripped many trees of their leaves.									
3 NE Gladbrook to near Gladbrook to 5 E Garwin Tama County	5	6:05P-6:24P	12	75	0	0	5	4	Tornadoes (5)
Three small tornadoes touched down in a farmer's field, all within 1/2 mile of each other and moved SW for nearly one mile. At this time the three tornadoes merged into one (we will call tornado A) and moved south for 1 1/2 miles swaying along a path.									
At approximately the same time the first three tornadoes formed, two other tornadoes touched down one mile to the west. After 1/4 mile they merged into one (called tornado B) and moved southwest, approaching the northeast corner of Gladbrook. At this time tornado "B" veered and moved southwest, then east for one mile. One mile to the east of Gladbrook tornadoes "A" and "B" merged and moved southeast. At times two tornadoes were observed side by side and at other times only one. The tornadoes skipped along a path touching down in an erratic fashion until reaching the intersection of Highway 63 and 222. The tornadoes then lifted and dissipated into the clouds.									
3 SW Palo to 4 N Hiawatha Linn County	9	4:13P-4:25P	6	30	0	0	4	0	Tornado
A small tornado touched down at a farm southwest of Palo, damaging a pole barn and twisting off trees. Tornado lifted then touched down briefly 4 miles north of Hiawatha, damaging a fence.									
North Central, Central and Southern	13	2:30P-11:00 P			0	0	5	5	Severe Thunderstorm
A line of severe thunderstorms developed in Northwest and North Central Iowa and moved southeast into Central and East Central and later into Southern sections. These thunderstorms produced heavy rain, high winds and hail. A four mile by two mile wide area between Gladbrook and Garwin in Tama County had ping-pong ball size hail. This hail ruined crops. In northern Story County hail ruined corn and soybeans. In individual golf ball sized hail covered the ground, denting campers, cars. Heavy rains of up to 4 inches flooded streets and basements in Marion in Linn County. High winds of 70 to 75 MPH blew down trees and power lines in Winterset in Marion County Creston in Union County and Danville in Des Moines County.									
Union County and Southwestern Madison County	19	3:00 P - 3:45 P			0	0	5	4	Severe Thunderstorm
A severe thunderstorm produced winds of up to 90 MPH which uprooted trees which fell on power lines, cars and houses. Heavy rain flooded streets and basements in Creston, Union County. Hail destroyed crops.									
Western Two-Thirds of Iowa	19	4:30P - Midnight			0	3	6	4	Severe Thunderstorm
A line of severe thunderstorms formed in Eastern Nebraska and moved east. These thunderstorms produced periods of funnel clouds, heavy rain and strong winds of 70-90 MPH. The high winds knocked out many windows, blew down trees, which fell on houses, cars and power lines. In Mayville, Woodbury County, high winds destroyed a garage and damaged roofs. A woman was struck by a light fixture inside her home. A Saylorsville Marina in Polk County was damaged by winds. In Creston two mobile homes were destroyed and two others were damaged. At Lake Anita State Park in Cass County, three compact vehicles were turned over, injuring two campers. In Spencer, high winds blew down a hangar.									
3 S Terril Clay County	19	6:00P			0	0	0	0	Funnel Cloud
A funnel cloud was observed near Trumbull Lake. The funnel cloud came within 3 feet of the ground but never touched the ground.									
1 SE Creston Union County	19	6:50 P			0	0	0	0	Funnel Cloud
Funnel cloud was observed moving NE near the airport. Funnel lasted for 5 minutes before dissipating into clouds.									
2 NE Protivin Winnebeshiek County	19	9:30 P	.2	30	0	0	4	0	Tornado
A small tornado touched down at a farm and destroyed a barn, silo and machine shed.									
3 N. Bloomfield Davis County	20	1220A	.4	30	0	0	4	0	Tornado
A small tornado touched down at a farm and damaged barn, hog houses and granary. Trees were also twisted. The tornado moved northeast and lifted after striking the farm.									
North Central and Central	28	5:00P-12:00P							Severe Thunderstorm
A series of severe thunderstorms entered North Central Iowa from the northwest and spread into Central Iowa. These severe thunderstorms produced 8 tornadoes (reported separately), numerous funnel clouds, ping-pong ball size hail, high winds and heavy rain. The storm caused 39.2 million dollars in damage. Many fields of corn and soybeans were ruined by hail. High winds blew trees down which fell on power lines, cars and houses.									
1 E Armstrong Emmet County	28	5:12 P	.5	30	0	0	0	3	Tornado
A small tornado touched down in an open field damaging crops. The tornado then lifted back into the clouds.									
<b>IOWA (continued)</b>									
2 E Ringsted to 1 W Fenton Emmet and Kossuth Counties, respectively	28	5:25P - 5:36P	6	40	0	0	4	5	Tornado
The small tornado touched down, moved southeast damaging out-buildings in addition to crops before lifting and dissipating.									
3 SW Bancroft to Algona to 1 NE Irvington Kossuth County	28	5:38P - 6:28P	20	300	2	34	7	5	Tornado
A large tornado touched down 13 miles north of Algona and moved south-southeast. The tornado stayed on the ground tearing up crops and damaging numerous farms before slamming into Algona. The tornado destroyed 104 homes and 20 businesses. Numerous trees and cars were also destroyed. 369 homes were damaged. After smashing through Algona the tornado moved south-southeast for 3 miles and then began to narrow and took a turn to the east-southeast before dissipating.									
3 SW Mallard Pocahontas County	28	6:00P	.5	40	0	0	4	2	Tornado
A small rope like tornado touched down damaging out-buildings and destroying crops. Tornado then lifted back into the clouds.									
6 W Palmer (Pocahontas County) to 1/2 NW Klerim (Calhoun County)	28	6:20P-7:10 P	30	350	3	26	7	5	Tornado
Tornado came out of the clouds and moved SE at 15 MPH. At first the tornado was 100 ft wide. Tornado lifted briefly, skipping over a church before staying on the ground for the next 29 miles. As the tornado approached Manson, the speed increased and the tornado widened to 1000 ft just before striking the city. In Manson 110 homes and the junior high school were destroyed. 25 of 35 businesses in business district were destroyed. The tornado continued southeast destroying several farms to Klerim before lifting and dissipating.									
3 N and 1 W St. Joseph to 2 E St. Joseph Kossuth County	28	6:30P-6:45P	4	35	0	0	4	3	Tornado
Tornado touched down in a field, travelled southeast striking a farm and damaging out-buildings and barn. Trees were twisted and crops of corn and soybeans were destroyed.									
1 E Luverne to just west of Renwick to west of Goldfield to 2 E Eagle Grove (Kossuth, Humboldt, Wright Counties)	28	6:40P-7:28P	24	300	0	0	5	5	Tornado
A tornado touched down near Luverne and moved southeast. The tornado moved through a rural area and destroyed numerous corn and soybean fields before lifting and dissipating.									
3 NNE Webster City to 1/2 NE Kamar (Hamilton County)	28	8:01P-8:22P	11	350	0	10	5	5	Tornadoes(2)
A tornado touched down and moved southeast just missing the eastern edge of Webster City. The tornado destroyed 5 farms with 12 other farmsteads reporting damage to out-buildings and crops. The tornado moved southeast approaching the northeast side of Kamar. Tornado split into two distinct funnels of 1/2 mile before dissipating into the clouds.									
SN Redfield to DeSoto (Dallas County)	28	8:40P-9:01P	12	40	0	0	5	4	Tornado
A small tornado touched down and headed southeast. The tornado skipped along its path damaging a farm house and crops. The tornado hit DeSoto damaging several roofs and a Mobile Home Court. Seven mobile homes were completely destroyed, 30 others damaged, while only one home was severely damaged.									
<b>KANSAS</b>									
NO REPORT RECEIVED									
<b>KENTUCKY</b>									
Breckinridge Cy	6	5:45pm EDT					4		Svr Tstm
A severe thunderstorm hit 4 miles W of Hardinsburg knocking over trees, demolishing a mobile home, breaking windows and injuring cattle.									
Caldwell Cy	7	6:30pm CDT					4		Svr Tstm
High winds caused some structural damage to garages, homes, and vehicles in Fredonia.									
Hason Cy	7	3:30pm EDT					1	4	Svr Tstm
High winds caused damage to buildings on 8 farms. A man was hit by lightning as he left a soft ball game.									
Adair Cy	8	6pm EDT					4		Svr Tstm
A garage was heavily damaged along with some cars inside. High winds also caused minor damage to some homes on Snake Creek Rd.									
Hancock Cy	7	4:30pm CDT					4		Svr Tstm
Barns, sheds, fences, and a windmill were heavily damaged by high winds.									
Ballard and McCracken Cys	20	3:30pm CDT					4		Svr Tstm
A mobile home was destroyed by high winds at Loylaceville. A barn and a few sheds were damaged west of Paducah.									
Marshall Cy	20	7pm CDT					3		Svr Tstm
Some plate glass windows were blown out by high winds.									

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JUNE 1979

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					KILLED	INJURED	PROPERTY	CROPS	
<b>KENTUCKY (continued)</b>									
Boyle Cy Lincoln Cy Garrard Cy	22	4:45pm EDT				5	4		Svr Tstm
			Hail damage to tobacco fields was reported over these 3 counties. Baseball sized hail was reported 5 miles S of Darville in Boyle Cy. Many barns damaged or destroyed.						
Washington Nelson Cys	22	Late aftn				5			Svr Tstm
			More than 10 warehouses were damaged by high winds in Bardston. In Washington Cy High winds flattened barns, overturned mobile homes and knocked out electrical power over a large area.						
Shelby Cy	29	6:35pm EDT	20	100	0	0	5		Tornado
			A tornado touched down at Finchville and then moved ENE to a point near Bagdad. The tornado was on and off the ground between these two points. The terrain is mostly wooded and these most of the damage was to trees. Four farms were heavily damaged in Finchville and barns and sheds and farm equipment destroyed in Bagdad.						
Franklin Scott Harrison	29	7:45pm EDT	40	40	0	7	5		Tornado
			The tornado touched down 4 mi north of Frankfort damaging 2 mobile homes and a barn. The tornado moved westward and arrived in Georgetown at 8:19 pm EDT. Considerable amount of damage there along with 7 minor injuries. Main damage to police station. Tornado then moved erratically Nward to a point near Cynthia. Mobile homes damaged near Cynthia.						
Edmonson Cy	30	9:25pm CDT							Svr Tstm
			High winds knocked down 20 to 30 trees and blew part of the roof off a house at Brownsville. Four to 5 inches of hail were on the ground at Brownsville.						
<b>LOUISIANA</b>									
Washington Parish	1	Morning	?	?	0	0	4	0	Thunderstorm
			A moderate to heavy thunderstorm moved through Bogalusa during the morning hours bringing winds described as gale force, lightning and heavy rain.						
Rapides Parish	1	Evening	?	?	0	0	3	0	Thunderstorm
			A heavy thunderstorm hit Pineville with heavy rain which flooded some streets.						
Orleans Parish	3	6 PM	?	?	0	0	0	0	Waterspouts
			At five waterspouts were sighted over Lake Pontchartrain near the causeway bridge. No damage reported.						
Caddo, Bossier, and Webster Parishes	5	Morning	0	0	0	0	0	0	Heavy rain
			Heavy rain moving through northeast Louisiana dumped several inches through the area causing street flooding in Vivian, Shreveport, and Springhill. No damage was reported with no evacuations.						
Concordia Parish	9	Evening	0	0	0	0	0	5	Heavy rain
			Heavy rains in the Mississippi Delta area flooded many fields. Rains were reported on the order of 7 to 9 inches. Several fields had to be replanted at great expense. In nearby communities no problems were reported.						
Quachita and Morehouse Parishes	24	2-4 PM	?	?	0	0	4	0	Thunderstorms
			Heavy thunderstorms with winds between 40 and 45 mph moved through Monroe, Bastrop, and Mer Rouge damaging a store roof in Monroe and doing minor property damage in Bastrop and Mer Rouge. Half inch hail reported in Mer Rouge.						
Concordia Parish	30	10 AM	7	200	0	1	4	0	Tornado
			A tornado touched down briefly on Old River Lake near Deer Park. It probably would have gone unnoticed except a fishing rodeo was going on the lake. Approximately 150-200 boats were capsized or blown about by the winds with the tornado. Everyone was accounted for. One person was injured slightly when a falling tree brushed him.						
<b>MAINE</b>									
Aroostook County	16-17	Late aftn & Evng			0	0	4	0	Severe Thunderstorms
			Severe thunderstorms struck extreme northeast Aroostook County during the late afternoon and evening hours on the 16th and 17th with strong surface winds, heavy rains, and hail. On the 16th, sections of Frenchville and Madawaska reported golfball size hail which remained on the ground for several hours. Unofficial report estimated wind around 100 mph. Trees from sapling size up to 18 inches in diameter were snapped off or uprooted. They took down power lines and fell on structures and cars. On the 17th, Caribou had a wind gust to 58 mph and small hail.						
<b>MARYLAND &amp; D.C.</b>									
Harford County	22	7:00 p-8:00 p			0	0	4	0	Wind, Hail
			Strong windstorms struck sections of county from Madonna to Aberdeen with many trees uprooted or snapped, along with mostly minor damage to residences. Most serious loss was the unroofing of a barn near Madonna, with three horses inside escaping injury. In Jarrettsville area golfball-size hail killed several chickens. Damage estimated at around \$15,000.						
Hagerstown	29	7:45 p			0	1	0	0	Lightning
			Man struck by bolt of lightning while walking along road. He was admitted to local hospital in fair condition, and has since recovered.						
Eden (nr)	30	7:00 p			0	0	3	0	Wind
			Heavy thunderstorm winds almost completely destroyed a 60-foot shed. Damage estimated at around \$1,000.						
<b>MASSACHUSETTS</b>									
Berkshire Franklin Hampden and Hampshire Counties	5	3-5PM			0	0	3	0	Lightning
			Heavy thunderstorms crossed the area, knocking down many trees. Power lines were snapped and lightning caused destruction via a barn fire in South Deerfield.						
Worcester County	18				0	0	4	0	Lightning
			A house was struck in Princeton and sustained an attic fire. Several power substations were knocked out by lightning bolts. Lightning also caused a basement fire in a vacant warehouse.						
<b>MICHIGAN</b>									
2 SSW Keeler to Keeler, Van Buren county.	7	3:20pm	2	60	0	1	4		Tornado
			Mobile home spun through air and demolished, awning found 3 miles away. Woman occupant injured. Warehouse partially unroofed.						
3 SSW Moscow, Hillsdale county.	7	5:25pm	0.5	20	0	0	0		Tornado
			7 large trees down and no building damaged. Moved NNW. Funnel seen and roaring noise heard.						
Lower Peninsula, southeast of Kalamazoo-Clare-Harrisville	10	12-4pm			1	0	5		C Thunderstorms
			Man drowned when sailboat capsized in Higgins Lake. Two pleasure boats sunk in Saginaw Bay, one in Lake Huron near Port Hope. Nine persons rescued. Other boats capsized or swamped on Saginaw Bay, in Lake Erie, and on inland lakes. Many trees and power lines down. Minor damage to many buildings and vehicles.						
Southern Luce and southwestern Chippewa counties.	15	7-8pm			0	0	3		Hail
			Golfball size hailstones at Newberry 7:10pm and at Hulbert 7:50pm.						
Skandia, Marquette county.	16	8:30pm			0	1			Lightning
			Man knocked unconscious as he was about to enter breezeway of home. Lightning struck nearby.						
South of Manistee - Tawas.	20	7:30-2:30pm			0	1	4		Thunderstorms
			Squall line formed near shore of Lake Michigan and moved eastward. Wind damage was confined mostly to Midland, Bay, and Arenac counties. About 10 houses and several cars damaged by falling trees. 3 mobile homes overturned, 2 torn apart, and one burned due to ruptured fuel line. Woman injured in one of overturned mobile homes. Most damage elsewhere was due to lightning. Lightning, hail, downburst winds, and funnel clouds listed below were part of this storm.						
South of Manistee - Tawas.	20	7:30-2:30pm			1	1	5		Lightning
			Two girls struck while picking berries SE South Haven at 7:30 am. Cottage burned at Sylvan Lake, Newaygo Co., 11:00am. Houses set afire 3N Remba, 1NW Farwell, in Port Huron, and two in Hastings. Barn burned with loss of cattle near Middleville. Many power outages due to lightning.						
Portage, Near Centerville and North of Holland.	20	9:45am	1 1/2	inch					Hail
			North of Holland 10:00am 1 inch.						
1 SW Six Lakes, Montcalm county.	20	11:45am	1/2	1/16 mi					Downburst Wind
			Estimated 70-80mph. 2 houses, several outbuildings and mobile homes damaged.						
Near Jones, Cass county.	20	11:40am							Funnel Cloud
			Reported by Fire Department moving northeastward.						
1 W Eaton Rapids, Eaton County.	20	12:15pm							Funnel Cloud
Midland, Midland county.	20	12:15pm							Funnel Cloud
			Sighted over downtown area.						

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JUNE 1979

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					KILLED	INJURED	PROPERTY	CROPS	
<b>MICHIGAN (continued)</b>									
3 NE Crump, Bay county	20	12:50pm	0.8		0	0	4		Tornado
Two large sheils destroyed. Three vehicles inside damaged. Funnel cloud observed in contact with ground.									
4 W Standish, Arenac County.	20	1:44pm							Funnel Cloud
Mobile home blown over nearby.									
7 ENE Iron River, Iron county.	20	4:20pm			0	0	3		Tornado
Seed from aircraft. Many trees down along east shore of Emily Lake. Minor damage to resort.									
10 SW Republic, Marquette county.	20	4:53pm							Tornado
Brief touchdown seen from aircraft. Trees down near Chief Lake.									
7 SSE Blissfield, Lenawee County.	20	5:41pm	0.6		0	0	5		Tornado
Several houses and barns extensively damaged. Trees twisted off. Funnel cloud aloft had been sighted 11 NW Morenci at 5:25pm.									
Lower Peninsula north of Tawas and Grand Rapids.	20	6:30-9:00pm							Thunderstorms
Many trees and power lines down. Minor damage to many buildings. Most damage was due to lightning. Lightning, waterspout, funnel clouds and hail listed below were part of this storm.									
W Muskegon, Lake Michigan county.	20	6:30pm							Waterspout
4 S Shelby, Oceana county.	20	6:40pm							Funnel Cloud
Other unconfirmed reports in vicinity.									
Benona Twp., Oceana county	20	7:00pm							Hail
Hailstones golfball size.									
S of Kingsley, Grand Traverse county.	20	7:00pm							2 Funnel Clouds
8 N White Cloud, Newaygo county	20	7:30pm							Funnel Cloud
Near Luzerne, Oscoda county	20	8:00pm			0	0	3		Lightning
Summer home destroyed by fire.									
Camp Grayling, Crawford county.	20	9:00pm				45			Lightning
National Guardsmen injured when lightning struck mess tent. 3 hospitalized.									
Troy, Oakland county	20	7:50pm							Hail
Hailstones 1 3/4 inch.									
Upper Peninsula north west of Munising, Iron River county.	26	12:30-5:30pm							Thunderstorms
Waterspout, hail, funnel clouds and lightning listed below were part of this storm.									
Big Bay, Marquette county.	26	12:30pm							Hail
Hailstones 1 inch.									
Ironwood, Gogebic county.	26	12:50pm							Hail
Hailstones 1 3/4 inch.									
Just S Ironwood, Gogebic county.	26	12:50pm							Funnel Cloud
Sighted along Michigan - Wisconsin border.									
Beasemer, Gogebic county.	26	12:58pm							Hail
Hailstones 3/4 inch.									
Nisula-Alston area, Houghton county.	26	1:23pm							Hail
Hailstones 3/4 to 1 inch.									
Bug Bay, Lake Superior county.	26	12:30pm							Waterspout
Marquette, Marquette county.	26	3:00-4:00pm							Lightning
Two houses set afire.									
Just S Palmer, Marquette county.	26	5:20pm							Hail
Hailstones 1 3/4 inch.									
Just SW Durand, Shiawassee county.	29	10:39am							Funnel Cloud
3 N Lansing, Clinton county.	29	5:15pm							Funnel Cloud
Photographed by police officer.									

Other newsworthy weather events - June 1979

Date	Location	Event	Result
3	Ironwood	Thunderstorm	House damaged by falling tree.
3	Essexville	Lightning	\$2500 fire in house
3	Ovid	Wind	Falling tree destroyed porch.
4	Jackson	Thunderstorm	Car destroyed by falling tree.
5	Near Quincy	Lightning	Barned burned, two cattle and farm machinery destroyed. Person injured inspecting damage.
6	Cass City	Wind	Tree down.

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>MICHIGAN (continued)</b>									
10 Marquette									Wind
Trees and power lines down.									
15 Menominee									Rain
Street flooding.									
16 Iapheming and northern Marquette									Rain
Low areas flooded, street washed out.									
20 Escanaba									Lightning
Tree split.									
20 Menominee									Wind
Trees down									
20 Sault Ste. Marie									Lightning
Church Steeple damaged.									
21 Jackson County									Frost
Many Crops Killed.									
27 South Oakland County									Thunderstorms
Power out for 4000.									
27 Harbor Beach									Lightning
Auto parts store destroyed by fire.									
29 Benton Twp, Berrien county.									Lightning
\$20,000 fire in barn.									
29 Gladwin Co.									Lightning
Split trees, knownd down power lines.									
29 Kent, Calhoun, Eaton, Ingham & Ionia counties									Flash Flood
Roads flooded, minor washouts.									
29 Northern Kent Co.									Lightning
Many trees split.									
30 Muskegon									Lightning
WKBZ Off air.									
<b>Weather Related Deaths</b>									
Robert Holmes	24	Bay City	drowned in Higgins Lake when sailboat capsized by thunderstorms.						
Isabel Watkins	78	Royal Oak	Traffic accident, poor visibility in rain.						
Karen Becker	14	Bangor	Struck by lightning while picking strawberries.						
<b>MINNESOTA</b>									
Rockford-Delano East Wright & West Hennepin Counties	12	8:50PM	-	-	0	0	5	0	Wind
Winds exceeding 60mph damaged countless trees and many buildings. Barn destroyed west of Rockford. Residence two miles west of Delano almost totally destroyed. Metal hanger ripped apart and two planes damaged near Lake Charlotte. Many uprooted trees and smashed docks on Lake Beede. Hay barn flattened in Hanover area.									
N. Mille Lacs County	14	12:30PM	-	-	0	0	5	0	Wind
Winds with estimated gusts to 75-80mph swept through Kathio State Park. Worst hit was the campground area west of Coogchie Lake where 300 trees down. Camping vehicles damaged by falling trees but no personal injuries reported. Power but in campground area as of following afternoon. Father Hennepin State Park also hit by storm with 150 trees down.									
International Falls NE Koochiching County	14	7:12PM	-	-	0	0	3	0	Hail
Hailstones 3/4 inch to baseball size fell for a short time in International Falls, Browns Corners, and Little Fork. Hail did not cover ground.									
SE Todd, N Stearns, Redwood, and Morrison Counties	15	12:30AM	-	-	0	0	5	6	Wind & Hail
A series of severe thunderstorms moved through area during the early morning hours causing considerable damage to trees, roofs, and farm buildings. Winds clocked at 80mph and hail as large as baseballs in some areas. Damage to telephone lines alone over \$50,000.00. Total damage to crops unknown at this time.									
N Watonwan County	15	7:15AM	25	*3 1/2	0	0	4	6	Wind & Hail
Winds of 50 to 60mph and hail from 1/2 inch to 1 inch damaged an area 3 1/2 miles wide and 2 1/2 miles long. Drifts of hail a foot or more high reported several hours after storm. Visibility reduced to one hundred yards by fog produced by the ice - thus reducing the temperature to condensation point. The area across the northern portion of the county was on a northwest-southeast line north of St. James.									
9N Pipestone and 4N Edgerton	16	5:15AM	1/4	80	0	0	5	0	TORNADO
16	5:45AM	50 Ft.	50	0	0	4	0	TORNADO	
Pipestone County Murry, Redwood, Renville, Kandiyohi, Meeker, Lyon, and Rock Counties	16	6:40AM			0	0	6	6	Wind
Tornado 9N Pipestone destroyed a farmstead leaving only an old farm/barn standing. Two by four boards driven through steel bins. Direction of the Tornado was toward the southeast. A Tornado 4N Edgerton was moving northeast and touched down only briefly causing only minor damage. A storm system moving through Southwest Minnesota caused considerable damage from winds over 56mph and hail 3/4 inch to two inches in size. Heavy rain commin with hundreds of thousands of acres' crops destroyed along with mud road damage.									
Chippewa County	16	5:30AM	30	*2 1/2	0	0	5	6	Heavy Rain & Wind
Winds of 50mph or more with hail to golfball size and rainfall from 2.30 inches to 9.00 inches. Considerable flooding of farm roads and highways. Just-planted fields became 30-40 acre lakes. Rich topsoil washed into 3-foot drifts or into creeks and rivers. Some fields are lakes even at this writing in July. Crop damage estimated at one and one-half million dollars. Damage area two to three miles wide and 30 miles long - north of Montevideo.									



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1979

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>MINNESOTA (continued)</b>									
Lake Minnetonka Hennepin County	16	9:40AM	7	*1 1/4	0	0	5	0	Wind
Winds estimated up to 70mph skirted east shore of Lake Minnetonka as storm moved north-northeastward to Gleason Lake. Many boats and homes damaged by heavy winds and falling trees. Several porches, garages, and cars destroyed by falling trees. Wind knocked out clothing store window, severely damaging goods. 15 boats and several dozen bathhouses and campers damaged at Greenwood Marina. 80 boats damaged at Excelsior Marina - 6 totally. 25,000 people without electricity after storm at Minnetonka and surrounding area, downed powerlines resulted in death of man who stepped on 8,000-volt wire - event considered incidental to storm circumstance.									
Southern Minnesota	19	5P-10PM	-	-	0	25	7	6	Windstorm
One of the most violent storms of record devastated the south half of Minnesota Tuesday evening. It began as a deepening low pressure over the Dakotas at daybreak Tuesday, with well defined low center over the Eastern Dakotas at 6PM. Numerous funnels reported but damage attributed to straight-line and downdraft winds, occasionally exceeding 100mph. The fast moving line of violent thunderstorms rolled northeastward across Southern Minnesota, leaving a trail of damaged buildings and downed trees and powerlines. Many homes, barns, and outbuildings destroyed - trees in thousands were lost, extensive damage to farm equipment, vegetation, and autos, many fields with flattened crops - some corn pulled out by roots. Extensive field flooding with rainfall amounts near six inches in some areas. Faribault youth struck by lightning around 9PM near Lake Mazaska. Minor injury to a child when a mobile home tipped in the Green Isle area. A similar accident resulted in a broken leg near Highland. It was a devastating half-hour in the Minneapolis-St. Paul Area, with the first alarm at 8:24PM. The severe storm passed through the Twin Cities, downing powerlines, and uprooting trees over a wide area. There was widespread breakage of windows and some looting, with numerous mobile homes blown off foundations. One man admitted to hospital emergency room with lacerations and bruises due flying glass. Two treated due traffic accidents, and 19 additional reported as treated and released in Hennepin County along. In summation, this series of violent storms covered one of the largest areas of any summer storm on record. It was well forecast, with the possibility of a severe thunderstorm outbreak stated in early morning weather statement and local weather story, 12 hours or more in advance of the event. In addition, there was a total of 32 timely warnings issued for 59 Minnesota counties, and one for southwest Wisconsin.									
Beltrami County	25	6:30PM	12	*10	0	0	4	0	Hail & Wind
Strong hail and wind cut a path in a northeasterly direction south of Red Lake. Hail ranged from pea size to larger than golf balls. Depth of hail unknown. Damage reported by U.S. Forestry Office. Most damage was to timber by wind.									
Rochester Olmsted County	26	4:58PM	-	-	0	0	4	5	Hail & Wind
Hail 3/4 inch to golf ball size along with winds of 65mph caused considerable damage to property and crops in Rochester Area.									
Faribault County	26	6:00PM	-	-	0	0	4	6	Hail
Hailstones one half inch to as large as baseballs caused considerable damage to beans and corn in two areas of county. In the north portion of county, an 8-mile strip, while in the southwest portion a 15-mile strip were hit with average width about two-miles wide. Estimated damage ranged from 30 to 100 percent, while average may be closer to 40 and 50 percent.									
Freeborn County	26	6:30PM	-	-	0	0	4	5	Hail
A 30-minute hailstorm cut a path west to east across Freeborn County. Hailstones size ranged from 2 to 2 1/2 inches in diameter, ground was covered to a depth of 4 inches. Crop damage was complete in about 5,000 acres.									
Mower County	26	7:00PM	-	-	0	0	5	6	Wind
Winds of 85mph caused damage to several small hangers and a 40-foot hanger also was knocked down at the Austin Airport. The Austin Country Club had considerable tree damage and one quonset-type building damaged. Hail damage to areas of crops north of Lansing extending to Austin, and also in the Lytle and Rose Creek areas south to Stacyville. Dexter and Grand Meadow areas also had hail. Hail mostly marble size and still on ground the following morning. Hail two inches deep at height of storm. Rainfall associated with storm was 1 1/4 to 2 2/3 inches. Crop damage severe over area and not complete.									
South Harbor Mille Lacs County	28	9:30AM	-	-	0	0	4	5	Hail
Considerable damage to corn, hay, and oats as hail size of golf balls fell in a five square-mile area. Hail covered ground to over one inch deep.									
Nashua Wilkin County	28	2:00PM	2.5	30	0	0	5	0	Tornado
A tornado moving southeast touched down on the northwest city limits of Nashua and lifted east of the city. Heavy rain, hail the size of ping-pong balls, and wind gusts greater than 50mph. Damage to trailer court - one severely, roof off locker plant, and damage to many small buildings. One other funnel cloud to the north at same time, and also near Doran - sighted by police.									
<b>MINNESOTA (continued)</b>									
Orwell Dam Otter Tail County	28	2:00PM	-	-	0	0	0	4	Hail
A two-square mile area damaged by hail 1/4 to 1 1/4 inch in size. Two funnels sighted in Ferguson Falls area. Some heavy rain occurred with storm as well as much lightning.									
Norcross Grant County	28	2:30PM	6	10	0	0	5	4	Tornado
Tornado moved southeast and appeared to be three touchdowns by one tornado. The total track was about six miles long. Considerable damage to three farms. Numerous funnel sightings in county between 2-3PM, as storm passed through. No major injuries reported.									
1/2NW Benson Swift County	28	3:00PM	**30	10	0	0	0	0	Tornado
Tornado touched down briefly in open field. A funnel cloud was also observed about 3:15PM three miles northeast of Benson. No damage or injuries reported.									
Lamberton Redwood County	28	3:30PM	1/2	100	0	1	4	4	Tornado & Hail
Tornado moving northeast did considerable property damage to small buildings, trees, and powerlines. Many homes had roof damage. Hail one inch to 1 1/2 inches along with heavy rain caused some crop damage. One personal injury with broken leg when door pinned leg to wall during storm.									
Mountain Lake Cottonwood & Watonwan Counties	28	3:55PM	9.5	100	0	0	6	4	Tornado
Tornado touched down west of Mountain Lake in Cottonwood County and moved southeast into Watonwan County and lifted just north of Odin. Just before lifting, tornado turned in a northeasterly direction. Many farm buildings, 22 homes, and a church in Mountain Lake damaged. No major injuries reported. One lady could not open door to basement and was standing in the only area where roof did not fall. Hail destroyed crops to the north of its path. Some hogs had to be destroyed. Length of path 3-4 miles in Cottonwood County and 6 miles in Watonwan County, width varied to 1/2 mile.									
Martin County	28	4:00PM	30	*7.5	0	0	4	5	Hail & Wind
Strong wind, and hail 1/2 inch to larger than golf-balls cut a path southeastward across Martin County through Fairmont. The path was 30 miles long and 5-10 miles wide to the Iowa state line. Rainfall of 1-1 1/2 inches or more recorded.									
2N Lake Andrew 2E Roseland Kandiyohi County	28	4:15PM	7	*1/3	0	0	5	4	Tornado
28	4:30PM	5	30	0	0	5	3	Tornado	
A tornado touched down 2N of Lake Andrew near Sibley State Park, destroying many large oak trees. Path was to the southeast and about 1/3 mile wide for seven miles. Tornado lifted near the southeast side of Mud Lake. Many farm buildings damaged, and a van with occupants rolled over - no injuries reported. A second tornado touched down 2E of Roseland to the south of Lake Lillian. A house west of Blomkest was destroyed along with barns, turkey shed, and out-buildings. Some crop damage to soybeans. Tornado path width averaged 30-35 yards. No injuries reported.									
Annandale Wright County	28	4:30PM	1/5	30	0	0	5	0	Tornado
A small tornado caused heavy damage to six houses in Annandale and several houses on the south side. The direction of travel was to the southeast with considerable tree damage. Powerlines down by wind with considerable trees falling on lines. No major injuries reported.									
2E Stewart McLeod County	28	5:00PM	1/4	200	0	0	5	2	Tornado
A farm two miles east of Stewart was visited by a short-lived tornado that leveled farm. Funnel clouds also sighted over Olivia and near Buffalo Lake at about the same time. The tornado struck after the heavy rainfall and much of the thunderstorm activity had seemed to have passed eastward. No major injuries reported.									
6W Winthrop Sibley County	28	6:00PM	7	30	0	0	5	0	Tornado
A tornado skipped through seven farm sites causing severe damage to one. A funnel cloud also accompanied the tornado. Little if any damage to crops.									
SW Janesville Waseca County	28	6:10PM	3	60	0	0	5	3	Tornado
Three farms had considerable damage as a tornado was on the ground for some three miles and averaged 60-yards wide. The unusual thing about this was that the track ran in a northeast direction, while the other tornadoes this day had a southeast track. Heavy rain and some small hail was reported.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
<b>MINNESOTA (continued)</b>									
Maple Grove Hennepin County	28	6:15PM	0.1	15	0	0	5	0	Tornado
	A funnel was sighted by two residents and observed as it touched down briefly. The direction of travel was to the southwest and the point of touchdown was Yellowstone Lane and 81st Place North. Winds in area estimated at 60 miles an hour. Damage to homes, sheds, campers, tent trailers, canoes, etc. appears to be over \$200,000.00.								
6N Nicollet Nicollet County	28	6:24PM	6	20	0	0	5	3	Tornado
	Five farms damaged severely as tornado out path six miles long and some 20 yards wide. The Elroy Webster farm hit for the second time within 4 months. Ballstones 1/2 inch to 1 1/2 inches fell over a 10-square mile area. The direction of the tornado was toward the southeast. Early estimates of damage suffered: \$300,000 to structures, \$2,000 to crops, and \$4,500 to livestock. Believe this to be one tornado and at least two funnels also reported in area.								
Maplewood Ramsey County	28	7:40PM	1/5	35	0	0	5	0	Tornado
	Eight new houses damaged extensively with considerable siding and roof damage in area. 300 homes without electrical power for a while. No major injuries reported. Movement toward the southeast.								
Apple Valley Dakota County	28	7:40PM	0.1	10	0	0	4	0	Tornado
	A mini-tornado seen to dip down and cause considerable damage to house and yard furniture. Several people watched as tornado lifted the roof off.								
Waseca County	3	4:12PM							Funnel Cloud
N Minneapolis Hennepin County	6	5:10PM							Funnel Cloud
St. Peter Nicollet County	7	8:45PM							Funnel Cloud
Royalton Morrison County	10	4:00PM							Funnel Cloud
Albany Stearns County	15	1:00AM							2 Funnel Clouds
6S Madelia Waterwan County	15	7:30AM							Funnel Cloud
5S Smiths Mills Grant County	15	8:53AM							Funnel Cloud
Fairhaven Stearns County	16	7:44AM							Funnel Cloud
2S Mapleton Blue Earth County	16	8:15AM							2 Funnel Clouds
Inver Grove Heights Dakota County	16	9:35AM							Funnel Cloud
Motley Vicinity Todd County	19	12:57PM							Funnel Cloud
Bemidji-E Grace Lake Beltrami County	19	4:58PM							Funnel Cloud
Windom Ontonowood County	19	6:47PM							Funnel Cloud
Benson Vicinity Swift County	19	7:45PM							Funnel Cloud
3 Blocks W of IDS Bldg. Hennepin County	19	8:30PM							Funnel Cloud
White Bear Lake Ramsey County	19	9:31PM							Funnel Cloud
SW St. Bonifacius Hennepin County	19	9:32PM							Funnel Cloud
Pine City Vicinity Rock County	26	12:01PM							Funnel Cloud
St. Louis Park Hennepin County	26	1:49PM							Funnel Cloud
London Freeborn County	28	1:20PM							Funnel Cloud
Nashua Wilkin County	28	2:00PM							Funnel Cloud
Doran Wilkin County	28	2:30PM							Funnel Cloud
Numerous funnels over Grant County	28	3:00PM							Funnel Clouds

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<b>MINNESOTA (continued)</b>									
3NE Denson Swift County	28	3:15PM							Funnel Clouds
Fergus Falls Ottertail County	28	3:30PM							2 Funnel Clouds
Sanburn Redwood County	28	4:00PM							Several Funnel Clouds
6W Winthrop Sibley County	28	6:00PM							Funnel Cloud
Prior Lake Hennepin County	28	6:00PM							Funnel Cloud
Buffalo Lake Renville County	28	6:30PM							Funnel Cloud
6N Nicollet Nicollet County	28	6:45PM							Funnel Cloud
Madison Lake Blue Earth County	28	7:00PM							Funnel Cloud
Burnsville Vicinity Hennepin County	28	7:45PM							Funnel Cloud
Kenyon Goodhue County	28	8:25PM							Funnel Cloud
Long Siding Mille Lacs County	29	8:58PM							Funnel Cloud
<b>MISSISSIPPI</b>									
Prentiss Co.	21	4-10 am			0	0	5	6	Heavy rain, flooding.
	A six-hour downpour of rain, measuring seven inches in Baldwin, did considerable flooding damage in Prentiss County. Some roads were washed out and bridges damaged or washed out. Buildings and auto in downtown Baldwin were inundated by water 3 to 4 feet deep in some places. The greatest damage, however, was to 18,000 acres of newly planted soybeans belonging to 200 farmers. Half of that acreage was considered a total loss.								
<b>MISSOURI</b>									
SEE END OF TABLE									
<b>MONTANA</b>									
St. Mary Lake Glacier Park	13	11 AM					2		Strong Wind
	Two 17-year old boys drowned when inflatable kayak overturned and was blown away from them.								
Deer Lodge Powell County	17	Afternoon						5	Thunderstorm
	Lightening caused fire which destroyed barn, storage buildings and home 12 miles south of Deer Lodge.								
Big Sky Christian Youth Ranch Phillips County	30	5 PM	?	?	0	0	5	0	Tornado
Hill County	30	4:30 PM	?	?	0	0	5	?	Downburst Wind
	Damage to Air Force Radar Installation north of Havre. Recorded wind speed of 120 knots which was the maximum value this instrument could record. Numerous power lines, trees and signs were blown down between Havre and the Radar site.								
<b>NEBRASKA</b>									
Douglas County	4	7:45 AM			0	0	3	0	Lightning
	A bolt of lightning caused a fire in a wall at a school in Omaha forcing the students to evacuate.								
Sioux and Box Butte Counties	15	10:00 PM			0	0	3	6	Hail
	Hail upwards to 2 inches in diameter cut two swaths from eastern Sioux County through the Hemingford area to 12 miles northeast of Alliance. Causing extensive damage to wheat, beet and corn crops. Some damage also was reported to windows and cars at Hemingford.								
Cass County	16	6:00 PM			0	0	1	?	Hail
	Three quarter inch hail fell briefly in the Plattsmouth area.								
Box Butte County	16	6:45 PM			0	0	0	0	Funnel Clouds
	Two funnel clouds were reported 15 miles west of Alliance.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
NEBRASKA (continued)									
Box Butte County	16	7:00 PM -7:45 PM			0	0	4	6	Hail
		Hail to 2 1/2 inches in diameter fell from just southwest of Hemingford to northeast of Alliance causing heavy damage to wheat and beet crops. A farm 8 miles northeast of Alliance suffered damage to siding, windows and vehicles.							
Kimball County	16	8:40 PM			0	0	2	6	Hail
		Hail to 3 inches in diameter did extensive damage to wheat crops in an area 5 miles square northwest of Bushnell.							
Cheyenne County	16	9:00 PM			0	0	0	0	Funnel Cloud
		A funnel cloud was reported just east of Potter.							
Arthur County	16	10:00 PM			0	0	4	5	Flash Flood
		Excessive rains up to 10 inches flooded pastures and left drifts of sand to depths of 5 feet. Two steers were buried in the drifts left as the water receded. Buildings were flooded and damaged by the water at the Hawkins and Crouse ranches.							
Burt and Washington Counties	18	10:50 AM			0	0	2	6	Hail
		Hail upwards to 1 and 3/4 inches in diameter pelted corn and soybean fields causing heavy damage. Worst hit was a strip 2 miles wide and 5 miles long east of Tekamah. Hail also occurred at Fort Calhoun.							
Kimball County	18	6:35 PM	Short	Narrow	0	0	0	0	Tornado
		A tornado touched down briefly 5 to 6 miles south of Kimball in open country.							
Clay County	18	6:45 PM			0	0	1	2	Hail
		One and three quarter inch hail fell briefly at Dewesse causing minor damage.							
Webster and Nuckolls Counties	18	8:45 PM			0	0	1	3	Hail
		One and a half inch hail fell around Red Cloud and Nelson causing some damage to corn and soybeans.							
Nuckolls County	18	8:50 PM			0	0	0	0	Funnel Clouds
		Two funnel clouds were reported south of Lawrence.							
Scottsbluff County	18	9:10 PM -9:50 PM			0	0	5	5	Hail
		Hail upwards to 3 inches in diameter fell from the western portion of the county east to Minatare. Beets received heavy damage southwest of Scottsbluff where hail piled to a depth of a foot. Roofs and cars were damaged in Melbeta and Minatare.							
Kimball County	18	9:15 PM			0	0	3	6	Hail
		Hail fell from southwest of Bushnell to south and east of Kimball. Hail up to 1 and 3/4 inches in diameter caused extensive damage to wheat crops and some roof damage in Kimball.							
Otoe County	18	9:30 PM			0	0	4	1	Damaging Winds
		Strong winds in a thunderstorm damaged a number of farm outbuildings east of Lorton.							
DeL, Arthur and Keith Counties	19	7:00 AM			0	0	2	7	Hail
		Hail upwards to 1 and 3/4 inches and strong winds severely damaged wheat fields in a strip from west of Big Springs to the northeast corner of Keith County in a 8 mile strip. A few homes were damaged near Ogallala. Windows were also broken.							
Fillmore County	19	2:30 PM	3	6	0	0	2	4	Tornado
		A small tornado touched down north of Shickley and moved northeast 3 miles damaging corn but no buildings.							
NEBRASKA (continued)									
Dawson, Buffalo, Garfield, Wheeler, Valley, Greeley, Sherman, Howard, Phelps, Merricks, Nance and Hall Counties	19	2:40 PM -3:30 PM			0	0	6	7	Damaging Winds and Hail
		Winds gusting 60 to 80 m.p.h. along with hail upwards to 1 inch downed trees and power lines along with damaging crops and farm buildings. Winds created blowing dust reducing visibility locally to zero. A granary was blown down north of Amherst. A garage was destroyed northwest of Pleasanton. Part of a roof was removed from a farm house north of Wolbach along with toppled windmills in the area and irrigation divots. A roof was removed from a barn at Elba along with damage to a grain bin. Around Farwell grain and feed bins were damaged and farm windows blown out. At St. Libory a garage was blown down and a roof removed from a farm home. Crop damage was heavy through the area. A trailer house received damage near Bertrand.							
Fillmore County	19	3:00 PM			0	0	0	0	Funnel Clouds
		Two funnel clouds were sighted south of Geneva.							
Saline, Thayer, Jefferson and Fillmore Counties	19	3:00 PM -3:45 PM			0	1	6	6	Damaging Winds and Hail
		Winds gusting 60 to 80 m.p.h. in thunderstorm uprooted trees, downed power lines and damaged farm buildings. Numerous trees were downed at the Alexandria Lakes area and outbuildings were damaged at nearby farms. Hail damage occurred from around Gilead to Daykin. Five outbuildings were damaged on a farm 7 miles northwest of Fairbury along with 2 buildings on an adjacent farm. Ten miles south of Fairbury part of a barn roof was blown off into a home breaking windows cutting the occupant. Seven miles southwest of Wilber a cattle barn and hog shed were blown down and a machine shed and machinery were damaged.							
Jefferson County	19	3:05 PM			0	0	0	0	Funnel Cloud
		A funnel cloud was reported 8 miles west of Fairbury.							
Antelope and Boone Counties	19	3:45 PM -4:10 PM			2	2	7	7	Damaging Winds and Hail
		Winds gusting to over 80 m.p.h. caused extensive property damage, uprooted trees and downed utility lines. Two men were killed 1 1/2 miles south and 1 mile west of Oakdale when a concrete block storage building on a farm collapsed on them. Winds damaged the roofs of a fertilizer and grain elevator in Oakdale, and blew over a trailer home south of town. Two people in the trailer were injured. Other extensive damage occurred around Tilden where a trailer home was completely demolished. Windows were broken at the Tilden Hospital. In Albion a part of a roof was blown off an apartment complex and a mobile home was blown off the road south of town. Damage was reported to farm outbuildings west of Albion. In the vicinity of Oakdale and Tilden fifteen irrigation systems were destroyed. Hail upwards to 1 1/2 inches in diameter fell in a 10 mile wide corridor southwest to northeast in Antelope County causing severe damage to crops.							
Lancaster County	19	4:00 PM			0	0	5	2	Damaging Winds
		Winds gusting 55 to 70 m.p.h. downed trees and power lines and caused scattered property damage in and around Lincoln. Four unoccupied trailer homes were destroyed and several others were damaged. A roof was blown off a home at Capital Beach and six other homes received minor damage. Windows were blown out of the airport terminal building.							
Antelope County	19	4:05 PM	1/2	15	0	0	5	3	Tornado
		A tornado touched down briefly 1 mile north and 1 mile east of Oakdale causing extensive damage to farm buildings.							

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
NEBRASKA (continued)									
Knox, Cedar, Pierce, Wayne, Dixon, Dakota, Madison, Stanton, Platte, and Colfax Counties	19	4:05 PM -4:50 PM			0	0	6	6	Damaging Winds and Hail
Fifty to 70 m.p.h. winds in thunderstorms uprooted trees, downed power lines and caused scattered damage to buildings. A portion of a roof of a club in Dakota City was blown off damaging a car. Windows were blown out of a home 4 miles east of Wayne. A filling station was blown off its foundation at Filger. A number of trees knocked down in Norfolk damaged homes. Hail up to 3/4 inches in diameter damaged crops in the Plainview and Bloomfield areas and around Columbus and Randolph. At Coleridge a roof was blown from a barn and irrigation systems were damaged.									
Saunders County	19	4:15 PM			0	0	0	0	Funnel Cloud
A funnel cloud was reported 6 miles south of Morse Bluff.									
Cuming, Thurston, Burt, Dodge, Washington, Saunders, Douglas, Sarpy, Cass, Otoe, Johnson, and Nemaha Counties	19	4:25 PM -5:20 PM			0	0	6	5	Damaging Winds
Thunderstorm winds gusting 50 to 70 m.p.h. downed trees and power lines and caused scattered property damage. At Lyons the roof of a baseball grandstand was toppled. At Valley 3 barns at a stable were heavily damaged killing 2 horses. Nearby farms had wind damage. A farm 3 miles northeast of Oakland had heavy damage. Five head of cattle were killed 6 miles northeast of Scribner when a cattle barn was blown down. At Mead 3 truck trailers were overturned and a house and garage had roof damage. Severe tree damage was reported at Prague and grain bins were destroyed in west Omaha a home under construction was blown down. Barns were blown down 5 miles west and 6 miles southeast of Auburn. In Nebraska City a home lost its second floor in the winds. A number of farms in the Nebraska City area suffered damage to barn roofs and outbuildings. East of West Point a number of barns were damaged and outbuildings were destroyed.									
Cuming County	19	4:35 PM	2	20	0	0	5	3	Tornado
A tornado touched down 4 miles southeast of West Point and moved northeast heavily damaging a barn, outbuildings, and farm wagons before lifting.									
Knox County	19	4:45 PM			0	0	0	0	Funnel Cloud
A funnel cloud was sighted 2 miles northeast of Bloomfield.									
Red Willow County	21	5:30 PM -6:10 PM			0	2	4	6	Hail and Damaging Winds
Hail upwards to 2 inches in diameter severely damaged crops and broke windows from northeast of McCook through and north of Indianola to 6 miles south of Bartley. Two persons were bruised by hail 3 miles southwest of Bartley when they left their trailer which was damaged by gusty winds. Winds also tore a portion of a roof off a mobile home south of Bartley and blew over a grain bin.									
Buffalo County	21	5:30 PM			0	0	4	5	Hail
One and a half inch hail fell just north of Gibbon damaging corn crops, roofs and an auto.									
Adams County	21	6:00 PM			0	0	?	?	Hail
One and a half inch hail occurred briefly near Kenesaw causing minor damage.									
Gosper County	21	6:25 PM			0	0	3	0	Damaging Winds
Gusty winds in a thunderstorm damaged a hangar and aircraft parked inside southwest of Bertrand.									
Phelps County	21	6:45 PM			0	0	3	0	Damaging Winds
Strong thunderstorm winds damaged a building of a transport company east of Holdrege.									
NEBRASKA (continued)									
Merrick, Polk and Butler Counties	21	7:00 PM -8:00 PM			0	0	5	7	Hail and Damaging Winds
Hail upwards to 1 1/2 inches damaged crops along a 2 to 3 mile wide path from around Archer and Central City to 5 miles south of Columbus. Winds in thunderstorms destroyed a barn and sild north of Clarks.									
Adams County	21	7:00 PM			0	0	?	?	Flash Flood
Rains of 2 to 3 inches fell around Pauline in a short period of time. Water accumulated to a depth of three feet in areas of the town entering 6 homes.									
Adams County	21	7:05 PM			0	0	?	5	Hail
Hail up to 1 1/2 inches heavily damaged the corn crop around Ayr and Pauline.									
Clay, Fillmore, Nuckolls and Thayer Counties	21	7:05 PM -8:15 PM			0	0	5	6	Damaging Winds and Hail
Strong winds and hail damaged crops and downed trees. A large grain elevator was heavily damaged at Lawrence by the winds. The hail ranged up to 1 and 3/4 inches. Heavily damaged crops especially around Lawrence, Ruskin, Nelson and Hebron.									
Fillmore County	21	7:55 PM			0	0	0	0	Funnel Cloud
A funnel cloud was sighted near Geneva.									
Thayer County	21	8:00 PM			0	0	0	0	Funnel Cloud
A funnel cloud was reported near Hebron.									
Saline, Lancaster, Jefferson and Gage Counties	21	8:30 PM -9:45 PM			0	0	4	3	Damaging Winds
Strong winds upwards to 40 m.p.h. in thunderstorms downed trees, disrupted power and caused scattered property damage. In Lincoln a number of trailers were damaged. A roof was blown off a used car building and car windows broken. A machine shed was destroyed at Homerville.									
Gage County	21	9:10 PM			0	0	0	0	Funnel Cloud
A funnel cloud was reported northwest of Beatrice.									
Douglas, Sarpy, Cass, Otoe, Johnson, Nemaha, Pawnee and Richardson Counties	21	10:00 PM -11:15 PM			0	0	5	?	Damaging Winds
Wind gusting at times to 50 and 60 m.p.h. in thunderstorms downed trees and power lines. A number of farms suffered damage in the Dubois area and tents were blown down and facilities damaged at a scout camp south of Humboldt. The roof was torn off a trailer home northeast of Falls City.									
Douglas County	21	11:30 PM			0	0	4	0	Lightning
Lightning struck and set fire to a home in Omaha.									
Boone County	22	1:30 PM			0	0	3	0	Lightning
Lightning set fire to the attic and damaged the wiring in a home in Albion.									
Sioux County	22	5:55 PM			0	0	1	5	Hail
Hail to 1 1/2 inches was reported briefly northwest of Morrill.									
Scottsbluff County	22	6:50 PM			0	0	2	5	Hail
Hail to 1 inch in diameter fell around the Mitchell area causing some crop and property damage.									
Dawes County	22	8:25 PM			0	0	3	3	Damaging Winds
Wind in a thunderstorm gusted to 65 m.p.h. at Chadron causing scattered tree and property damage.									
Johnson County	23	6:00 AM			0	0	2	0	Lightning
Lightning started a small basement fire in a home at Tecumseh.									
Dawes County	24	4:15 PM			0	0	2	5	Hail
Hail damaged about 900 acres of wheat northeast of Lincoln.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NEBRASKA (continued)									
Sheridan County	24	4:40 PM			0	0	5	5	Hail
									Hail upwards to 3 to 4 inches in diameter heavily damaged crops, buildings and machinery in a 20 square mile area 12 miles south of Hay Springs. Most ranch roofs had to be replaced.
Sheridan County	24	5:35 PM			0	0	0	0	Funnel Cloud
									A funnel cloud was sighted 14 miles northeast of Alliance.
Morrill, Cheyenne, Garden and Deuel Counties	24	5:45 PM - 6:30 PM			0	0	6	6	Hail
									Hail at times ranging in size from 2 up to near 4 inches in diameter fell in an area from east of Dalton and south of Broadwater to north of Lodgepole and Chappell. Crops were severely damaged. Roofs were heavily damaged along with windows on buildings. Vehicles were badly damaged. Some of the most extensive damage was north of Lodgepole.
Cheyenne County	25	7:00 PM			0	0	3	0	Damaging Winds
									Gusty winds in thunderstorms downed trees and power lines and damaged a few roofs and windows of homes in Sidney.
Grant County	25	7:10 PM			0	0	0	0	Funnel Cloud
									A funnel cloud was reported west of Hyannis.
Chase County	25	9:20 PM			0	0	4	3	Damaging Winds
									Strong winds in a thunderstorm caused damage to buildings, farm equipment and irrigation systems about 5 miles north of Imperial. Six grain bins were destroyed on one farm.
Kimball County	26	3:15 PM			0	0	0	0	Funnel Cloud
									A funnel cloud was reported 11 miles southwest of Dix.
Kimball County	26	3:15 PM	5	20	0	0	1	3	Tornado
									A tornado touched down 11 miles south and a half mile east of Bushnell and moved north-northeast 5 miles before lifting. Only damage was to wheat fields.
Kimball County	26	3:35 PM - 3:40 PM			0	0	0	0	Funnel Clouds
									Funnel clouds were reported 10 miles south and 6 miles west of Kimball and also 15 miles south and 4 miles west of Kimball.
Sioux County	26	6:20 PM			0	0	0	4	Hail
									One and a half inch hail fell 20 miles south of Harrison damaging wheat fields.
Sioux and Scottsbluff Counties	26	7:00 PM - 8:00 PM			0	0	4	6	Hail
									Hail ranging in size from 1 1/2 to 3 inches in diameter broke windows, dented autos and damaged crops. Heaviest damage was in and north of Morrill.
Rock County	26	7:00 PM			0	0	0	3	Hail
									Three quarter inch hail fell briefly 4 miles west of Bassett causing some crop damage.
Box Butte County	26	7:50 PM			0	0	0	0	Funnel Cloud
									A funnel cloud was reported 21 miles west of Alliance.
Cherry County	26	7:50 PM			0	0	0	3	Hail
									One inch hail fell 20 miles north of Thedford.
Dawes County	26	9:50 PM	Short	Narrow	0	0	0	0	Tornado
									A small tornado touched down briefly 5 miles west of Chadron in open country.
Knox County	26	10:10 PM			0	0	0	0	Funnel Cloud
									A funnel cloud was sighted south of Crofton.
Cuming County	27	12:05 AM			0	0	3	1	Damaging Winds
									Strong wind gusts in a thunderstorm blew down trees. One car was damaged at Dodge.
NEBRASKA (continued)									
Scottsbluff County	27	6:00 PM			0	0	2	4	Hail and Damaging Winds
									Hail up to 1 1/2 inches and winds to 60 m.p.h. damaged crops and downed power lines around Lyman and Morrill in thunderstorm.
Box Butte and Dawes Counties	27	6:30 PM			0	0	?	?	Strong Winds
									Winds gusted to an estimated 60 to 70 m.p.h. in thunderstorm west of Alliance and around Chadron. Little damage reported.
Banner County	27	6:55 PM			0	0	0	0	Funnel Cloud
									A funnel cloud was reported about 5 miles west of Harrisburg.
Sheridan County	27	7:10 PM	Short	Narrow	0	0	0	1	Tornado
									A small tornado touched down briefly 5 miles west of Gordon.
Saline County	27	7:35 PM - 8:25 PM			0	0	3	5	Hail
									Hail upwards to 1 1/2 inches in diameter damaged crops and caused scattered property damage to buildings and autos. Most extensive crop damage was around north of Crete and southwest of Wilber.
Cheyenne County	27	7:45 PM	3/4	20	0	0	0	2	Tornado
									Missile crews observed a tornado moving east over prairie land north of Sidney.
Gage County	27	8:25 PM - 9:45 PM			0	0	4	6	Damaging Winds and Hail
									Hail ranging in size from 1 to 1 1/2 inches damaged crops and caused some window and roof damage. Seventy percent of the wheat crop was estimated to be affected southwest of Beatrice. Gusty winds downed some trees and power lines and upset irrigation systems.
Gage County	27	9:30 PM			0	0	0	0	Funnel Cloud
									A funnel cloud was sighted 5 miles west and 2 miles north of Beatrice.
Dawson County	27	11:45 PM			0	0	?	?	Strong Winds
									Winds estimated to 70 m.p.h. were reported southwest of Lexington in thunderstorms.
Custer County	28	12:25 AM			0	0	4	0	Lightning
									Lightning killed 19 head of cattle on a farm just south of Constock.
Buffalo, Kearney, and Adams Counties	28	12:40 AM			0	0	2	3	Damaging Winds
									Winds gusting to 60 m.p.h. were reported from south of Kearney to near Kearsaw with minor tree and crop damage reported.
Nuckolls County	28	1:15 AM			0	0	3	0	Lightning
									Lightning set fire to the attic of a home in Superior.
Sioux and Scottsbluff Counties	28	7:15 PM			0	0	1	3	Hail and Damaging Winds
									One and a half inch hail fell briefly 8 miles north of Morrill causing some crop damage. Some tree damage in Gering.
Scottsbluff County	28	7:50 PM			0	0	0	0	Funnel Cloud
									A funnel cloud was sighted 12 miles southwest of Scottsbluff in the Wildcat Hills.
Banner County	28	8:10 PM			0	0	0	3	Hail
									One and a half inch hail fell west of Harrisburg causing some crop damage.
NEVADA									
									NONE REPORTED

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					KILLED	INJURED	PROPERTY	CROPS	
<b>NEW HAMPSHIRE</b> Cooks & Grafton Counties	5	5-6 p			0	0	4	0	Thunderstorms
									A line of heavy thunderstorms moved across the state during the late afternoon and evening. At Berlin, in Coos County, golfball size hail was reported. In Lebanon, Grafton County, winds were reported gusting to 63 mph. Most of the damage was caused by the winds felling trees and power lines. Crop damage could not be estimated.
<b>NEW JERSEY</b> Northern	5	5:40 p.			0	1	?	?	Thunder, Lightning High wind, Heavy rain and hail
									A barrage of severe thunderstorms, accompanied by heavy rain mixed with hail and high winds, and that may have been a tornado ripped through the Parsippany Lake section of Parsippany. Gusty winds uprooted a 70-foot oak tree and snapped a second one in two. A man was struck by a falling tree due to the high wind during a family barbecue. He was treated at the hospital and released. Police reported lightning touched down in Fair Lawn, lighting a garage on fire.
<b>NEW MEXICO</b> Las Palomas, Sierra County	1	Afternoon	?	?	0	0	3	3	Hail
									Brief hailstorm caused roof, auto, and crop damage. Hailstones to golf-ball size.
Redlake, Roosevelt County	5	Afternoon	?	?			3	4	Hail
									Hail to golf-ball size destroyed several hundred acres of wheat.
Springer, Colfax County	7	2:15 p.	?	?	0	0	3	0	Hail
									Hail to more than one inch diameter caused some roof damage.
Near Clayton, Union County	7	7:17 p.	?	?	0	0	0	0	Tornado
									Small tornado reported eight miles west of Clayton.
Albuquerque, Bernalillo County	8	Afternoon			0	1	0	0	Lightning
									Woman struck by lightning while riding bicycle.
Glencoe, Lincoln County	3	2:00 p.			0	0	5	4	Heavy rain, flash flooding
									More than two inches of rain caused Rio Hondo to rise almost five feet and washed out five bridges. Some damage to houses. Considerable livestock and crop loss.
Hobbs, Lea County	9	12:30 a.			0	0	4	?	Heavy rain, flooding
									About 2.5 inches of rain in 1.5 hours disrupted traffic and caused minor temporary flooding of buildings and streets and extensive electrical outages.
Penasco, Taos, Questa Area Eastern Taos County	9	Daytime			0	0	6	?	Flooding
									Ward rain on rivers swollen by snowmelt caused extensive damage to bridges and roads. Some homes damaged and a few families evacuated.
<b>NEW YORK</b> COASTAL			NONE REPORTED						
<b>NEW YORK</b> CENTRAL			NONE REPORTED						
<b>NEW YORK</b> WESTERN			NONE REPORTED						
<b>NORTH CAROLINA</b> Columbus County	3	3:00 pm	5	150	0	0	4	4	Wind
									A thunderstorm with winds 60 to 70 mph and hail struck an area off State Road 1164 near Whiteville. Houses, outbuildings, trees, and tobacco crops were damaged. Excessive rain also flooded some roads and caused erosion in the tobacco fields.
Granville County	3	afternoon					1		Lightning
									A 10 year old Granville girl was struck by lightning while taking clothes from a line. She was taken unconscious to the hospital.

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<b>NORTH CAROLINA (continued)</b>									
Alleghany County	19	10:00 am					2		Lightning
									Two men of Turkey Knob Community in the Piney Creek section were struck by lightning while standing in the yard. One man was taken to the hospital for burns on his right foot.
Mecklenburg County	19	1:45 pm					4		Hail
									3/4" to 1" hail fell at Davidson and Cornelius. Damage to trees and utility lines, poles, and transformers.
Cabarrus County	19	2:00 pm					4		Wind
									Wind damage to Charlotte Motor Speedway. 60 to 65 knot winds damaged two observation towers and trees. Estimated at \$10,000 damage.
Robeson County	19	7:30 pm	1/2	15			4	4	Wind
									Strong winds and large hail associated with a thunderstorm damaged several buildings, trees, and some tobacco.
Cleveland County	24	near mid-night	1/2	300			4	4	Tornado
									A small tornado touched down in Shelby damaged several buildings and many trees. The school auditorium roof was damaged as well as other buildings.
Onslow County	24	6:30 pm					3		Lightning
									Three Camp Lejeune Marines were slightly injured when struck by lightning on a field exercise.
Rutherford County	25	afternoon					3		Hail
									A thunderstorm with hail as large as golf balls damaged windows in Rutherfordton.
<b>NORTH DAKOTA</b>									
Argusville 4W (Cass County)	1	4:45p CST	?	?	0	0	0	0	Tornado
									Tornado touched down briefly. No damage reported.
Bismarck (Burleigh County)	2	8:43p CST			0	0	0	0	Windstorm
									Winds of 59 mph. No damage reported.
In Mott (Hettinger County)	3	7:30p CST			0	0	3	0	Windstorm
									High winds knocked over a camper trailer.
Emerado 2S (Grand Forks County)	3	9:00p CST	?	?	0	0	0	0	Tornado
									Tornado touched down briefly in an open field. No damage reported.
Braddock (Emmons County)	3	9:30p CST			0	0	3	0	Windstorm
									Strong winds tore 75 percent of a garage roof off, and carried the debris 150 feet into a nearby field.
Williston Area (Williams County)	4	Evening			0	0	2	0	Lightning
									Lightning struck a fiberglass tank of salt water, blowing the tank 50 feet through the air, and started a fire that burned one-third of the tank. Lightning also set fire to a wrecked car.
Manning (Dunn County)	11	10:55p CST			0	0	0	0	Windstorm
									Winds of 60 mph. No damage reported.
Taylor (Stark County)	11	11:15p CST			0	0	0	0	Windstorm
									Winds of 66 mph. No damage reported.
Garrison (McLean County)	12	1:26a CST			0	0	3	0	Windstorm
									Strong winds damaged two small sheds and downed several large sheds.
Granville (McHenry County)	13	6:00p CST			0	0	4	0	Windstorm Lightning
									High winds destroyed a hangar and a small plane parked in the hangar. Lightning knocked the chimney off a shop and burned out a fuse box, wall switches, two television sets and several light bulbs.
Dunn Center (Dunn County)	13	6:40P CST			0	0	3	0	Windstorm Funnel
									Strong winds damaged the roofs and blew off the doors on out-buildings, and tore off tree limbs. Funnel sighted during strong winds.
Harvey 3N (Wells County)	13	7:52p CST							Funnel
Arvilla 25W (Nelson County)	13	10:15p CST							Funnel

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					KILLED	INJURED	PROPERTY	CROPS		
<b>NORTH DAKOTA (continued)</b>										
Larimore (Grand Forks County)	13	10:55p CST							Funnel	
Max Area (McLean and Ward Counties)	15	Night			0	0	3	0	Lightning	
		Lightning struck and killed a cow, blew off insulators, and blew out a transformer.								
Belfield 15W (Billings County)	19	8:50a CST							Funnel	
Napoleon Area (Logan County)	19	Afternoon			0	0	0	5	0	Heavy Rain
		Heavy rains washed out several roads and flooded some fields.								
Berlin 5S (LaMoore County)	19	6:20p CST	?	?	0	0	4	0	Tornado	
		A tornado destroyed a grainery, hog house, pump house and garage, and uprooted 25 trees.								
Dickey (LaMoore County)	19	6:25p CST			0	0	4	0	Windstorm	
		Strong winds destroyed a garage and damaged a porch roof.								
Hastings 4E (Barnes County)	19	6:30p CST	?	?	0	0	5	0	Tornado	
		A tornado toppled a barn, pole shed and silo on a farmstead.								
Mooreton (Richland County)	19	7:00p CST			0	0	0	0	Windstorm	
		Winds of 65mph. No damage was reported.								
Ekelson 3W (Barnes County)	19	7:07p CST			0	0	0	0	Windstorm Two Funnels	
		Winds of 60mph. No damage was reported. Two funnels were also sighted.								
Fargo (Cass County)	19	7:54p CST			0	0	4	0	Windstorm	
		Winds of 60mph knocked out power lines resulting in power outages.								
Manvel (Grand Forks County)	20	10:25a							Funnel	
Valley City (Barnes County)	23	12:30p							Funnel	
Stanley 8W (Mountrail County)	24	4:00p CST	12.0	140	0	0	5	0	Tornado	
		A tornado...moving north northeast...damaged farmsteads in Mountrail and Burke Counties. The tornado took the roof off a machine shed, damaged windows and granaries, blew over trees, twisted a windmill, and blew away an old barn.								
Beulah 5W (Mercer County)	24	4:37p CST							Funnel	
Fargo (Cass County)	25	6:20p CST			0	0	0	0	Hailstorm/Funnel	
		Golf ball size hail and funnel sighted. No damage was reported.								
Wahpeton (Richland County)	28	4:00a CST			0	0	3	0	Lightning	
		Home was set on fire by lightning.								
Fargo 6S (Cass County)	28	12:45p CST	?	?	0	0	3	0	Tornado	
		A tornado spun a car around and the trailer the car was towing landed in a ditch.								
Wahpeton 5W (Richland County)	28	1:25p CST	4.2	100	0	0	2	0	Tornado Windstorm	
		Tornado pulled up one mile from Wahpeton. Strong winds with storm uprooted trees.								
Cavalier (Pembina County)	29	1:05p CST			0	0	0	0	Windstorm	
		Winds of 80mph. No damage reported.								
Ardoch 3W (Walsh County)	29	1:47p CST	?	?	0	0	0	0	Tornado	
		Tornado touched down briefly. No damage reported.								
Grand Forks AFB (Grand Forks County)	29	2:30p CST			0	0	0	0	Hailstorm	
		Golf ball size hail. No damage reported.								
Grafton (Walsh County)	29	2:35p CST			0	0	0	0	Hailstorm	
		Golf ball size hail. No damage reported.								
Cavalier 3W (Pembina County)	29	5:03p CST			0	0	0	0	Hailstorm	
		Golf ball size hail. No damage reported.								
<b>OHIO</b>										
Northeast Crawford County	7	6PM	1/4	30	0	4	4	0	TORNADO	
		A tornado touched down in the Wagonwheel Campground on Baker Rd just north of Ohio Rte 98. The storm was moving northeast and damaged five camping trailers and some trees. Four people in the trailers were injured.								
Lynch, Adams County	8	3PM	6	40	0	0	0	5	0	TORNADO
		A tornado moved into rural Adams county from Mason county Kentucky. The storm had a hit-skip path across the county and destroyed a church in Lynch. Other damage was limited to trees and utility lines.								
Bedford, Cuyahoga County	10	4-6PM	-	-	0	5	4	0	High Winds, Lightning	
		Thunderstorms moved across the Greater Cleveland area with 50 to 60 mph winds and numerous lightning strikes. A number of trees and utility lines were downed. One tree fell on a bleacher at a softball field in Bedford injuring five people.								
North Central	10	3-10PM	-	-	0	5	4	0	High Winds Lightning	
		Thunderstorms moved through north central Ohio and adjoining Lake Erie. Three boats were capsized and sunk in Lake Erie. In Wooster lightning struck and severely injured a girl walking under a tree at a little league baseball game. In the Mansfield area lightning struck three golfers under a tree. Also in the Mansfield area a man was injured when lightning struck the antenna on his car while he was reaching into the trunk.								
Put-In-Bay, Lake Erie	10	3-5PM	-	-	0	0	0	5	0	Hail, High Winds
		A thunderstorm with heavy rain, hail, and high winds moved over Put-In-Bay destroying 75% of the Catawba wine grape crop.								
Central	17	6-8PM	-	-	0	0	5	0	High Winds Lightning	
		Thunderstorms with frequent lightning strikes and wind gusts to 75 mph. In Delaware county an airport hangar and some planes were damaged by the winds.								
Cincinnati Area	18	6-7PM	-	-	0	0	4	0	Lightning	
		Thunderstorms moved through the Greater Cincinnati area with several lightning strikes starting fires.								
Western Half	20	3-9PM	-	-	0	2	6	0	High Winds Lightning	
		Numerous thunderstorms passed through the western half of the state. Wind gusts to 70 mph did considerable property, tree and utility line damage. Two persons were injured by lightning. A boy in Clermont county was struck by lightning while standing in his front yard talking to friends. A woman in Butler county was knocked unconscious when lightning struck her home.								
Central	21	7-9PM	-	-	0	0	4	0	Hail, High Winds Heavy Rain	
		Heavy thunderstorms moved through central Ohio with strong gusty winds, hail and heavy rain. The Columbus Airport received 3/4 inch hail and one and a half inches of rain in 24 minutes.								
<b>OKLAHOMA</b>										
Custer County	6	3:04p							Funnel Cloud	
		Reported by the public east of Clinton								
Central	6	3:18p							Funnel Clouds	
		Funnel Cloud between El Reno and Yukon at 3:18 pm, east of Edmond at 4:04 pm, and 7 miles south of Guthrie at 4:12 pm.								
Tipton, Tillman Co.	6	3:30p			0	0	?	?	Windstorm	
		Heavy damage reported to antennas and trees in the area. Marble size hail and heavy rain combined with the wind to damage gardens and wheat fields.								
Cyril, Caddo County	6	4:00p			0	0	?	?	Hail	
		Golfball size.								
Creek County	6	afternoon							Funnel Clouds	
		Funnels reported aloft near Bristow and Kelleyville.								
Tulsa	6	4:13p			0	0	3	0	Lightning Strike Funnel Clouds	
		Lightning struck the 165 foot control tower at Tulsa International Airport and started a small fire in the tower cab. Several funnels were reported in the Tulsa area but never touched down.								
Comanche County	6	4:20p			0	0	4	0	Wind, Flooding	
		Winds, gusting to 50 mph, damaged trees and roofs. Heavy rains flooded streets and damaged several automobiles.								
East of Anadarko Caddo County	6	5:00p	short narrow		0	0	3	0	Tornado	
		Small tornado ripped off a barn roof and uprooted some trees. Hail (size not reported) accompanied the storm.								

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					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA (continued)									
Northern Stephens, Southern Grady, McClain and Garvin Counties	6	5:00p-9:00p			0	0	5	5	Flooding, Wind
									Flood waters damaged more than 100 bridges or bridge approaches, and peeled off blacktop and gravel surfaces on miles and miles of roads. Flooding was reported on Wild Horse, Little Beaver, Hell, Armstrong, Buffalo, Sand Bear, and Rush Creeks. Unofficial reports included up to 5 inches of rain at Marlow within a 75 minute period. Two homes were heavily damaged by water at Marlow with minor flood damage reported to other homes. Wheat, peanut, and cotton crops were damaged. Near Marlow, the roof was peeled off a mobile home which had been overturned in a storm last April. Additional rain into the weekend prolonged the flooding over much of the area.
Norman, Cleveland Co.	6	5:45p			0	0	3	0	Wind
									Winds, estimated at 67 mph, knocked down a transformer and power pole at the University of Oklahoma.
Edmond, Oklahoma Co.	6	afternoon			0	0	4	0	Flooding
									Locally heavy rainfall flooded streets and washed out a few bridge abutments. Two businesses received water damage.
Chandler, Lincoln Co.	6	6:40p			0	0	?	?	Hail, Wind
									Hail, from 1/2 to 3/4 inches in diameter, was accompanied by winds of 40 to 60 mph.
Kay County	6	evening			0	0	?	?	Hail
									Small hail knocked down about 5% of the wheat crop in the area.
Roff, Pontotoc Co.	6	7:30p			0	0	2	0	Windstorm
									Thunderstorm winds uprooted several trees.
Tulsa	8	8:00p			0	0	4	0	Lightning Strike
									Lightning caused a fire which completely destroyed a home near 111th Street and Sheridan Road.
Broken Arrow, Tulsa County	6	8:15p			0	0	3	0	Windstorm
									Several trees were blown over at a farm near 111th and 209 E Ave. About half of a barn was destroyed.
Pauls Valley, Garvin County	6	night			0	0	4	0	Windstorm
									Hay barn demolished at the State School.
Pittsburg and Coal Counties	6	late night			0	0	?	?	Flooding
		7 morning							State Highway 31 was flooded in spots as Salt, Kill, and Muddy Boggy Creeks overflowed their banks. State Highway 63, between Hartshorne and Blanco was flooded.
Texhoma, Texas Co.	7	10:45p			0	0	?	?	Hail
									Goldball size hail
Goodwell, Texas Co.	7	11:00p			0	0	5	0	Windstorm
									Strong winds blew an unanchored mobile home off its foundation and into a nearby mobile home. Wind damage at the Panhandle State University, was heaviest to the gym and one building. A travel trailer was blown through a wooden fence and into plate glass windows. A rental truck was also overturned by the winds.
Cimarron County	7	night			0	0	?	?	Rain, Hail
									Hail (size not reported) and heavy rains destroyed some wheat fields and caused considerable roof and window damage throughout the County. Hail also damaged several vehicles. Hail was reported 4 inches deep on the highway between Boise City and Felt.
Alva, Woods County	8	3:05a			0	0	?	?	Windstorm
									Winds, gusting to an estimated speed of 75 mph, knocked down antennas, power lines, and numerous tree limbs.
Indianola, Comanche County	8	2:00p	short narrow		0	0	3	0	Tornado
									A small tornado touched down briefly several times as it moved in a southeast direction. The only significant damage was to a barn roof.
Turner Falls, Murray County	8	6:30p			0	0	3	0	Rain, Flooding
									About 4 1/2 inches of rain caused Honey Creek to overflow its banks on the evening of June 8. It remained out of banks until the early afternoon of June 9. Damage, at the bank, was mainly to tables.
Seminole, Seminole County	8	evening			0	0	?	?	Flash Flooding
									A 3 to 4 inch rain caused flooding of some residential areas and at the Municipal Park where water was 4 feet deep. Several trees were toppled due mainly to the wet ground. Salt Creek overflowed its banks south of Maud on the 9th.

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA (continued)									
Pocahontas County	8	evening			0	0	5	?	Flash Flooding
									About 75 county bridges were destroyed or severely damaged by high water. The rainfall, which measured from 3 inches in the north to more than 7 inches near Tecumseh, fell within 3 hours.
Oklahoma City Area	20	late afternoon and evening			0	3	5	0	Windstorm, Rain Lightning Strikes
									Winds blew down trees and heavy rains caused localized street flooding. Winds, estimated at 60 mph, knocked some fences. Lightning injured two persons at the Will Rogers Airport. A woman was seriously injured when lightning struck her as she tried to roll up a window on a car. The lightning was also blamed on a fire which destroyed a pharmacy.
Southern Payne and Northwest Creek Counties	20	5:00p			0	0	?	?	Hail
									Hail caused widespread damage to roofs and automobiles at Cushing, Perkins, and Drumright. Hail ranged from pea-size to baseball-size, although most of it was golfball-size. The hail fell for about 10 to 15 minutes.
Lawton, Comanche County	20	5:06p			0	0	?	?	Hail
									Goldball-size
Moore, Cleveland County	20	5:25p			0	0	?	?	Hail
									Three quarter inch hail.
Tulsa County and Rogers County	20	5:30p			0	0	5	0	Flash Flooding, Funnel Clouds, Wind
									Between 4 and 6 inches of rain fell in less than two hours in south Tulsa. For the third time in 5 years, Little Joe Creek flooded. Damage was heaviest in the Little Joe basin, where 3 homes were severely damaged, 21 received minor damage and 40 apartments had some damage. Funnel clouds were reported at Sand Springs, Skiatook, and Collinsville. High winds damaged trees and power lines in north Tulsa and Rogers Counties.
McClain County	20	6:05p			0	0	5	5	Windstorm, Rain
									Winds, estimated at near 100 mph, destroyed two buildings under construction, the roof of a mobile home, portions of a church, and the carport of a funeral home at Blanchard. Many automobiles were damaged by falling limbs. More than an inch of rain fell in less than 10 minutes. At Newcastle, wind damage occurred to a garage and trees. Heavy damage occurred to county bridges and roads. Five farm buildings and 8 barn buildings were damaged.
Tulsa County	20	7:30p			0	0	?	?	Hail, Wind
									Two inch hail and damaging winds were reported.
Harper County	21	2:30p			0	0	?	?	Wind, Rain, Hail
									Up to 2 1/2 inches of rain fell in the Buffalo area within 45 minutes and winds were measured at 80 mph. Golfball size hail peppered the southeast portion of the County.
Woodward County	21	2:45p			0	0	5	5	Hail, Windstorm
									Strong winds and hail, up to baseball size, hit the Woodward and Woodland areas. Extensive hail damage occurred to roofs, windows and automobiles. Heavy damage was also reported to the wheat crop.
North of Medford, Grant County	21	4:30p			0	0	?	?	Hail
									Goldball size
Muskogee and Wagoner Counties	21	5:00p			0	0	5	?	Hail, Windstorm
									Eighteen houses were damaged by high winds and baseball size hail 4 miles east of Fort Gibson at the Perkins Grove community. Winds destroyed two boat docks at Sequoyah Bay on Fort Gibson Lake. Ten boats were sunk.
Near Cashion, Kingfisher County	21	late afternoon			0	1	4	0	Windstorm, Lightning Strike
									Strong winds overturned a mobile home southeast of Cashion. One man was struck by lightning in the same area.
Northeast	21	afternoon-evening			0	0	?	?	Hail
									One inch to baseball size hail was reported at Kirchum, Salina, east of Locust Grove, Broken Arrow, and Checotah. Baseball size hail covered the ground near Big Cabin and blocked the Will Rogers Turnpike for 4 while.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>OKLAHOMA (continued)</b>									
Oklahoma City Area	21	evening			1	2	6	?	Windstorm, Flash Flooding, Funnel Clouds, Lightning
			Winds of 60 to 70 mph occurred over a wide area with isolated unofficial speeds estimated near 100 mph. The winds caused widespread tree damage with telephone and power service disrupted throughout the City. Several light planes were damaged at Wilcox Post Airport. A roof was lifted off a car dealership and wind and rain damage occurred to several schools.						
			Heavy rains flooded many streets. Deep Fork Creek flooded homes in a four block area. The driver of a car missed a turn and drove into rapidly flowing waters. The two occupants climbed onto the top of the car, but one woman, who could not swim, was drowned when the auto was washed under a bridge. Several roads were washed out and an old bridge seriously weakened. Lightning injured one woman and started numerous fires.						
			At Moore, extensive wind damage occurred to a discount store under construction and to the Malibu Shopping Center. One man was injured by lightning while working outdoors on his car. Significant wind damage to trees and roofs occurred in Norman and at Newcastle. Funnel Clouds were reported at Newcastle and Blanchard.						
Choctaw-Harrah Oklahoma County	21	7:00p			0	0	5	?	Windstorm, Funnel Cloud
			Strong winds completely destroyed one mobile home and damaged several others at Choctaw. The winds blew several cars off the road near Harrah, one home was heavily damaged and trees uprooted. A Funnel was reported about 3 miles north of I-40 and Choctaw Road.						
McLoud, Pottawatomie County	21	8:00p			0	0	4	0	Windstorm
			Several power lines were blown down and a building destroyed south of town.						
Custer and Washita Counties	21	8:30p			0	0	?	?	Hail, Funnel, Lightning Strike
			Baseball size hail damaged wheat fields in the area and a funnel was reported southwest of Arapaho at 8:30pm. Around 9:30 pm, baseball size hail occurred at Hestherford and at Colony a few minutes later. Lightning caused numerous fires in the wheat fields.						
Near Tuttle, Grady County	21	8:59p							Funnel Cloud
			Reported moving toward Blanchard.						
Lexington, Cleveland County	21	9:00p							Funnel Cloud
			Formed 2 to 3 miles north of town.						
Stratford, Garvin County	21	9:50p							Funnel Cloud
Northwest of Fort Cobb, Caddo Co.	21	10:15p							Funnel Cloud
Okmulgee, Okmulgee County	21	late night			0	0	3	0	Windstorm
			Windows were broken out at the library and at a laundromat. Other tree and sign damage occurred.						
Perry, Noble Co.	22	5:45a			0	0	5	?	Windstorm, Rain, Hail
			Violent winds caused widespread tree damage. The winds blew from the west to east and overturned several large truck trailers. Small barns and metal buildings were damaged. Marble size hail was as deep as 10 inches in some spots and some cars were stuck in the ice. Widespread window damage occurred. Wind blown rain flooded many structures as about 2 inches of rain fell in 15 minutes.						
North of Stillwater Payne County	22	6:00a			0	0	4	0	Windstorm
			Mobile home, located 1 mile west of US 177 and 3 1/2 miles north of Stillwater, was unroofed by strong winds.						
Lincoln County	22	7:30a			0	1	0	0	Lightning Strike
			Lightning struck a metal fence as a man was trying to straighten it upright at Chandler. He was knocked unconscious and only remembered his muscles cramping and a yellow white flash.						
West of Claremore Rogers County	22	10:15a			0	0	4	0	Windstorm
			Winds damaged a roof and front porch of a home. A camper trailer was blown over.						
Sayre area, Beckham County	22	8:00p			0	0	4	?	Windstorm
			Winds overturned an empty cattle truck about 2 miles east of Sayre. Tree damage was widespread.						
Pawhuska, Osage Co.	22	11:00p			0	0	?	?	Windstorm
			Extensive tree and power line damage reported.						
<b>OKLAHOMA (continued)</b>									
Fairfax, Osage Co.	22	11:15p							Funnel Cloud
			Police unit spotted a funnel about 2 miles north of Fairfax.						
Tulsa County	23	12:30a			0	0	5	0	Flash Flood
			Up to 5 inches of rain occurred in the downtown Tulsa area. Waters flooded City buildings and destroyed a great deal of communications equipment. Several cars were washed into flooded creeks and several buildings were flooded.						
Cushing, Payne Co.	23	1:00p							3 Funnel Clouds
			Two observed north of town and one to the south.						
Muskogee, Muskogee County	23	3:45p			0	0	?	?	Windstorm
			High winds and lightning toppled trees into power lines. Nearly two inches of rain produced minor street flooding.						
Sulphur, Murray Co.	25	10:00a			0	0	?	?	Flash Flooding
			Rainfall of 2 to 3 inches caused considerable flooding. About 1 1/2 inches fell in an hour and a half.						
Greer County	30	4:30p			0	0	5	?	Windstorm, Hail
			Winds of 60 to 70 mph blew a roof off a marina at Altus Reservoir. In the Mangum area, the roof of the Highway Dept. was damaged as were several other roofs. Damage also occurred to the hospital. Hail (size not reported) combined with nearly 2 1/2 inches of rain to damage crops in the County.						
<b>OREGON</b>									
Hermiston (Umatilla County)	26	Evening	UNK	UNK	0	0	UNK	UNK	Lightning strike hits power pole.
<b>PACIFIC</b>									
NO REPORT RECEIVED									
<b>PENNSYLVANIA</b>									
<b>EASTERN</b>									
Selinsgrove, Snyder County	5	2 PM to 3 PM EDT			0	6?	3	0	Wind
			Wind gusts from a thunderstorm collapsed a large tent that was housing an arts festival. Although numerous people were in the tent when it collapsed only a "handful" received minor injuries.						
Bradford and Susquehanna Counties	5	3 PM to 6 PM EDT			0	0	4	0	Wind
			Heavy thunderstorms brought wind gusts that downed trees and tree limbs bringing down power lines. At least one tree fell on a house causing considerable damage. One downed power line fell into a herd of cows in a pasture and electrocuted 14 of them. The thunderstorms were also accompanied by some hail and heavy rain, causing some roadway flooding. Some downed trees were also reported near Milton, Northumberland County.						
Schuylkill, Lancaster, Adams Counties	22	6 PM to 9 PM EDT			0	1	4	3	Electrical Hail, Wind
			Thunderstorms brought large hail and lightning to the Shenandoah, Pottsville and Orwigsburg areas of Schuylkill County. Lightning struck the county courthouse in Pottsville damaging the County Communications Center and putting it out of service for hours. The hail damaged crops, trees, porch awnings, roofs and automobiles. An automobile windshield was reportedly smashed by a hailstone near Orwigsburg. Hail as large as the size of tennis balls was reported. In Lancaster County a man in a barn was hit by lightning, but only slightly injured. Large hail was also reported in Lancaster County with the largest falling in the New Holland, Blue Ball and Goodville areas. It was reported as the size of marbles and walnuts, with actual measurement up to 2 inches in diameter. In the Gettysburg area of Adams County, trees and limbs were down and heavy rain and hail fell. One large store window was smashed by the wind. Small hail also fell in Chester County and in Philadelphia.						
Lititz, Lancaster County	28	3:30 PM EDT			0	0	5	0	Electrical
			Lightning struck a large home causing a fire which resulted in considerable damage to this valuable property.						

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					KILLED	INJURED	PROPERTY	CROPS	
<b>PENNSYLVANIA (continued)</b>									
<b>EASTERN</b>									
York, Cumberland and Lycoming Counties	28	4:30 PM to 7:30 PM			0	1	4	6	Hail, electrical
<p>Hail was reported in all three counties as thunderstorms occurred across Eastern Pennsylvania. York County had the most intense hail fall, lasting about 20 minutes and measuring in size up to one and a quarter inches. The hail covered the ground and in York County washed into drifts 6 to 12 inches deep. Extensive crop damage in York County was most destructive to orchards, but also did considerable damage to corn, wheat, barley, raspberry, cantaloupe, potato, tomato and other vegetable crops. Estimates are that the damage could reach 750,000 dollars. The hail also caused considerable property damage with mobile home roofs punctured and holes torn in tent camper canvas. The hail and lightning and some gusty wind caused utility outages to several hundred customers. A man was struck by lightning near Montoursville, Lycoming County, but he was only slightly injured.</p>									
Schuylkill, Carbon, Berks and Montgomery Counties	28	7 PM to 10 PM EDT			0	1	4	4	Hail, electrical, wind, heavy rain
<p>Thunderstorms produced hail up to golf-ball size which caused considerable crop damage, mainly in Berks County. Hailstones covered the ground in some areas, washed into drifts 4 to 6 inches deep and some piles of hail had still not melted the next morning. Heavy rain accompanying the storms caused stream and roadway flooding, caused mud slides and washed debris on fields and lawns. Wind gusts and lightning caused power outages along with telephone and television cable service interruptions. Wind also damaged some roofs. A woman in Tanawaka, Schuylkill County, was struck by lightning while in her kitchen, but only slightly injured.</p>									
Palmdale, Dauphin County	29	10 PM EDT			0	0	4	0	Wind
<p>Extremely high wind gusts accompanying a thunderstorm caused extensive damage along a 1/2 mile track. Large trees, some as much as 3 feet in diameter, were uprooted or snapped off. One garage was completely lifted off its foundation, carried over the house and deposited as a pile of debris in the street. Sixty-five properties sustained damage which included garage roofs lifted up or damaged, damage to roofing of siding of houses, utility buildings destroyed or completely blown away, utility poles snapped off and the chain link fence around tennis courts completely blown down and twisted "like a pretzel."</p> <p>A bunch of truck camper tops at an automobile dealer's lot were picked up and blown against the building. One camper top was completely carried away and could not be found. Although the news media and local residents felt that the damage was the result of a tornado, a damage inspection by the National Weather Service indicated straight line wind damage. The type of damage would indicate a good likelihood of downburst winds.</p>									
Llewellyn, Schuylkill County	29	11 PM EDT	0.5	20	0	0	4	0	Tornado
<p>A tornado moved through a hollow then across a highway and then hitting a house. Some trees were uprooted or snapped off, but the main damage was to the house. A large portion of the roof was torn off, a wall was pushed inward and many articles were sucked out of the house and carried away. The refrigerator and kitchen cabinet doors were sucked open and some of the contents were carried away. Large portions of the roof, pieces of the building and some of the contents were strewn along a path of more than 100 yards from the house.</p>									
<b>PENNSYLVANIA WESTERN</b>									
Western Pennsylvania	9				0	0	4	4	Heavy Rain
<p>Heavy rain over the western third of the state caused isolated reports of damage. In New Castle (Lawrence County) water knocked down the main wall of a home, dumped 4 feet of water into the basement. In Juniata Township (Bedford County) a flash flood washed away cornfields, damaged road berms, and destroyed farm machinery.</p>									
Crawford County	29	4:30 PM			0	0	4	0	Lightning
<p>Lightning from a thunderstorm struck a tree at a farm near Britton Run killing 20 cows which were huddled beneath the branches.</p>									

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<b>PUERTO RICO</b>									
Guayanilla, Yauco	10-11				1	0	6	0	Heavy Rain, Waterspout/Tornado, Thunderstorm
<p>A waterspout associated with an area of heavy rain and thunderstorms moved into the Guayanilla area of southwestern Puerto Rico about 5:15 PM on the 10th causing wind and rain damage primarily centered in the Barrios of Magas and Playa. Numerous trees, telephone poles and several small wooden buildings were blown down and considerable damage also occurred to the nearby Santa Elena Shopping Center. Heavy rains continued into the following day totaling 7.60 inches in Guayanilla. About 80 families (250 persons) were evacuated to shelters by Civil Defense. Rivers in all southwestern basins were swollen to bankfull and one man drowned in Yauco when he fell from a narrow foot bridge while trying to cross the Coayuco River. Early in the morning of the 11th thunderstorms caused additional wind damage to houses in Jardines del Caribe urbanization in Ponce and in Barrio Guaniquilla, Cabo Rojo.</p>									
Vieques Passage	10	5:00 p.			0	0	0	0	Waterspout
<b>RHODE ISLAND</b>									
					0	1	4	0	Lightning
<p>Lightning struck a crane and threw its operator to the ground. Among the six structures that were hit was a restaurant cupola, the roof of a hospital, several houses and chimneys.</p>									
<b>SOUTH CAROLINA</b>									
Berea, Greenville Co., Greenville, Greenville Co.,	2	8:30 PM	--	--	0	0	5	3	Thunderstorm Heavy Rain
<p>Rainfall more than 4 inches in a short time reported. Heavy rain over small stream in Berea area of Greenville County (tributary of the Reedy River) rose rapidly flooding 19 homes, several automobiles, and other property. Water level rose several inches or more into 1st floor of homes.</p>									
Pickens Area, Pickens Co.,	7	11:00 PM	--	--	0	0	5	3	Thunderstorm Heavy Rain
<p>Rainfall more than 4 inches in a short time reported. One home totally inundated and others flooded as water rose more than 20 feet in some places. Numerous bridges washed out, roads, and utilities heavily damaged.</p>									
Campobello Area, Spartanburg Co.,	19	3-4:00 PM	--	--	0	0	3	6	Thunderstorm, Hail Wind Lightning
<p>Thunderstorm with hail 1/4 inch to 1 1/2 inches in diameter moved southeast to Campobello area causing heavy damage to peaches and other crops (this damaging storm was a part of a general area of thunderstorms with scattered hail, lightning, and wind damage reported that moved southeast across South Carolina between 3:00 PM of the 19th and 4:00 AM of the 20th.)</p>									
South Carolina Beaches	15	4:00 AM	--	--	1	0	4	0	Tropical Depression High Tides, Gusty Winds
<p>A tropical depression moved from off central Florida northward with remnants passing across South Carolina on the 14th. Rainfall from 1 to locally more than 6 inches occurred northern coastal plain. Rough seas reported up to 13 feet, tore boat from mooring at Surfside Beach (Horry County). One person missing.</p>									
<b>SOUTH DAKOTA</b>									
Central and Eastern	15 16		?	?			4	6	Tornado, Wind Hail, Rain
<p>Heavy rain began Friday night over central and eastern South Dakota where an estimated 5-6 inch rain caused a flash flood south of Watertown, SD. Hail caused severe crop damage in Hughes County in South Dakota. Winds reported up to 60 MPH with rainfalls of 1 1/2-3 inches caused crop damage near Flandreau, SD. A tornado was reported north of Salem. Winds of 52 MPH were recorded at Sioux Falls and 50 MPH at Highmore.</p>									
Eastern	19	4-8 PM	?	?	1	0	0	0	Tornadoes, Winds, Hail
<p>A major outbreak of tornadoes occurred over the central and northern plains beginning on the afternoon of June 19th. A total of thirteen tornadoes along with damaging winds and hail of up to 2 3/4 inches was reported over South Dakota.</p>									
Pennington and Custer Counties	24	12:50 PM to 1:15 PM	?	?					Tornado, Hail
<p>A tornado was reported by the public southwest of Rapid City with golf ball sized hail.</p>									

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					KILLED	INJURED	PROPERTY	CROPS			
<b>SOUTH DAKOTA (continued)</b>											
Beadle County	24	7:00 PM					4		Hail		
									Hail of golf ball to tennis ball size covered the ground up to 3 inches, causing considerable damage to crops.		
Todd County	24						0	C	Flash Flood		
									Heavy rains fell over the Rosebud Indian Reservation area causing two earthen dams to burst and a third to weaken.		
Butte County	25	5 PM					0	C	Hail, Damaging Wind		
									Winds of tornado velocity tore through Hoover area damaging buildings and crops.		
<b>TENNESSEE</b>											
Etill Springs, Franklin County	2	10:00 p.						5	Windstorm		
									High winds lasting 5 to 10 minutes did extensive damage to property in Etill Springs in northern Franklin County. Besides extensive damage to trees, 35 homes, 18 outbuildings, and 6 mobile homes were damaged, and one mobile home was destroyed.		
Northern Knox County	2	Between 8:00 p. and 10:00 p.				2	4		Windstorm		
									Trees and power lines were downed, three mobile homes were destroyed, and two other mobile homes damaged when high winds and heavy rains swept across the northern sections of Knox County. Two children were injured when one of the mobile homes in the Rutledge Pike Mobile Home Subdivision was overturned.		
Lawrence County	21	About 6:00 a.				0	0	4	0	Lightning	
									Lightning struck the Delbert Wiley residence on Horseshoe Bend Road on Thursday morning, setting the house on fire. The fire did considerable damage to the front part of the house.		
Johnson City, Washington County	22	4:00 a. to 8:00 a.				0	0	5	0	Flash flooding	
									Approximately 2 inches of rain fell in about 4 hours over Johnson City causing considerable damage to businesses and residences. At least two dozen residents were evacuated from their homes and scores of others were picked up from vehicles inundated by flooding streams. The Big Valley Trailer Court on Knob Creek was the location of most of the evacuations, but Boone Creek, Carroll Creek, and Brush Creek were also flooding. Flooding created early morning traffic problems as several streets and highways were under water.		
Jonesboro, Washington County	22	5:30 a.				0	0	4	0	Lightning	
									Lightning struck a 100-year-old Jonesboro farm house during an electrical storm. A fire began in the upper portion of the house, but due to flooding from heavy rains in the area, firemen were hampered in reaching the fire. The house, considered a county landmark, was a total loss.		
Free Will Community, Jackson County	30	12:30 a.	2	100	2	1	4	3	Tornado		
									A tornado touched down briefly in the Seven Knobs area, near the Free Will Community in Jackson County, about 7 miles south-south-east of Gainesboro. The tornado completely destroyed one mobile home killing two occupants (father and son) and injuring the third occupant. All were believed asleep at the time of the tornado. The destruction, deaths, and injured were not discovered until 5:30 a. CST. The occupants of the mobile home were thrown several hundred feet from where the home had been sitting. Trees and power lines were also knocked down.		
Lenoir City, Loudon County	30	a.				0	0	4	0	Lightning	
									Lightning was responsible for starting fires in two homes in Lenoir City. One home was completely destroyed, and a second suffered minor damage.		
<b>TEXAS</b>											
<b>NORTHERN</b>											
Bell County	1	Afternoon					2	1	6	?	Flash Flood
											Rains of 4 to 5 inches from a series of heavy thunderstorms resulted in flash flooding in the Temple, Belton, and Salado areas. Mrs. Margot Rebovich and her son, Joe, were drowned when their car was swept off of a low water bridge which crosses Smith Creek near Salado. The Rebovich's, who were swept several hundred yards downstream, apparently attempted to cross the flooded bridge about 5 p.m. It is theorized that low visibilities from continuing heavy rain obscured their vision of the bridge.
											In Temple, a 54 year old man received minor injuries and narrowly escaped death when his car was swept off of a road over flooded Pepper's Creek. The force of the current stripped the man of everything except his shirt.
											Road damages were heavy in Bell County with some business and residential damage also occurring. Most of the high water receded shortly after dark.
Southwestern Shelby County	2	Morning				0	0	?	?		Flash Flood
											Rainfall amounts of over 5 inches produced extensive flash flooding in rural areas of southwestern Shelby County. Road damage was common in the flooded areas.
Nacogdoches area, Nacogdoches County	2	Morning				0	0	7	?		Flash Flood
											Flash flooding was extensive across the county as over 5 inches of rain fell for the second time within 3 days. Most of the precipitation fell between 3 p.m. on the 1st and 12:30 p.m. on the 2nd. The resulting flood was described as being worse than the 100-year 1975 flood. Flash flooding was particularly severe in the northeast and western portions of Nacogdoches, along Laguna Bayou and Bonita Creek. At least 400 people were evacuated from their homes within Nacogdoches. City officials estimated that 120 homes and 70 businesses received significant damage. Dollar damage to private property was estimated at 3 million, with an additional \$2 million in damage to city property and \$1 million damage to county property. Heavy damage to county roads and bridges was reported north and south of Nacogdoches. Fortunately, no deaths or injuries were reported.
Lake Stamford area, Haskell County	4	7:00 p- 11:00 p				0	0	?	?		Flash Flood
											Thunderstorm rains of 3 to 5 inches produced flash flooding along Paint Creek and around Lake Stamford. The extent of damage was not known.
Copperas Cove and Nolanville, Bell County	5	Morning				0	0	?	?		Flash Flood
											Heavy rains resulted in minor flash flooding in Copperas Cove and near Nolanville. Several roads were reportedly under water when area creeks left their banks.
Joshua area, Johnson County	5	5:25 a- 6:05 a				0	0	?	?		Flash Flood
											Highway 74 and several other roads were closed by flash flooding in the Joshua area.
Southeast Tarrant County	5	6:05 a- 9:05 a				0	0	5	?		Flash Flood
											The flash flood onslaught on North Texas continued as slow-moving thunderstorms caused flash flooding in several portions of southeast Tarrant County. Over 4.5 inches of rain forced Chambers Creek out of its banks, resulting in at least 10 flooded homes along Christie Avenue in Yveman. Flash flooding also occurred in the Forest Hill, Meadowbrook, and Dunbar areas of Fort Worth. In Arlington, overflow from Rush Creek flooded homes on Firewood Drive, Hedgeway Street, Ridge Drive, Smoldering Wood Drive, and Woodland Park Drive.
Mount Pleasant, Titus County	5	7:30 a				0	0	4	0		Rainstorm
											A downpour of over 2 inches of rain in 30 minutes caused the common roof over a drug store and a department store to collapse. No one was injured but extensive damage occurred within the two stores.
Wichita Falls, Wichita County	5	7:45 a- 11:00 p				1	0	6	?		Flash Flood
											Heavy rains began shortly after sunrise with flash flooding beginning along Holliday Creek about 7:45 a.m. Intermittent rain during the day increased the problem with McGrath and East Plumb Creeks also going out of their banks. Rufus Arteberry, 16, drowned when a boat he was riding in capsized in a drainage ditch. About 200 families were forced to leave their homes. Water damage was reported in between 50 and 100 homes with up to 4 feet of water entering some of the houses. The 5 inch rainfall was also responsible for a number of flooded automobiles and several washed out bridges. Flood waters began to recede after sunset.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1979

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>TEXAS (continued)</b>									
NORTHERN									
5 NE Palestine, Anderson County	6	10:05 a	6	75	0	0	4	3	Tornado
									The tornado touched down about 5 miles northeast of Palestine, near Lost Prairie Lake. Residents described the tornado as appearing much like a large dust whirl as it swept into the lake area. Fences, trees, and boat docks were destroyed and several homes were damaged by the tornado in the Lost Prairie Lake area. The tornado then moved northeast and uprooted trees before dissipating south of Neches.
7 S Troupe, Smith County	6	11:55 a			0	0	0	0	Hailstorm
									Marble size hail fell 7 miles south of Troupe.
4.5 S Throckmorton, Throckmorton County	6	4:35 p	4	100	0	0	3	?	Tornado
									The small tornado moved east for about 4 miles across rural country 4.5 miles south of Throckmorton. Slight damage was reported to several barns and silos.
Young County	6	4:55 p 5:30 p 4:45 p 5:45 p	9 8 30	200 400 ?	0 0 0	0 2 0	4 5 4	2 2 4	Tornado Tornado Hailstorm
									The Throckmorton County tornado storm moved into Young County at 4:40 p.m., with radar indications of a hook echo. A tornado touched down near the Proffitt community at 4:55 p.m. and moved to the north side of Newcastle. Trees were uprooted and several barns were damaged by the east-northeast moving tornado. About the time the tornado was occurring, several funnel clouds were sighted west of Graham. The second tornado apparently developed about 6 miles southwest of Jean and moved northeast to the south side of Loving. One mobile home was destroyed and the 2 residents were injured on Farm Road 1769 south of Jean. One of the injured persons received a broken collarbone. A house and barn were damaged in the same area. Several homes, a barn, and a mobile home were damaged just south of Loving in the area of Highway 16. Hail to 1 inch in diameter accompanied the storm, causing almost \$200,000 damage to wheat in central portions of Young County.
Jacksboro, Jack County	6	6:20 p			0	0	0	0	Funnel Cloud and Hailstorm
									The Young County storm produced a funnel cloud near Jacksboro. Apparently the funnel remained aloft. Marble size hail accompanied the parent storm west of Jacksboro.
Gainesville, Cooke County	6	8:20 p			0	0	?	?	Hailstorm
									Storm spotters reported 0.75 inch diameter hail in the Gainesville area.
12 SW Sherman, Grayson County	6	Evening			0	0	0	0	Funnel Clouds
									Police sighted 2 funnel clouds 12 miles southwest of Sherman.
Copper Breaks State Park, Foard County	8	1:20 p			0	0	?	?	Flash Flood
									Flash flooding resulted from several hours of heavy rain. Most low water crossings were under water in the area.
Coleman, Coleman County	8	6:13 p			0	0	4	0	Windstorm and Funnel Cloud
									Thunderstorm, straight-line winds destroyed a drive-in theater screen in Coleman. The winds also toppled trees and signs and damaged several roofs and barns. A funnel cloud was sighted 9 miles northeast of Coleman at about the same time.
Lake Kemp, Baylor County	8	8:00 p			0	0	0	0	Funnel Cloud
									Storm spotters reported that the funnel cloud did not touch down.
6 N Crowell, Foard County	8	8:00 p			0	0	0	0	Tornado
									The brief tornado was observed in open areas 6 miles north of Crowell by storm spotters. No damage could be found.
5 S Haskell, Haskell County	24	3:35 p	Short Narrow		0	0	0	0	Tornado
									Witnesses said the tornado touched down briefly about 5 miles south of Haskell. No damage was reported.
10 W Anson, Jones County	24	7:10 p			0	0	0	0	Funnel Cloud
									The funnel cloud did not touch down.
Fort Worth, Tarrant County	25	1:00 p			0	0	0	0	Funnel Cloud
									Amateur radio spotters observed a funnel aloft develop from a wall cloud that was located under the southwest quadrant of a strong thunderstorm. The funnel cloud did not touch down.
Northeast Tarrant County	25	1:00 p- 1:40 p			0	0	?	?	Windstorm and Flash Flood
									The parent storm that produced the funnel cloud resulted in minor water and wind damage in Haltom City and northeast Fort Worth. Over 3 inches of rain fell in 40 minutes in extreme eastern Fort Worth. Winds uprooted several trees in the area.

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NORTHERN									
NORTHERN Seymour area, Baylor County	25	2:00 p			0	0	?	?	Flash Flood
									Several highways in the Seymour area were closed because of flash flood waters.
5-7 S Mansfield, Johnson County	25	2:00 p			0	0	3	4	Wind and Hailstorm
									Strong thunderstorm winds and marble hail combined to produce barn and crop damage from 5 to 7 miles south of Mansfield.
4 N Bridgeport, Wise County	25	2:30 p	1	50	0	0	0	0	Tornado
									The tornado moved east in open country near Highway 101 4 miles north of Bridgeport. No damage was reported.
Nevada, Collin County	25	3:10 p			0	0	0	0	Funnel Cloud
									The funnel cloud did not touch down.
5 S Abilene Airport, Taylor County	25	3:45 p	Short Narrow		0	0	0	0	Tornado
									The brief tornado moved southeast at 10 miles per hour and dissipated, shortly after being sighted 5 miles south of the Abilene Airport. No damage resulted from the tornado.
Canton, Van Zandt County	25	4:30 p			0	0	?	?	Windstorm
									Strong thunderstorm winds downed power lines in the Canton area.
Waco, McLennan County	26	Morning			0	0	4	0	Flash Flood
									Over 3 inches of rain sent Waco Creek and drainage ditches out of their banks in northwest Waco. Several automobiles, 2 homes, and at least one business received minor flood damage.
Linden, Cass County	30	12:30 p			0	0	0	?	Windstorm
									Thunderstorm winds caused damage to numerous trees in the Linden area.
Delta and southern Lamar Counties	30	Afternoon			0	0	?	?	Wind and Hailstorm
									A severe thunderstorm moved southeast and produced scattered wind and hail damage between Sulphur Springs and Paris.
<b>TEXAS SOUTHERN</b>									
NO REPORT RECEIVED									
<b>TEXAS WESTERN</b>									
Lajitas, Brewster County	1	8:00p			0	0	5	0	Wind/Hailstorm
									A motel attendant at Lajitas reported damage to the motel and other buildings due to a severe thunderstorm. 1.65 inch rains and golfball-sized hail accompanied the storm. Winds were estimated at 80 mph. An estimated 8 to 10 inches of rain fell west of Lajitas causing flooding on Fresno Creek. Some highway damage also occurred. A camper and truck were destroyed in the flooding as well with the occupant being rescued some 7 hours later.
Hart, Castro County	2	4:30p			0	0	0	0	Funnels
									Several short-lived funnels were observed near Hart by Department of Public Safety personnel.
Presidio, Presidio County	3	5:30p			0	0	5	0	Windstorm
									A severe thunderstorm hit Presidio, destroying three trailer-houses and taking roofs off homes and a motel in the area. The strong winds accompanying the storm also damaged other trailers. Hail of unknown size and 3 inch rains accompanied the storm. There was minor flooding in the area and an unpaved road was badly damaged.
Study Butte, Brewster County	4	3:25p	6	small	0	0	4	0	Tornado
									A restaurant was damaged 10 miles north of Study Butte by a tornado. The restaurant owner reported that the tornado was accompanied by a loud roaring sound and was preceded by small hail. Large hail just to the west of the restaurant killed a large number of chickens. As the tornado proceeded eastward, it damaged a cabin and 1.5 inch hail accompanying it damaged motor homes and automobiles. One to two inch rains were reported in the area also.
Colorado City, Mitchell County	4	7:30p			0	0	5	0	Flash Flood
									Over 7 inches of rain fell at Colorado City between 2 pm and 9 pm, causing widespread flooding in the north and west parts of the City. Two bridges on the south side of town were washed out and several highways blocked. Ten persons were evacuated from low-water areas west of town. The flood waters burst the City's main waterline causing widespread flooding. Numerous cars were stalled and motorists stranded.

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WESTERN									
Reagan and Crockett Counties	4	8:00p			0	0	0	0	Flooding
									Two to four-inch rains began falling in Reagan and Crockett counties the afternoon of the 4th. Draws in the area began filling and reached flood stage at 8 pm. Some flooding of Highway 163 occurred 20 miles north and 20 miles south of Ozona.
Earth, Lamb County	5	9:57a	1/2	50	0	0	0	0	Tornado
									A large tornado was reported by the public 5 miles southeast of Earth moving northeastward at 15 miles an hour. No official confirmation of the sighting was made, but weather radar at Lubbock indicated a possible tornado in the same storm. No damage was reported.
Turkey, Hall County	5	3:15p	?	small	0	0	5	0	Tornado
									A small tornado destroyed a cotton compress in Turkey, causing \$250,000 damage. Debris was carried half a mile from the building. The walls of the structure were blown outward while an older building nearby was not damaged. 1.3 inch rains also fell in the area.
Hale and Lamb Counties	5	3:35p	25	?	0	0	3	3	Tornado
									A funnel cloud was sighted 4 miles north of Littlefield. It moved toward the east-northeast and was sighted on the ground west of Hale Center at 4:15 pm. The storm was confirmed by both Lubbock National Weather Service and Reese AFB radar along its path. The tornado then disappeared back into the parent storm. The storm produced 1.58 inches of rain and pea-sized hail at Plainview at 4:25 pm and .75 inch hail at Hale Center at 4:55 pm. Minor damage to trees, vegetation, and windows was reported.
Kerrick, Dallam County	7	10:10p			0	0	0	0	Funnels
									A series of short-lived low funnel clouds was observed by the public 6 miles west of Kerrick.
Monahans, Ward County	8	3:15p			0	0	0	0	Hailstorm
									Severe thunderstorms formed just to the west of Monahans and moved slowly toward the east. Marble-sized hail began falling 5 miles west of Monahans at 3:15 pm accompanied by 3/4 inches of rain and strong winds. Some golfball-sized hail was reported along with the smaller hail. No damage was indicated.
Slaton, Lubbock County	8	4:45p	?	?	0	0	3	0	Tornado
									A tornado was reported by a resident at the Wagon Home Mobile Village in Slaton. Very heavy rain was observed first, followed by winds estimated at 50 to 60 miles an hour. The storm destroyed 200 feet of a 7-foot high board fence, broke windows, and took the roof off a storage building.
Spur, Dickens County	8	6:45p	?	?	0	0	3	0	Tornado
									A tornado was spotted 6 miles northwest of Spur by the Spur Police Department at 6:45 pm. It moved eastward to 4 miles north-northeast of Spur by 7:02 pm and then disappeared. Along its path, the tornado tore down power lines, damaged a chicken coop and left debris from trees and vegetation on Highway 70 where it crossed the road. Winds were estimated at 45 miles an hour and heavy rain was indicated.
McLean, Gray County	22	5:37p			0	0	0	0	Hailstorm
									Extensive hail was reported to the north and west of McLean at 5:37 pm. Most of the hail was 1/2 inch in diameter with patchy reports of golfball-sized hail. The hail covered the ground west of McLean and was 4 to 6 inches deep in some locations. One to three-inch rains also fell over the area.
Andrews and Midland Counties	23	8:25p			0	0	3	0	Windstorm
									Severe thunderstorms moving through Andrews and Midland Counties produced strong winds that damaged trees and windows in Andrews County and reached 59 miles an hour in Midland County. Heavy rain accompanied the storms.
Silverton, Briscoe County	23	8:31p			0	0	3	6	Hailstorm
									Golfball-sized hail, 90 mile an hour winds, and 5.2 inches of rain accompanied a severe thunderstorm that moved from just west of Silverton across eastern Briscoe County. The winds were observed first, followed by the rain and then the hail. A few reports of hen egg-sized hail were received. Antennas were broken, fences were torn up, glass was broken and roofs were damaged. Several roads were blocked by overturned cotton trailers and one storage barn was destroyed. Several sections of cotton were damaged and trees and other vegetation were stripped bare. The area of heavy damage was centered on Silverton and ran from 5 miles north of the city to 5 miles south and had an average width of 3 miles.
<b>TEXAS (continued)</b>									
WESTERN									
Dallam and Hartley Counties	23	9:00p			0	0	?	?	Flood
									Strong thunderstorms developed at 2 pm in western Dallam County and moved very slowly southeastward. Rainfall in the City of Dalhart was measured to be slightly less than one inch. With heavier rains falling west of Dalhart on the Rita Blanca watershed, the creek rose rapidly, causing extensive flooding in Dalhart and in northern Hartley County. Underpasses and streets in Dalhart were flooded and debris was reported floating in the streets.
Dumas, Moore County	23	9:38p			0	0	0	0	Hailstorm
									Golfball-sized hail was reported by Department of Public Safety officers near Dumas. No damage was reported and no further information was available.
<b>UTAH</b>									
NONE REPORTED									
<b>VERMONT</b>									
NONE REPORTED									
<b>VIRGINIA</b>									
Charlottesville	2-3	Night			1	0	3	0	Rain
									Series of thunderstorms brought locally heavy rain that blocked several roads. One car reportedly flipped in water for a time, while another was inundated, as water reached a depth of six feet at one intersection. Investigation of an abandoned car, over a day later, resulted in the finding of the body of a woman who had apparently been swept downstream by surging waters. Basement flooding was also reported, with total damage estimated at between \$3,000 and \$5,000.
Nelson, Loudon and Rockbridge Counties	3-4				2	0	4	3	Rain
									A weak low center moved across the southern portion of the state during the two-day period and caused local flooding. Some rainfall totals in excess of 4 inches. At Natural Bridge, Rockbridge County, a mother and her two small children attempted to cross a small creek (the bridge being washed by flood waters at the time). The mother was able to reach shore after being carried a half mile, however the children were swept to their deaths several miles downstream. Several roads were closed and some small, privately-owned bridges were washed away. Some corn and tobacco crops had to be replanted in Nelson County due to flooded fields.
Newport News	11	Late morning			0	0	4	0	Rain
									Over five inches of rain in a short period caused flash flooding in the Denbigh area. Water was reported to be up to five feet deep in some sections. Over 100 patients at a nursing home had to be evacuated, along with some apartment dwellers.
Patrick County	16	Night			0	0	3	0	Wind, Rain
									Heavy thunderstorm activity downed trees and caused power outages in portions of the county.
<b>VIRGIN ISLANDS</b>									
Virgin Passage	6	4:30 p.			0	0	0	0	Waterspout
Virgin Passage	8	6:45 p.			0	0	0	0	Waterspout
Virgin Passage	11	8:20 a.			0	0	0	0	Waterspout
St. Croix	29	Morning			0	0	4	0	Heavy Rain
									An area of heavy rain showers and thunderstorms moved into the western portion of St. Croix, U.S. Virgin Islands causing urban flooding in the Mon-Bijou area and along the south coastal road. Damages occurred to roads and a small bridge. Rainfall amounts totaled 3 to 5 inches over a three to four hour period during mid-morning.
<b>WASHINGTON</b>									
NONE REPORTED									

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<b>WEST VIRGINIA</b>									
Princeton, Mercer county	21	morning			0	0	3	0	Lightning
									Lightning struck a grocery store in Princeton loosening masonry near the top of the three story building. Bricks fell to parking area below damaging a car.
Statewide	21	evening			0	0	7	7	Thunderstorms
									Strong thunderstorms rumbled across much of the state during the evening. There were numerous reports of small hail. Winds gusts to 50 mph at Charleston at 10 pm. With some of the heavier rain areas there was brief small stream and urban flooding.
Statewide	22	aftn & evening			0	0	3	3	Hailstorms
									Scattered heavy thunderstorms, mainly across the southern half of the state, accompanied by hail, strong gusty winds and torrential rains. At 4pm one half inch hail was reported at Logan with "egg size" hail at 6pm at Branchland in Lincoln county. At 11pm, Rainelle, in Greenbrier county, received "enough hail to shovel". There were numerous reports of small stream flooding and mud slides in the southwestern counties.
Nicholas county	22	6:40pm			0	0	0	0	Funnel Cloud
									State Police spotted a funnel cloud 5 miles southwest of Summersville.
<b>WISCONSIN</b>									
Western & Southern	6/4	Afternoon & Night	-	-					Severe Thunderstorms
									Numerous very heavy thunderstorms moved across western and southern Wisconsin during the afternoon and nighttime hours. Rainfall amounts of over three inches with some localized flooding was reported in the far southwest part of the state. Little damage was reported due to the heavy thunderstorms.
Iron County	6/7	11:00 PM	-	-	0	1	0	0	Lightning
									Lightning struck an individual in the head causing serious injury.
Green County	6/9	6:14 PM	2 1/2	50	0	5	6	0	Tornado
									A tornado ripped through Monroe causing extensive damage to several businesses and a residential area in the north-west part of town. Auto dealerships were the hardest hit with one dealership estimating losses at over \$100,000 while another reported a \$70,000 loss.
Oconto and Marinette Counties	6/16	10:30 AM	10	?	0	0	5	6	Severe Thunderstorm and Tornado
									A tornado touched down just west of Oconto Falls and moved northeast to two miles northeast of Ueno. At least 17 frame and mobile homes along with numerous barns were damaged or destroyed. Heavy rains and large hail accompanied the tornado destroying crops along the thunderstorm path.
Dunn County	6/16	12:30 PM to 1:00 PM	-	-	0	0	?	?	Heavy Rain
									Thunderstorms containing heavy rain fell over Dunn County in the early afternoon. The community of Colfax received three inches of rain in less than one hour, flooding streets and causing numerous power outages.
Dunn, Barron, St. Croix, Pierce, Clark, Eau Claire & Chippewa Counties	19 & 20								Severe Thunderstorms High Winds & Tornadoes
									A series of severe thunderstorms containing high winds, heavy rains and several unconfirmed tornadoes, hit a portion of western Wisconsin injuring several people, demolishing farm buildings, washing out roads and leveling trees and utility poles in several counties. Most of the damage occurred between 10:30 PM June 19 and 12:30 AM June 20. Damage estimates were not available but were extensive.
Calumet County	20	12 to 3 PM	-	-	0	1	?	?	Severe Thunderstorm
									Severe thunderstorms containing high winds, heavy rains and large hail moved through Calumet County destroying several barns, damaging a number of homes and injuring one person. Several cattle were killed when a barn collapsed on them due to high winds.
Minnebago County	20	2:45 PM	?	?	0	2	?	0	Tornado
									A tornado touched down briefly in a trailer court in Oshkosh. Several trailers were damaged or destroyed and two people were injured.
Rock County	20	3:35 PM	-	-	0	0	?	?	High Wind
									A cold front moved through the area producing high winds with some gusts over 50 mph. Power lines and trees were downed but little other damage occurred.
<b>WISCONSIN (continued)</b>									
Marinette County	20	3:30 PM	?	?	0	1	5	0	Tornado
									A tornado struck Goodman in Marinette County injuring one person and causing an estimated \$250,000 damage to a lumber mill.
Fond du Lac	20	13:00 PM	-	-	0	0	?	0	High Wind
									Officials at Fond du Lac County Airport measured a wind gust to 90 mph as severe thunderstorms moved through the area. Little or no damage was reported with the high winds.
Kewaunee County	20	4:00 PM	-	-	0	0	5	0	Lightning
									Lightning struck a home in Slovan causing a fire which completely destroyed the house.
Racine County	20	4:15 PM	?	?	0	1	4	0	Tornado
									Tornado touched down briefly in the town of Sturtevant. A number of homes were damaged, but most damage was minor. Only one minor injury occurred.
<b>WYOMING</b>									
Laramie County	14	Early Evening	?	?	0	0	0	0	Tornado
									No damage was reported with a brief tornado seen 12 miles NNE of Pine Bluffs.
Laramie County	15	8 p.	?	?	0	0	4	0	Hail
									Severe thunderstorms spread hail nearly 1-1/2 inch in diameter over much of Laramie County damaging private property as well as some 12,000 acres of winter wheat.
Campbell County	15	11:30 p.	?	?	0	0	0	0	Tornado
									A severe thunderstorm developed a tornado 3 miles south of Rozette late in the evening. The tornado was estimated only briefly to touch the ground doing no damage.
Campbell County	16	4:30 p.	15	1/2 mi.	0	0	5	0	Hail
									Severe thunderstorms near Gillette did hail damage to homes and crops about 20 miles southwest of Gillette. Hail up to 2 inches in diameter was reported.
Laramie County	16	7:46 p.	1 1/8	60	0	0	0	0	Tornado
									A tornado briefly touched down 12 miles northeast of Pine Bluffs doing no damage.
Campbell County	17	Afternoon	12	4000	0	0	5	0	Hail
									A severe thunderstorm dumped hail up to 3 inches in diameter in the Parkman area doing damage to homes and crops.
Johnson County	18	4 p.	1/4	100	0	0	0	0	Tornado
									A heavy thunderstorm near Buffalo developed 3 separate tornadoes that each only briefly touched the ground. No damage was reported.
Laramie County	26	Evening	3/4	150	0	0	0	0	Tornado
									The public reported a tornado about 9 miles northwest of Pine Bluffs that was said to remain on the ground in the same field for nearly 30 minutes. No damage was done in the open prairie area.
Johnson County	27	2 p.	1/4	100	0	0	0	0	Tornado and Hail
									A severe thunderstorm 10 miles west of Gillette was said to have golf-ball sized hail as well as two very brief tornadoes that touched the ground for a short time only. No damages were reported from this storm.
Goshen County	28	7 p.	2	300	0	0	6	0	Tornado and Hail
									Heavy damages were reported in Fort Laramie as well as nearby ranches from the severe thunderstorm that reportedly had 4 tornadoes as well as golf-ball sized hail. Numerous buildings and crops (corn, sugar beets and grain) were damaged, mostly by the hail and gusty winds.
Goshen County	28	7:30 p.	1	200	0	0	4	0	Tornado
									As the severe thunderstorm moved into Torrington the tornado caused power outages in the north portion of town but did only minor damage to other property.

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<b>MISSOURI</b>									
Buchanan, Cass, Clay, Clinton, DeKalb, Jackson, and Platte Counties	4	4-7 pm	?	?	0	0	6	4	Severe Thunderstorm
A violent thunderstorm swept through the St. Joseph and Kansas City areas, uprooting trees, downing power lines, flooding homes and streets, and inflicting much crop and property damage. The storm was triggered about 3 pm northwest of St. Joseph and drifted south to Kansas City International Airport at 5:15 and downtown at 5:45. Kansas City Power & Light Company reported that as many as 70,000 of its 330,000 customers in Kansas City suffered power outages, while Independence Power & Light reported loss of power to approximately 25,000 homes. There were also power outages in Grandview, Belton, Raytown, Liberty, Platte City, Wellington, Lee's Summit, and Blue Springs, as well as many smaller communities. This storm will probably be remembered for its contribution to the \$2.5 million damage to Kemper Arena. The combination of around 3.5 inches of rainfall in a two-hour period and the 70 mph winds clocked at Kansas City International Airport aided in the collapse of the roof of Kemper Arena which later investigations proved contained some faulty construction. In the same storm, lightning started a \$100,000 fire which destroyed a house owned by Sam Leffoon near Kearney. Just west of the Garden Point exit of I-29, strong winds flattened a barn owned by John Mason and tore the roof off a machine shed at the Steven Folk residence. Golf-ball sized hail driven by high winds raked a several-mile wide path from Clarksdale, DeKalb County, west to San Antonio. At Clarksdale, roofs were blown off several buildings and homes, and windows were broken by hail. The hail also damaged wheat, corn, and bean fields west and south of Clarksdale. In one wheat field, all that was left was stubble. Hail broke out 35 windows in the Bessie Ellison School in St. Joseph. A cooling tower for the main pipe still at the Standard Oil refinery in Sugar Creek sustained damage from flying debris, which temporarily cut the refinery's production. The Obermeyer Greenhouse located on 291 north of the Liberty Bridge was heavily damaged, when plastic and fiberglass windows were "blown flat." Plants in the greenhouse were badly damaged. Owners said the greenhouse would have to be "completely rebuilt." At the Blue Ridge Mall in Independence, a six-foot parapet wall blew down during the storm, crashing into the store's entrance to the parking lot. On Independence Square, plate glass windows were knocked out of a number of businesses. A few windows were broken at First National Bank, and heavy damage was suffered by the Salvation Army store on West Maple. Allie-Chalmers had to cancel its first-shift production Tuesday because of flooding in parts of its plant.									
Caldwell County	4	eve.	?	?	0	0	5	0	Lightning
Lightning started a fire which destroyed the former New York High School building. The wood and brick structure was built in the early 1920's and has been used as a lunch room and auditorium for the grade school since 1954.									
Raytown, Jackson County	6	6 pm	?	?	0	0	4	0	Severe Thunderstorm
With winds exceeding 70 mph, torrential rains, and lightning, the Raytown area was battered by what Kansas City Power & Light officials termed the "worst storm in six years from a physical damage standpoint." More than 70,000 customers in the Raytown area were without electricity. The hardest hit area was north of 59th St. with the area along Blue Ridge Blvd. sustaining the worst damage. Trees were uprooted, branches broken, roofs blown off, and utility wires knocked down. Lightning struck Raytown City Hall, knocking out electrical equipment. At the Blue Ridge Mall, a section of the roof of Paul's Market blew off and struck a passing car. The driver was not injured. Part of the roof on Cosentino's Thriftway was blown off, and the roof of the J.J. Newberry store at the Mall collapsed.									
Clay and Ray Counties	6	8:30 pm	?	?	0	0	3	0	Lightning
Lightning caused an estimated \$4000 to a barn on the Ray Basley farm five miles south of Lawson and an approximate \$100 damage to the Ranger Motel sign.									
Stone and Christian Counties	7	7-10 am	?	?	0	0	4	3	Flash Flood
Thunderstorms preceding a cold front which became stationary in eastern Kansas produced heavy rains ranging in amounts around four inches, flooding low areas near Crane Creek and causing a flash flood which ripped through Hurley. At Crane, damage was confined mostly to the park area. A number of picnic tables were swept away before they could be moved to higher ground and portions of the sheet metal fencing around the ball park were destroyed. The water in the ball park area reached a depth of about eight feet. At Hurley, two small, ordinarily docile streams in the west part of town turned into raging torrents, sweeping through the residential district and flooding businesses, washing bars and trucks off the road, moving buildings from their foundations, setting propane gas tanks floating, tearing central home air-conditioning units free, collapsing bridges, and washing away large amounts of hay. A barn and other outbuildings at the home of Mary Scott Harr were leveled. A '73 Pontiac Trans Am was carried 50 yards before it caught on a bridge near Homestead Park. The rushing waters spun a milk truck carrying 11,000 gallons of milk around and threw it into a ditch. Several roads were flooded, and large holes were left in the street concrete. Blacktop roads cracked and buckled. By mid afternoon, water in the city's main street was still high enough to flood pickup truck beds.									
<b>MISSOURI (continued)</b>									
Cape Girardeau County	7	3-3:30 pm	?	?	0	0	4	0	Wind
High winds caused damage to homes and downed tree limbs and power lines in the Jackson and Fruitland areas. The most severe property damage occurred in the Greenbriar Meadows Subdivision near Fruitland. There, gutters were torn loose, TV antennas blown down, and utility sheds demolished. At one home, a 103-down camper in the yard was blown onto and over the family car parked in the driveway. The glass was broken out of the front door, splattering broken glass all over the living room. A barn on the Alonzo Terr farm about 15 miles northeast of Fruitland was struck by lightning and "just exploded."									
St. Louis	8	and 1:30 pm	?	?	0	0	3	0	Wind
The high winds and heavy rain that swept through the metropolitan area took their toll on a number of trees in Forest Park. City Park and Recreational Director, Mrs. Georgia Buckowitz, said crews would be working all week to clear the park of fallen trees and debris. Downed branches and power lines interrupted electrical service to about 4500 homes for a short period.									
Lafayette County	19	8-9 pm	?	?	0	1	3	3	Severe Thunderstorm
Severe storms swept through Lafayette County causing assorted damage to houses and businesses in the area and uprooting trees. In Odessa, wind blew out windows on many local businesses, and one youth was taken to a local doctor and treated for lacerations of the leg and face, caused by flying glass. In Higginsville, marble-sized hail damaged area gardens and crops and stripped paint from parked cars.									
Nodaway County	19	ngt.	?	?	0	0	4	4	Severe Thunderstorm
Conception Abbey reported damage to its buildings from high winds. Several sections of roof, the capstone for the recreation building, and a vent on the Abbey were blown off during the storm. Extensive tree damage was also reported by the Abbey. At the Cicel Ledgerwood farm five miles west of Pumpkin Center, the barn roof blew off, crops were damaged by hail, and a tree limb broke through their dining room wall. The Ledgerwoods said much of the crops in the Pumpkin Center area were damaged by hail and there was much tree damage.									
Northeast Ripley County	20	5-8 pm	?	?	0	0	3	3	Severe Thunderstorm
Hail and high winds damaged roofs, broke windows, uprooted trees, and destroyed gardens. Crop damage over the area was generally moderate.									
Grundy County	21	11:15 pm	?	?	0	0	3	3	Severe Thunderstorm
At the Duell Binney farm southeast of Trenton, golf-ball sized hail broke all windows on the south side of the house and damaged the roof. There was some damage to buildings at the Thornton Moore residence southwest of the Binney farm. In Laredo, hail damaged corn in Berry Ishwell's garden and chipped paint off his house. Strong winds knocked tree limbs into a main transmission line between Trenton and Laredo, causing a power outage for much of the southeast part of the county.									
Linn County	21	ngt.	?	?	0	0	3	3	Severe Thunderstorm
In Marceline, high winds ripped off part of the roof on the Perry Wiggins home, broke a picture window in a home near the ball park, and felled several large tree limbs. Meanwhile, golf-ball sized hail pelted the Menon area and portions of Marceline.									
Livingston County	22	11:30 pm	?	?	0	0	4	0	Lightning
About three miles north of Chula Junction at the Lawrence Clarke farm, a large barn burned to the ground after being struck by lightning. There were 300 pigs and 2000 bales of hay in the barn. All but five pigs were saved, but all the hay was lost.									
Greene County	23	1 pm	?	?	0	0	3	0	Lightning
Nelda Hutchins was driving west toward Springfield on Interstate 44 at 1 pm when torrential rains forced her to the side of the road. Lightning struck the car and the road beside it, throwing pieces of asphalt three to four inches in diameter onto the hood of the car. Mrs. Hutchins said she didn't see the flash of light, but the noise was deafening. The lightning bolt blew the radio antenna off the hood of the car. Later she found the antenna, burnt and crinkled, next to a one-foot wide hole in the interstate pavement.									
Jasper County	23	2-3 am	?	?	0	0	5	0	Lightning
Thomas Furniture in downtown Joplin was hit directly by a bolt of lightning about 2:15, sparking a fire which destroyed the building. Firemen were able to prevent the fire from spreading to adjoining buildings. In rural Carthage, lightning struck the three-bedroom house of Steve Cooper about 2:45, starting a fire which leveled the home.									
Sedalia, Pettis County	28	12-2:30 am	?	?	0	0	4	0	Lightning
Lightning ignited five residential fires, knocked out electrical service to about 1800 city and rural residents, and touched off civil defense warning sirens when an isolated summer storm moved through central Pettis County. Lightning struck the roof of Ola Grode's home as she was asleep in her bed. Bill Blaylock, who lives across the street, broke down the door and carried the elderly woman out of the house. The house was in flames when firefighters arrived and was extensively damaged.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1979

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		
MISSOURI (continued)																				
Benton County	28	9:45 am	?	?	0	0	5	0	Wind											
<p>High winds in a thunderstorm caused thousands of dollars in damage to homes, boats and docks, and the golf course at Doc's Retreat Rescrt southeast of Warsaw. At the development's eighteen-hole golf course, there was some roof damage to some of the buildings, fences were down, and debris covered the fairways and greens. The home of John Plybon seemed to have received the most damage. A pontoon boat was blown against the side of the house, the roof was blown away, and there was extensive water damage to the interior. Falling trees broke windows and damaged boats, roofs, sundecks, and lawn furniture. The wind toppled TV antennas, demolished boat docks, blew boats ashore, and damaged roofs. On the opposite shore, there were scores of tree trunks which looked as if they'd been hicked off a few feet above the ground.</p>																				



# 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	INJURED	PROPERTY	CROPS	
<b>THE FOLLOWING ARE LATE REPORTS, CORRECTIONS, AND DELETIONS:</b>									
<b>LATE REPORTS OKLAHOMA</b>									
Granite, Greer County	30	morning			0	0	3	0	Windstorm
Winds, estimated at 75 mph, damaged the Farmers Cooperative and caused widespread tree and power line damage.									
<b>LATE REPORTS TEXAS</b>									
<b>SOUTHERN APRIL 1979</b>									
east Frio Co.	2	10:10 am	15	*5	0	0	0	0	Hail & Wind
central Atascosa Co.	2	10:35 am	30	*5	0	0	0	0	Hail & Wind
central Atascosa Co.	2	11:00 am							Funnel cloud
south Wilson Co.	2	11:15 am	5	*5	0	0	0	0	Hail
Karnes Co.	2	11:30 am	5	*3	0	0	0	0	Hail
A thunderstorm intensified just north of Pearsall at 10 am and moved east at 35 mph dumping 1/2 to 1 inch diameter hail along its path through Frio County, across Pleasanton andourdanton in Atascosa County, and across Wilson and Karnes Counties to just southwest of Karnes City. A funnel cloud aloft was spotted moving between Charlotte and Dobrofski a few miles to the southwest of the hail swath. There was no evidence that the funnel touched ground, but scattered wind damage did occur over the storm path in Frio and Atascosa Counties. Most damage was due to hail which battered cars and cut a swath across agricultural areas where winter wheat was ripening. Another storm from the same cluster developed farther east in Karnes County where it dropped large hail and produced high winds around the Gillet community. Heavy rains up to 2 inches fell in a short time also causing local flooding in each of the counties.									
east Frio Co.	2	11:40 am	15	*5	0	0	?	?	Hail
central Atascosa Co.	2	12:00 pm	30	*5	0	0	?	?	Hail
south Wilson Co.	2	12:45 pm	3	*2	0	0	?	?	Hail
Another thunderstorm developed just north of Pearsall about 11:30 am almost exactly over the same spot that a severe storm started 1 to 2 hours earlier. This second storm dropped damaging hail on Pearsall and eastern Frio County as it moved eastward. Stones up to 1 inch diameter fell across Atascosa County along the exact same path as the earlier storm. Similar hail fell in Wilson County too. New hail damage was hard to discern as the path coincided with the previous storm damage.									
Montgomery Co.	2-3	5 pm - next day			0	0	4	?	Heavy rain & Flood
Although rains were only 2 1/2 to 3 inches, extremely efficient runoff due to the already wet ground allowed parts of central and eastern Montgomery County to flood. The community of Oakridge North in the southeast part of the county had immediate flooding of streets and low areas. Peach and Cane Creeks filled up quickly and flooded roads and several low lying residences during the day Tuesday. The creeks began to subside on the 4th.									
Orange Co.	3	10:00 am			0	0	?	?	Hail
A thunderstorm moving northward at 30 mph produced 1 inch hail over northwest Orange County beginning near Vidon. Some damage to vehicles and roofs occurred in this moderately populated area.									
Fort Bend Co.	3	1:45 pm			0	0	?	?	Hail
Brazoria Co.	3	1:55 pm			0	0	?	?	Hail
Harris Co.	3	2:00 pm			0	0	?	?	Hail
Hail and heavy rains fell on the three counties as a large severe thunderstorm moved northeastward along a line of other storms. Most hail was small pea size, but stones up to 3/4 inch diameter were reported straddling the Fort Bend-Brazoria county line and extending northeastward to the city of Houston. Damage to crops in these areas likely occurred but property damage was believed minimal.									
Hardin Co.	3	5:30 pm			0	0	?	?	Heavy rain
Jasper Co.	3	5:30 pm			0	0	?	?	Heavy rain
Newton Co.	3	5:30 pm			0	0	?	?	Heavy rain
Tyler Co.	3	5:30 pm			0	0	?	?	Heavy rain
From noon till 5 pm some 3 to 4 inches of rain fell over these counties onto already very wet ground. Immediate results were the flooding of low areas and numerous roads. Several rural highways and bridges were flooded damaged and streets and neighborhoods were flooded in Evadale, Kirbyville, Sour Lake, and other towns.									
Eagle Pass, Maverick Co.	9	9:10 am			0	0	0	0	Hail
northwest Zavala Co.	9	9:30 am			0	0	?	?	Hail
southwest Uvalde Co.	9	9:30 am			0	0	?	?	Hail
A very large thunderstorm developed in Mexico and moved northeast across the Rio Grande hitting Eagle Pass. Cars, mobile homes, and gardens received a beating from 1 inch diameter hail stones. Scattered large hail occurred northeastward along the storm path through northeast Maverick County, extreme northwest Zavala County, and southwest Uvalde County. A few stones up to 1 inch diameter fell in the city of Uvalde causing isolated property damage. In Zavala Co. property damage was believed not great but crop damage was likely.									
Kimble Co.	9	4:40 pm	25	*3	0	0	?	?	Hail
Kimble Co.	9	4:40 pm	25	*3	0	0	?	?	Wind
A line of thunderstorms moved east over the county but the most severe storm cell dumped large hail and produced high wind gusts along a west-east path passing just south of Junction. Property and crop damage was minimal as the storm missed settled areas.									
<b>LATE REPORTS PENNSYLVANIA</b>									
<b>EASTERN MAY 1979</b>									
Snyder, Northumberland and Luzerne Counties	10	3 PM to 7 PM EDT			0	0	5	0	Electrical Heavy Rain
In the Hazleton and Freeland areas of Luzerne County thunderstorms caused heavy rain and some small hail 4 to 5 PM. The rain caused numerous washouts with water and/or debris blocking some roads. Lightning resulted in power outage to 350 customers. In Snyder and Northumberland Counties 2700 customers lost power for up to 8 hours from thunderstorms occurring between 3:30 PM and 6:30 PM. Lightning downed trees, tree limbs and power lines and also started a few fires. One lightning fire destroyed a barn.									
Eastern Penna.	23	7 PM to 11 PM EDT			0	0	4	0	Heavy Rain
A general rainfall had occurred during the day, then thunderstorms brought heavy downpours at night. The heavy rain caused widespread small stream and roadway flooding with considerable mud and debris washed on many roads. Quite a number of automobiles became stalled in flooded roadways, water four feet deep in some locations, and had to be towed out.									
Eastern Penna.	25	4 PM to 11 PM EDT			0	1	5	4	Heavy Rain, Wind, Hail
Thunderstorms moved across Eastern Pennsylvania adding to the rainfall of the past two days. This resulted in roadway flooding and mud slides in the northeastern part of Pennsylvania where rainfall amounts up to 2.5 inches were recorded. Over the southern two-thirds of Eastern Pennsylvania scattered severe thunderstorms occurred. They were mainly in York, Lancaster, Lebanon, Berks and Schuylkill Counties. High wind gusts uprooted or broke off trees; ripped off roofs and portions of roofs; blew down a garage, barn and building under construction; and downed power lines. One workman was injured when the building under construction went down. Two trucks were severely damaged when the roof blown off a barn landed on them. Although none of the damaging winds were recorded, they must have been quite high to account for the damage that resulted. Hail up to the size of ping-pong balls fell in Lebanon County causing some damage to roofs. The hail was up to 1/2 inch in Lancaster County. The greatest loss due to hail was in York County. Hail up to the size of large marbles caused crop damage along a path from Wiley's Station to Gatchelville. Apple and peach orchards were so damaged that the crops may be a total loss. Some wheat and barley crops were also severely damaged. The hail also broke windows, tore screens and damaged roofing and siding on houses.									
Forest City, Susquehanna County	26	7 AM to 7:30 AM EDT			0	0	0	3	Hail
Hail damaged or destroyed gardens in the area. The hail accumulated to 1 inch on the ground causing slippery conditions.									
Richland, Lebanon County	26	12:45 PM EDT			0	0	0	0	Funnel cloud
County officials observed the funnel cloud which did not cause any damage. Dime-size hail fell in the area as the funnel cloud moved off to the northeast.									

# 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	INJURED	PROPERTY	CROPS	
<b>LATE REPORTS</b>									
<b>TEXAS (continued)</b>									
SOUTHERN									
Gillespie Co.	9	5:55 pm - 7:00 pm	28	*6	0	0	5	C	Hail
Gillespie Co.	9	5:55 pm - 7:00 pm	28	*10	0	0	3	0	Wind
4 N Fredericksburg, Gillespie Co.	9	6:30 pm							Funnel cloud
<p>The severe thunderstorm moved west to east across the center of the county passing just north of Fredericksburg. Golfball size hail pelted a 5 mile wide area across the county from Harper to Willow City. Vehicles were bent, roofs damaged and some fruit knocked off peach trees. A large black funnel cloud passed over a farm on Lower Crabapple Road four miles north of Fredericksburg. High winds under the funnel caused minor damage. Large hail preceding the funnel killed some poultry. About 3/10 inch of rain fell in 15 minutes.</p>									
San Luis Pass, Galveston Co.	17	4:00 pm							Waterspout
<p>The spout was reported on the Gulf side of San Luis Pass near heavy showers. It moved northeast and did no damage.</p>									
Montgomery Co.	18	7:30 am - late night	county-wide	0	1	0	8	C	Heavy rain, Flash flood, Flood
<p>Some of the worst flooding ever to hit Conroe and all Montgomery County occurred this day. Frequent heavy rain throughout the preceding few months and weeks had left soils and streams saturated in Montgomery County. When intense rains began to fall over the area early on the 18th, water ran off high ground very fast and began to fill all available low spots eventually rising to flood previously unflooded areas. Most flooding was a direct result of the widespread heavy rainfall onto the county, but some flooded areas were made worse during the following three days as high flood waters drained down the West Fork of the San Jacinto River and various streams including Spring, Peach, and Caney Creeks. Twelve feet of water inundated some homes near Peach Creek. Overall degree of flooding was about the same as in 1973, but this time the quickness and rapidity of runoff was greater.</p> <p>Some 12 to 14 inches of rain fell around Conroe from 5:30 am to 1:30 pm. Rains of nearly 10 inches were reported in a 3 hour span around Splendora. Every spot in the county had over 5 inches of rain and most central and southeast areas had more than 8 inches.</p> <p>In east Montgomery County about 450 homes received flood damage while in Conroe another 130 to 150 were flooded. Some 800 to 1000 persons in Conroe were evacuated with another 1000 evacuated from flooded county areas. Many others were stranded in rural areas as roads flooded including IH45, Texas 105, and Farm Roads 1314, 1485, and 3083. In Conroe school had been held as usual despite the heavy rain and minor flooding already taking place as early as 7 am. As a result some 150 children were stranded in schools overnight. Several Conroe ISD schools were damaged including the high school. Many downtown Conroe businesses had merchandise and building damage also.</p> <p>Hard hit by the quick and long-lasting flood waters were the many housing subdivisions in the populous southeast part of the county. Those affected by some degree of flooding near Peach and Caney Creeks included White Oak Valley, Twin Lake Estates, Tanglewood Manor, and Peach Creek Oaks. At Patton Village, located on a small tributary stream of Peach Creek, the small earthen dam forming Patton Lake was topped by flood waters at 2:30 pm. Later on the dam crumbled allowing a sudden surge to add to flooding already occurring below the dam. A mobile home was swept away by the surge.</p> <p>Subdivisions affected near the San Jacinto River included River Plantation, Magnolia Bend, Whispering Oaks, Riverbrook, McAdams Estates, Woodlake, Lakewood, and Woodloch. West of Conroe the Deer Lodge subdivision had flooding aggravated by washout of Deer Lake dam.</p> <p>Poor driving conditions due to blinding rains over several hours followed by immobilizing build-up of water prevented most people from driving into watery hazards. Only one injury resulted as a man was washed off the road in his car. About 7 flood related heart attacks also happened.</p> <p>Flood waters pushed the West Fork of the San Jacinto River to its highest level in 39 years. Water eventually entered Lake Houston giving it a near record crest. Besides private losses, there were large public property damages due to washed out roads, bridges, pipelines, culverts, sewer systems, and flooded public buildings. Damage estimates ran at \$50 million for Conroe and \$50 million for county areas.</p>									
Conroe, Montgomery Co.	18	8:30 am			0	0	4	0	Wind
Conroe, Montgomery Co.	18	9:00 am			0	0	3	0	Lightning
<p>Lightning struck the Conroe Police Department radio transmitter during a violent rainstorm disrupting communications for a while and causing damage to electronic equipment. High winds also hit the area causing scattered roof, sign, and other damage. Trees were toppled onto power and telephone lines in southeast Conroe knocking out electrical service to many homes. Marble sized hail with the storm apparently did little damage.</p>									

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>LATE REPORTS</b>									
<b>TEXAS (continued)</b>									
SOUTHERN									
2 NW of Splendora, Montgomery Co.	18	9:30 am	4	50	0	0	5	0	Tornado
<p>The tornado was first known to touch down in a thinly populated area of east central Montgomery County near Fire Power Road and Farm Road 1485. Three mobile homes were overturned near the tornado while directly in the tornado's path large pine and hardwood trees were uprooted. The tornado is believed to have lifted as it headed east-northeast over uninhabited portions of Spring Creek. A few minutes later the tornado was observed to tear through a wooded area 2 miles west-northwest of Splendora off Highway 2090. The twister moved across the edge of Splendora Lake Estates housing development damaging two mobile homes and one brick house, tearing roofs off several frame houses as it passed near them. Fortunately none were in the tornado's direct path. Many power lines were severed, hundreds of trees uprooted, and fences pulled up.</p>									
Harris Co.	18	1:30 pm - 5:00 pm							7 Funnel clouds
<p>Several funnel clouds spawned out of northeastward moving thunderstorms including two spotted by airplane pilots northwest of Houston in the Champions area at 1:45 pm. Another was seen over the town of Spring in north Harris County at 1:30 pm. Two funnels aloft were observed over Red Bluff Road and Spender Highway by Pasadena police. Another was seen near Friendswood. About 5 pm one was reported by Civil Defense near Seabrook. Apparently none of these touched ground.</p>									
north Harris Co.	18	2:30 pm			0	2	4	0	Wind
2 NE Humble, Harris Co.	18	2:45 pm	short narrow		0	0	4	0	Tornado
<p>A small tornado skinned across a heavily forested area northeast of Humble in conjunction with severe thunderstorms moving northeast over the area. The twister wrecked a mobile home and snapped or uprooted hundreds of trees. Luckily the twisted spoked passed the edge of Woodland Hills subdivision and caused no injuries. High straight-line wind gusts occurred over a wide area from north of Houston to Lake Houston as the same parent thunderstorm moved through. The sudden gusts overturned a small metal office building in Main Street in Humble injuring a woman and a man inside.</p>									
Buckhorn, Austin Co.	18	3:00 pm	short narrow		0	0	4	0	Tornado
<p>A thunderstorm moving northeast over the county spawned a brief tornado which touched down just outside of the town of Buckhorn. An observer saw the twister lift the roof off a barn before retreating to the clouds. No persons were injured.</p>									
Liberty Co.	18-21	5 pm - continuing			0	0	0	C	Heavy rain, Flash flood, Flood
<p>Some 5 to 6 inches of rain fell around Cleveland in the northwest part of the county during the day and immediately began flooding low areas. On the evening of the 19th another 8 inches of rain fell farther south around Dayton and Liberty. Much low land flooding resulted and drainage in northwest parts of the county was hampered due to high water level downstream brought on by the second day's rain. Releases from Lake Livingston may have added to the water flow. Some 15 subdivisions in northwest and central Liberty County were affected by some degree of flooding from the East Fork of the San Jacinto River, from Tarkington and Luce Bayous, and from the Trinity River. Some reaches of the Trinity River above Liberty did not flood residences until early on the 21st when waters from the upstream rain of the 18th and waters from Lake Livingston releases combined with downstream rains of the 19th and 20th. About 800 homes and weekend cottages and 400 mobile homes were estimated to have been flooded. Considerable road damage occurred as water covered all roads around Plum Grove, closed Farm Road 834, and flooded city streets in Liberty. Debris in the Trinity River ruptured an oil pipeline four miles south of Liberty. Timberlands were not workable for weeks afterward resulting in the loss of payroll from the lumber industry to the area. Rice crops were adversely affected by the drenching action of the rain.</p>									
north Galveston Co.	18	5:00 pm							Funnel cloud
<p>The funnel aloft was seen between IH45 and State Highway 3 on Hughes Road. It never touched ground.</p>									
southern Travis Co.	18	8:00 pm - midnight			1	2	5	?	Heavy rain & Flash flood
<p>An east-west oriented area of thunderstorms over south central Texas intensified on its western end during the late afternoon. Within this area of activity, the most intense cell began dumping extremely heavy rains just southwest of Austin over Slaughter Creek watershed. Heaviest rain was about 4 1/2 inches which fell from 6:30 pm to 8:30 pm over Oak Hill community. Main property damage occurred to numerous roads in southeast Travis County which were flooded as small streams and ditches overflowed. At Brodie Lane in southwest Austin a woman was injured when her car was swept off a low water-crossing. Flood waters moved down Slaughter Creek and reached Interstate Highway 35 about 11:30 pm sending a sudden wave over the low access roads beside the main highway bridge. A man driving a pick-up truck attempted to ford the flooded low roadway through the creek bed, but the continuing rise and swiftness of the water washed the truck off the road. The man and his wife clung to a tree for a while, but the woman eventually was swept away and drowned as a group of persons on high ground nearby watched helplessly. Small hail and gusty winds accompanied the storm in Travis County but did little damage. The storm continued to intensify as it moved more quickly toward the south into Hays County.</p>									

# 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	INJURED	PROPERTY	CROPS	
<b>LATE REPORTS</b>									
<b>TEXAS (continued)</b>									
SOUTHERN									
eastern Hays Co.	18	8:15 pm	20	*10	0	0	4	?	Hail
eastern Hays Co.	18	8:15 pm	20	*10	0	0	4	?	Wind
eastern Hays Co.	18-19	9:00 pm-1:00 am			0	1	5	?	Heavy rain & Flash flood
western Caldwell Co.	18	8:40 pm	5	*5	0	0	3	?	Hail
western Caldwell Co.	18	8:40 pm	5	*5	0	0	?	?	Wind
western Caldwell Co.	18-19	9:30 pm-2:00 am			0	0	4	?	Heavy rain & Flash flood
<p>The severe thunderstorm moved slightly west of due southward across eastern Hays and western Caldwell counties accompanied by winds estimated at 60 mph, hail stones up to 1 inch diameter, and heavy rains. Five miles north of San Marcos hail and winds broke many house windows and damaged vehicles and roofs. In San Marcos similar damage was more widely scattered. Several mobile homes were damaged by wind and numerous signs blown over. Some crop damage was suffered southeast of Kyle and Buda where hail covered the ground in a few spots. At Buda rain of 3 inches in 90 minutes fell while a 6-inch total fell around San Marcos. Worst damage was caused by rapid runoff of the intense rains and resulting flash flooding. Most small streams came out of banks quickly including Onion Creek, Sink Creek, Purgatory Creek, and the San Marcos River. In Caldwell Co. flooded were Brushy Creek and Plum Creek. Public roads suffered damage and bridges were washed over. Six miles northwest of San Marcos on a branch of Sink Creek, a woman narrowly missed being drowned when the normally dry creek suddenly rose around her campsite. Flood waters from Sink Creek and Purgatory Creek arrived at the San Marcos River about midnight, only 3 hours after center of the heavy rains. Although the dramatic rise and fall of the river was said to have occurred within a 30 minute span, flash flood alarms upstream from the city had alerted authorities to the impending rise. No deaths or injuries were reported in San Marcos. Two cars were still swept off streets but the motorists escaped. Several other cars were flood damaged also. An apartment complex along the river was damaged as water 3 to 4 feet deep entered about 13 units. The storm continued southward into Guadalupe County.</p>									
Guadalupe Co.	18	10:25 pm	20	*7	0	3	5	5	Hail
Guadalupe Co.	18	10:25 pm	20	*7	0	8	6	7	Wind
Guadalupe Co.	18-19	11:45 pm-4:30 am			0	0	5	4	Heavy rain & Flash flood
<p>The severe thunderstorm weakened temporarily as it moved south of San Marcos with only scattered wind damage and hail damage in north Guadalupe County. Intense rains still fell however. The storm suddenly reintensified as it approached Seguin. Greatest damage was concentrated in a northeast to southwest band 6 miles long and 1 mile wide on the northwest side of Seguin. At Festress Road Mobile Home Court on Highway 20 1.5 mile north of Seguin, 3 people were injured when winds destroyed two mobile homes. The extreme localized wind gusts did not damage very close-by mobile homes. The injured bore additional bruises from battering by large hail when stranded in the storm after the homes broke up. Wind damage path crossed Highway 123 where signs were overturned. At the Motorola plant winds caused a section of brick wall 40 feet wide and 16 feet high to be blown inward on the north side. Two adjacent north wall sections were bowed inward but did not collapse. Next the wind hit two grain storage tanks which were blown off their foundations, one going southeast and the other traveling southwest. As the winds hit Villa Vista Trailer Park on Highway 461 1 mile northwest of Seguin, 4 mobile homes were destroyed and 2 others badly damaged. Only one of these was tied down to any extent. 5 occupants were hurt, one seriously. Seguin airfield just west of the trailer park had all east facing windows smashed by hail and wind. Extensive rain damage followed the breaking of windows. 7 small airplanes had minor damage when they weathercocked toward the east. Next an office building on IH 10 was 50 percent derofed from north winds with considerable damage from rain. A nearby fiberglass tank factory had 30 to 60 tanks knocked down and rolled away. Several were found as far as 1/2 mile to the south. The storm began to weaken quickly southwest of Seguin. Combined wind, rain, and hail damaged crops on 115 farms in the county and 10 of these farms had 100 percent crop loss. Hail was the chief factor. An average of 50 percent loss occurred to 6500 acres of sorghum, wheat, and corn. Soil erosion was caused by the intense rains.</p>									
<p>A few miles to the east of the wind and hail path, extensive flooding occurred along Geronimo Creek and Walnut Branch Creek due to sudden 4 to 5 inch rains. In Seguin 52 families were evacuated from El Apache addition along Walnut Branch as water rose into their homes. Some 30 of the low to middle income area homes had severe damage and several dozen cars in the neighborhood were ruined. Damages along flooded Geronimo Creek were not believed so bad this time.</p>									
Bexar Co.	19	2:30 pm							Funnel cloud
Wilson Co.	19	2:45 pm							Funnel cloud
Guadalupe Co.	19	2:55 pm							Funnel cloud
<p>The long, narrow funnel was observed near Galaveñas Lake in southeast Bexar County while radar simultaneously showed some indication of tornadic activity in the same storm. The funnel was well photographed by students as it moved northeastward within sight of East Central High School. The funnel's track above ground carried it over the extreme north part of Wilson County near LaVernia and into extreme southern Guadalupe County before it dissipated. It never touched ground.</p>									

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>LATE REPORTS</b>									
<b>TEXAS (continued)</b>									
SOUTHERN									
Beaumont, Jefferson Co.	19	3:15 pm							Funnel cloud
<p>The Funnel aloft formed 5 miles southwest of Beaumont Municipal Apt. and moved east without touching ground. The small rope-like funnel was seen at 3:30 pm as it passed over a residential area in west Beaumont.</p>									
Bardin Co.	19	4:00 pm			0	0	?	?	Heavy rain
<p>Afternoon rainfall amounted to nearly 4 inches by 3:20 pm over Hardin County and it was still raining. By 4 pm creeks began spilling over banks onto some roads and areas along Black Creek, Little Pine Island Bayou, Boggy Creek, Cypress Creek, and Village Creek.</p>									
south Tyler Co.	19-22	afternoon-next few days			0	0	5	?	Heavy rain, Flash flood, & Flood
<p>Most of the creeks that drain southward through south Tyler County went out of banks on the 19th due to heavy rains that fell on the 18th and again on the 19th. Because water levels were so high downstream in Hardin County following heavy rains there on the 19th, normal drainage was hampered. Not much damage occurred to private property in the county, but roads and culverts were heavily damaged. A dozen wooden bridges were washed out by the swift high waters. Some 200 miles of public roadway needed extensive repairs afterward.</p>									
Houston, Harris Co.	19	5:40 pm			0	0	4	0	Tornado
<p>A man working in a building near Clermont and Rampart heard a roar and saw a rope shaped funnel cloud drag across a neighboring building tearing its roof and removing a transformer from a pole. The funnel immediately retreated into the clouds and moved northeast.</p>									
Houston, Harris Co.	19	6:15 pm-midnight			1	?	8	C	Heavy rain & Flash flood
<p>Some parts of the city received up to 12 inches of rain, and all parts had at least 7 inches of rain between 5:30 and 10:30 pm. Virtually no rainfall soaked into the already wet ground and very little was able to drain into bayous already choked from previous days' rains. The resulting urban flooding was severe in its quickness and intensity.</p>									
<p>Because downpours started at evening rush hour, more than 1000 cars were abandoned on city streets, parking lots, and underpasses after they had stalled with flooded engines. Many of them sustained costly water damage or were completely ruined.</p>									
<p>Some of the worst hit areas were in Montrose along Brays Bayou, in Bellaire, in West University, and along Buffalo Bayou. About 500 residences were flooded throughout these areas. Some store merchandise was swept out of the shops and into the streets by unusually swift water flowing down almost flat streets. Emergency vehicles were rendered helpless as they drowned out on the way to rescues. About 20 percent of the Metropolitan Transit Authority buses received some degree of flood damage. A number of schools were flooded. Although the Texas Medical Center, which was inundated in June 1976, had damages to basement areas, flood damages this time were believed minimized due to new protection measures built around it. Rapid build-up of water caused a large roof to collapse at a shopping mall. Despite the evacuation of many people from downtown buildings by boat, only one drowning was reported. That occurred when a 14 year old boy walked too close to swollen Vance Bayou and fell in.</p>									
eastern Harris Co.	19-22	evening-next few days			0	0	8	C	Heavy rain, Flash Flood, & Flood
<p>Extreme rains which fell above Lake Houston on the 18th moved down the West Fork of the San Jacinto River and began entering Lake Houston on the 19th. This resulted in water spilling into the lower San Jacinto River below Lake Houston since the lake was essentially full before these new rises reached it from upstream. During late afternoon of the 19th, between 5 and 7 inches of rain fell directly over Lake Houston and the lower San Jacinto River immediately pushing the lake and river levels even higher. Around Lake Houston water entered parts of North Shore, Lakeside, Forest Cove, Bellue Woods, and Idleloch subdivisions. Below Lake Houston the lower San Jacinto River flooded parts of Banaha Bend and Rio Villa subdivisions and areas within the city of Highlands. The flooding began suddenly due to the combination of overhead rains and arriving river crests from upstream, but it was slow to subside and persisted for several days. From Lake Houston to the Houston Ship Channel 1500 persons were evacuated and some 500 homes had significant flood damage. Lake Houston crested at 6pm on the 19th at 49.5 feet, almost half a foot higher than the 1976 record crest. Commerce was disrupted for a while due to swift currents in the Houston Ship Channel. Evacuations had already begun before the heavy rains hit on the 19th thereby keeping down both personal property losses and possibly the death and injury toll also.</p>									



# 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	INJURED	PROPERTY	CROPS		
<b>LATE REPORTS</b>										
<b>TEXAS (continued)</b>										
SOUTHERN										
Winnie, Chambers Co.	20	4:30 pm	APRIL 1979			0	0	?	?	Heavy rain & Flash flood
										Sudden flooding of streets and neighborhoods in Winnie was brought on by heavy downpours since noontime. Extent of flood damages were unreported.
San Jacinto Co.	20	afternoon				0	0	5	?	Heavy rain & Flash flooding
										Heavy rains of 3 1/2 inches fell suddenly at midday on extremely saturated grounds in southeast San Jacinto County. Some 6 to 8 inches of rain over the previous three days had allowed streams to flood bottom lands. The extra rain of the 20th quickly brought water to low spots not previously flooded. Many subdivisions around Shepherd were isolated although the town of Shepherd itself was not flooded. Many roads were impassable and washed out, particularly around Lake Run-A-Muckland Cherry Creek subdivision. Highway 59 was closed due to water on the road. Greatest damage totals were probably to public roads and other public property.
Menard Co.	20	5:40 pm				0	0	?	?	Hail
Kimble Co.	20	6:30 pm				0	0	?	?	Wind
Mason Co.	20	7:15 pm				0	0	4	?	Hail
Mason Co.	20	7:15 pm				0	0	?	?	Wind
										A severe thunderstorm dumped 1 3/4 inch diameter hail along a path across southeast Menard County, western and central Mason County. Damages in Menard County were light since the storm hit sparsely populated areas. In Mason County golf ball size hail and strong winds hit the city of Mason damaging vehicles and roofs. Another storm to the south passed over Kimble County producing wind gusts to 60 mph and damaging some buildings.
south and west Gillespie Co.	20	6:15 pm - 8:00 pm				0	0	0	C	Hail Funnel clouds
										Slow moving thunderstorms continually increased and decreased over west and south portions of the county producing scattered hail which ranged from pea size to golf ball size. At Harper golf ball size hail probably damaged bars. At Interstate Highway 10 at North Creek hail stones stripped trees of most leaves while just south of Fredericksburg rain washed quarter inch diameter hail into drifts on Highway 16. Brief lived funnel clouds were observed over the Crabapple community at 7 pm and over Steeler Hill south of Fredericksburg about 6 pm.
Johnson City, Blanco Co.	20	6:15 pm				0	0	3	?	Lightning
										Frequent thunderstorm lightning was accompanied by gusty winds, small hail, and heavy rains. It was probably lightning strikes which caused power lines to snap and separate along Highway 281 between Johnson City and Blanco. The lightning damage in turn led indirectly to the death of a 30 year old utility company worker who was electrocuted by downed wires he was attempting to repair 7 miles south of Johnson City.
Kerr Co.	20	6:30 pm				0	0	?	?	Hail & Heavy rain
Kendall Co.	20	6:45 pm				0	0	?	?	Hail & Heavy rain
										A large severe thunderstorm moved from south of Kerrville eastward to north of Bohrne dumping large hail up to 1 inch in diameter. The hail only lasted a short while doing scattered damage. The storm became stationary over the Kerr-Kendall county line and continued to produce heavy rain which flooded low water crossings in both counties.
LaVaca Co.	20	8:00 pm	10	*3		0	0	?	?	Hail
										A severe thunderstorm developed between York and Hallettsville and moved southward over farm lands. Hail stones of 1 inch diameter fell just east of York but damage was not known.
Uvalde Co.	20	10:00 pm				0	0	?	?	Hail
Zavala Co.	20	10:15 pm				0	0	?	?	Hail
										A large severe thunderstorm moved east over north Zavala County and south Uvalde County. Hail stones over 1 inch in diameter fell along the county line. Some damage to cars was reported from the LaPryor area to Batesville. Extent of crop damages was not known.
Bexar Co.	20	10:15 pm				0	0	4	0	Wind
Bexar Co.	20	10:30 pm				0	0	4	0	Lightning
										A NE-SW oriented line of thunderstorms developed over south central Texas during the afternoon and progressed southeastward as it intensified. Extreme rains, frequent lightning, small hail, and strong winds occurred over San Antonio and Bexar County. Damaging wind gusts toppled trees, tore signs and damaged awnings and roofs. Frequent lightning strikes damaged public utility transformer devices and knocked out power to 4000 homes on the north side of San Antonio.
Batesville, Zavala Co.	20	10:30 pm								Funnel cloud
										What was first believed to be a tornado, turned out to be a well defined funnel cloud aloft on the southwest corner of a severe thunderstorm. A deputy sheriff observed the funnel during lightning flashes and followed it eastward along Highway 57 2 miles east of Batesville. There was no evidence that it had touched ground over the thinly populated area.

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>LATE REPORTS</b>										
<b>TEXAS (continued)</b>										
SOUTHERN										
Sayers community, Bexar Co.	20	11:10 pm	**1200	40		0	0	4	0	Tornado
										The small short-lived tornado hit ground in this rural area of eastern Bexar County as a line of severe thunderstorms was exiting southeastward. The short path of damage was west-to-east across open fields and a creek bed where large mesquite trees were uprooted and some fences knocked down. The funnel passed near a single mobile home at 9960 Macaway Road. Although the home was securely fastened with 17 tie-down cables, and a heavy anchoring foundation, the tornadic winds severed it from the foundation and snapped the cables. An adjacent barn was destroyed. Occupants luckily had very minor bruises and scrapes.
San Antonio, Bexar Co.	20-21	11:15 pm - 3:00 am				3	2	4	0	Heavy rain & Flash flood
										A 25 year old woman, her 1 year old son, and another 25 year old woman were drowned about midnight when the car they occupied was washed some 100 feet downstream into Salado Creek. The woman had attempted to drive through the flooded roadway where Salado Creek crosses Jones-Maltsberger Road just north of the airport. At the Salado Creek low water crossing on West Avenue two persons had slight injuries when they were barely saved from drowning in a similar incident. Flash flooding resulted throughout the city when more than 2 inches of rain fell at all locations between 10 pm and 11 pm. The worse flooding was over the north side and was mainly along Salado Creek due to 6 inches of rain which fell in less than two hours over the headwater area from Leon Springs to Shavano Park. There were at least 12 other rescues of persons from cars trapped by swift waters but no other injuries were reported. Salado Creek waters remained in its flood plain through central and south city areas and property damage was limited to vehicles. The rain storms were part of the line of storms which developed over central Texas during mid afternoon and reached San Antonio at their peak intensity. Saturated soils and flowing streams from previous recent rains contributed to the sudden runoff and flash flooding.
Webb Co.	21	12:25 am				0	0	7	?	Wind
										A severe thunderstorm intensified over Webb County and moved southeastward along the Rio Grande passing directly over Laredo. Gusts up to 63 mph were measured at Laredo Airport at 12:28 am. Scattered wind damage occurred over the city.
Starr Co.	21	2:20 am				0	0	?	?	Wind
Starr Co.	21	2:20 am				0	0	?	?	Hail
										A thunderstorm line moved southeastward through the county. Wind damage was not extensive but hail stones of 1 1/2 inch diameter battered Rio Grande city and surrounding areas producing crop and unknown property damage.
Brooks Co.	21	2:55 am				0	0	5	?	Wind
Brooks Co.	21	3:15 am				0	0	?	?	Heavy rain & Flash flood
										As a line of severe thunderstorms moved southeastward through the county, winds estimated at 80 mph caused extensive damage around Falfurrias. Several businesses in the downtown area were deroofed and much water damage then resulted to the interiors. Just northeast of town many power lines were blown down. In a short period 5 inches of rain fell outside of Falfurrias and 2 to 4 inches fell within town causing sudden flooding of roads and along creeks.
Nueces Co.	21	3:50 am				0	0	0	4	C Wind
Nueces Co.	21	4:00 am				0	0	4	0	Lightning
Nueces Co.	21	4:00 am				0	0	5	0	C Heavy rain
										Intense rains of 3 to 5 inches fell in little over an hour causing pool flooding in areas where drainage was not adequate. At Flour Bluff high water stood on roads around the Naval Air Station 3 feet deep in places. Street flooding occurred throughout the city of Corpus Christi. On Mustang Island poor drainage blocked Park Road 53 as 18 inches of standing water was unable to drain off between El Cortez and Gulf Shores condominiums. New construction in the area may have hampered natural drainage. Wind damage was scattered over the county and consisted of downed power lines, broken signs, and lifted roofing. In Corpus Christi lightning damaged power transformers and knocked out power to 2000 homes. No figures were available for impact of wind and rain on the large cotton, milo, and other grain crops in west and south Nueces County.
Baffin Bay, Nueces and Kleberg Counties	21	4:20 am				0	3	5	0	Wind
										A line of thunderstorms moved southeast to the coast accompanied by estimated 80 mph winds over the largely uninhabited Baffin Bay area and nearby Laguna Madre. Three campers in a tent on a spoil island at the mouth of Baffin Bay were injured when the high winds ballooned their tent and rolled them 150 feet along the beach. The party's 19-ft boat capsized. Another group of 12 persons was stranded when their 4 boats sank in the high winds. A 150-ft pier also was torn up by the winds. Some 18 people were rescued by helicopter the next day. Intense rains of 4 inches in a short time fell with the storm. At least 100 head of cattle were spotted drowned in Baffin Bay either as a result of pool flooding near shore, stream flooding, or else due to wave action over spoil islands during the high winds. Many other cattle were seen stranded on the small spoil islands after swimming there during the storm.

# 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	INJURED	PROPERTY	CROPS	
<b>LATE REPORTS TEXAS (continued)</b>									
SOUTHERN APRIL 1979									
Humble, Harris Co.	22	10:00 am			1	0	0	0	Flood
					Currents in the swollen San Jacinto River at the Humble Bridge caused a 40 year old man to be pulled into the water and drowned as he attempted to repair his boat.				
central Jefferson Co.	25	all day			0	0	7	6	Flood
					Heavy rain in north Jefferson County on the 18th through 21st plus later rains over central Jefferson County pushed Taylors Bayou and Bayou Din well out of banks by the 25th. Greatest damage through this area was to the rice industry. Seeds were washed away, field levees were broken, and some plantings were long delayed. Fields were inundated over the Farnett, Hamshire, and LaBelle areas. A number of farm roads were also damaged.				
Comal Co.	29	5:45 am	25	*6	0	0	5	4	Hail
Comal Co.	29	7:55 am			0	0	4	0	Heavy rain & Flash flood
Guadalupe Co.	29	6:35 am	18	*6	0	0	5	5	Hail
Guadalupe Co.	29	6:35 am	18	*10	0	0	4	0	Wind
Seguin, Guadalupe Co.	29	8:15 am			0	0	5	5	Heavy rain & Flash flood
Bexar Co.	29	8:30 am	3	*1	0	0	3	7	Hail
Bexar Co.	29	8:45 am			0	0	7	0	Heavy rain & Flash flood
					The early morning severe thunderstorms moved southeast at 30 to 40 mph from near Canyon Lake to south of Seguin covering most of Comal County and west and central Guadalupe County. Over 2 inches of rain fell within one hour at most spots with Lake Dunlap in Guadalupe County getting 2.5 inches in less than an hour. Some locations near Canyon Lake reported 2 inches in 30 minutes. Sudden rises on small creeks put water over Comal County roads while the runoff also damaged gardens and wheat crops in Guadalupe County agricultural areas. Especially hurt were fields around New Berlin. Flooding caused street and bridge damage in Seguin but did not enter any residences this time. In Comal County 1 inch diameter hail hit New Braunfels with reported 2 inch diameter just west of the city. Over Guadalupe County from Clear Springs to Marion to New Berlin 1 inch diameter hail combined with high winds to beat down stands of corn, milo, and wheat. Commercial pecans near Seguin and on Capote Road were completely stripped of leaves and new fruit. In both counties many vehicles were hail dented. The only direct wind damage reported was to an unoccupied mobile home 1 mile northwest of Seguin. In Bexar County 2 inches of rain in a very short period sent Olney, Salado, and Helotes Creeks on sudden rises. In Grey Forest Helotes Creek went over roads and into yards reportedly flooding a few homes and doing minor damage. The early Sunday morning timing prevented the usual number of motorist mishaps at low water crossings. Scattered hail stones of 1 inch diameter fell on northwest Bexar County but damage was apparently light.				
Wilson Co.	29	8:25 am			0	0	7	7	Hail & Wind
Karnes Co.	29	9:30 am			0	0	7	7	Hail & Wind
					A scattering of large hail stones and high wind gusts were reported over north and east Wilson County as a thunderstorm moved southeastward. The storm continued into Karnes County where light wind damage occurred across most of the county.				
Dobbin, Montgomery Co.	29	9:10 am			2	3	3	0	Lightning
					Two men and the horses they were riding were killed when struck by lightning. Three companions riding nearby suffered minor burn injuries. The incident happened as the group herded cattle across an open meadow during a thunderstorm.				
Victoria Co.	29	10:30 am			0	0	7	7	Wind
Victoria Co.	29	10:30 am			0	0	7	7	Lightning
Refugio Co.	29	11:00 am			0	0	7	7	Wind
Refugio Co.	29	11:00 am			0	0	7	7	Hail
					Southeastward moving thunderstorms intensified again over these counties. Wind was most significant with gusts measured at 59 mph at Victoria airport. Estimated gusts of 75 mph hit the town of Guadalupe just south of Victoria damaging roofs on a few buildings. In Victoria lightning damaged power equipment and knocked off electricity to several thousand homes. In Refugio County small hail damaged crops around Tivoli when it piled high enough to cover the ground. Scattered wind damage was also reported over Refugio County.				
northern Galveston Bay Cahambers Co.	29	2:00 pm			0	0	7	7	Wind
					A weather system produced sudden pressure changes and gave rise to strong wind gusts of 50 mph or more over northern Galveston Bay. Apparently winds were not so strong on nearby land and no mishaps occurred on the bay.				

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>LATE REPORTS TEXAS (continued)</b>									
SOUTHERN APRIL 1979									
Hidalgo Co.	29	10:35 pm	?	?	0	0	?	?	Hail
Hidalgo Co.	29	10:35 pm	?	?	0	0	?	?	Wind
Willacy Co.	29	11:10 pm	10	*4	0	0	?	?	Hail
Willacy Co.	29	11:10 pm	10	*10	0	0	?	?	Wind
Cameron Co.	29	11:45 pm	40	*4	0	0	6	6	Hail
Cameron Co.	29	11:45 pm	40	*10	0	3	6	5	Wind
Cameron Co.	30	12:30 am			0	0	5	0	Lightning
					The severe thunderstorm moved southeastward at 35 mph from northern Hidalgo County to Brownsville and into Mexico. Damage apparently was not high in Hidalgo County but became more extensive as the storm intensified more at Raymondville in Willacy County. Winds and small hail caused some damage near Raymondville. In south Willacy County near Sebastian a large hail began a 4-to-6-mile wide damage swath which continued for 50 miles. Wind damage path coincided with the hail swath although wind damage was over a wider area. Worst hit was Cameron County. At Rio Hondo 3 persons were injured when their mobile home was destroyed by wind gusts. Several other mobile homes were flipped, one house was unroofed, a grain storage facility was damaged, and metal light towers were bent over to the ground. Part of Harlingen buildings were wind damaged. Many windows were knocked out by blowing 1 to 2 inch diameter hail. Many roofs just north and east of Harlingen were severely hail battered. One small plane at Harlingen Airport was overturned. Damage path continued southeast over Brownsville where Port of Brownsville suffered damage to storage tanks. Agricultural losses due to hail were great with some cotton fields a total loss around Rio Hondo. Winds were measured at 66 mph at Brownsville International Airport and were estimated at 100 mph around Rio Hondo. Lightning caused damage to power utility equipment in Brownsville.				
<b>CORRECTIONS FLORIDA</b>									
MAY 1979									
Tampa Bay area, Pinellas, Hillsborough Pasco Counties	8	Morning- early afternoon							Heavy rain, tornadoes, wind.
					Numerous houses, buildings and mobile homes were damaged by strong winds. Nine funnel clouds and 3 waterspouts were reported; and the Tampa International Airport clocked winds 99 mph as 2 funnel clouds passed near the meteorological observatory.				
					Twelve small tornadoes touched down momentarily in the Tampa Bay area. Some of the worst wind damage occurred at the Lamplighter Trailer Park in northeast Hillsborough County where dozens of mobile homes were damaged; in Temple Terrace, Carrollwood, Cork, East Tampa, Brandon, and the Tampa International Airport area.				
<b>MICHIGAN</b>									
MAY 1979									
3 WNW Williamston, Ingham county.	11	About Moon			0	0	0*		Funnel Cloud
					* Delete damage with funnel cloud				
<b>DELETE FLORIDA</b>									
MAY 1979									
					Numerous houses, buildings and mobile homes were damaged by strong winds. At least a dozen short lived tornadoes hit the Tampa Bay area; 9 funnel clouds and 3 waterspouts were reported; and the Tampa International Airport clocked winds of 99 mph as 2 funnel clouds passed near the meteorological observatory.				
					Some of the worst wind damage occurred at the Lamplighter Trailer Park in northeast Hillsborough County where dozens of mobile homes were damaged; in Temple Terrace, Carrollwood, Cork, East Tampa, Brandon, and the Tampa International Airport area.				
0	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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