

JULY 1980

VOLUME 22

NUMBER 7

STORM DATA



"I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND IS COMPILED FROM INFORMATION RECEIVED AT THE NATIONAL CLIMATIC CENTER, ASHEVILLE, NORTH CAROLINA 28801."

Daniel B. Mitchell

DIRECTOR
NATIONAL CLIMATIC CENTER

noaa

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

ENVIRONMENTAL DATA AND
INFORMATION SERVICE

NATIONAL CLIMATIC CENTER
ASHEVILLE, N.C.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE				CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	KILLED	INJURED	PROPERTY	CROPS	
ALABAMA													
Mobile County	1	2:50p			0	0	0	0					Hail
One inch hail was reported by state police at Dog River, just south of Mobile.													
Statewide	5-19	Aftn-Aftn			120	?	?	7					Heat Wave
During a two week period, the state experienced the worst heat wave in 28 years, and in some sections the worst of record. Although previous all-time maximum temperatures were not broken in most places, many new daily records were set and the persistence of afternoon temperatures exceeding 100 degrees, combined with relatively high humidities and nighttime temperatures, produced an enormous impact on the state's people, crops, and livestock. Heat-related deaths were estimated at 120. More than 200,000 chickens died and egg production was reduced by 25 percent. The corn crop was reduced by nearly half, and the production of hay, soybeans, vegetables and other produce was severely affected. Since ground water levels were high when the heat began, only scattered, brief water shortages developed. Occasional power outages occurred during peak-load periods.													
North and East Central Counties	6	Mid aftn-late eve.			1	4	5	4					High winds, lightning, heavy rain
Severe thunderstorms developed along a cold front near the northern border and moved southward producing widespread damage from high winds, lightning strikes, and brief but heavy rainfall. Many trees were downed, resulting in power outages, blocked roads, and damage to autos and houses. Wind gusts of 50-60 mph overturned and damaged trailers, removed three-fourths of the front of the Hanceville City Hall in Gullman County, damaged roofs, and did other structural damage. Brief flash flooding occurred in some spots prone to flooding and heavy rainfall was believed responsible for a traffic accident, a few miles south of Decatur in Morgan County, that resulted in one death and four injuries.													
Selma, Dallas County	14	5:30p			1	0	2	0					Lightning
Dallas County Civil Defense reported that a man was killed by a lightning strike while standing on his front porch.													
Lawrence County	17	3:05p			0	0	0	0					Hail
Golf ball size hail was reported during a thunderstorm just south of the Champion Paper Mill about three miles north of Courtland.													
Centre, Cherokee County	17	4:40p			0	0	6	4					High winds, hail, lightning
High winds, marble to golf ball size hail, and lightning strikes in a severe thunderstorm resulted in nearly \$1 million damage in Centre and the surrounding communities of Cedar Bluff, Farrill, Willow Cove, and Wrights Bend. Most of the damage was produced by high winds. Stores in the Cherokee Plaza Shopping Center in Centre sustained damage to structures and merchandise of about \$300,000. The Centre Motel sustained structural damage of about \$25,000. Chicken houses, barns and grain bins were blown down, houses and powerlines were damaged by falling trees, and lightning started several fires. Cotton and soybean crops were damaged.													
Mellow Valley, Clay County	17	5:30p			1	0	2	0					Lightning
A 77 year old woman was struck and killed by lightning when she went outside to secure a door on a storage building.													
Ashland, Clay County	17	7:00p			0	1	5	0					Lightning
A building supply store burned to the ground after being struck by lightning. A volunteer fire fighter with the Ashland Fire Department sustained an eye injury while fighting the blaze and was hospitalized.													
Randolph County	17	8:00p			0	0	4	0					Lightning
Lightning struck an office at a chicken farm a few miles north of Wedgwood, starting a fire that destroyed the office, a cooler house, and about 400 cases of eggs.													
Holtville, Elmore County	17	9:30p			0	0	0	0					Hail
Golf ball size hail was reported by the public during a severe thunderstorm.													
Romulus, Tuscaloosa County	17	11:50p			0	0	0	0					Hail
Tuscaloosa Civil Defense reported 1 1/2 inch hail during severe thunderstorm at Romulus, in the southwest portion of the county.													
ALASKA													
Central Interior	13	1700 ADT			0	0	3	0					Severe Thunderstorm
A local severe thunderstorm in the eastern part of Fairbanks downed several large trees and power lines.													
	24	1530 ADT			0	0	4	0					Severe Thunderstorm
A severe thunderstorm moved from the east across Fairbanks between 3:30 and 4:30 PM local time. Trees and power lines were downed. Peak winds reported at the Fairbanks Airport were 48 mph.													
ARIZONA													
Tucson Pima County	19	3:04 p.			0	0	0	0					Hail, Wind, Heavy Rain
A thunderstorm with strong winds, heavy rain and hail up to 1 inch in diameter swept through the area. No damage was reported.													
Wellton Yuma County	23	3-4:00 p.			0	2	5	0					Wind, Heavy Rain
A powerful thunderstorm with heavy rain and winds estimated at 70 m.p.h. hit the area and knocked down power lines, over-turned trailers, damaged houses and farm sheds. Two women were seriously injured when the office trailer in which they were working was completely demolished.													
Hidden Valley Maricopa County	23	4:15 p.			0	0	0	0					Wind
A thunderstorm with winds up to 70 m.p.h. hit the area, about 15 miles south of Sky Harbor International Airport. No damage was reported.													
Prescott Yavapai County	25	4:48 p.			0	0	0	0					Wind, Hail, Heavy Rain
A severe thunderstorm with hail, heavy rain and wind gusting to 58 m.p.h. hit the Prescott Airport. No significant damage was reported.													
Buckeye Maricopa County	25	10:45 p.			0	0	5	0					Wind, Heavy Rain
A severe thunderstorm with heavy rain and wind up to 60 m.p.h. ripped through the area uprooting trees, over-turning mobile homes, damaging houses and downing power lines.													
Quartzsite Yuma County	30	7:00 p.			0	0	4	0					Wind, Heavy Rain
A powerful thunderstorm with very heavy rain and wind estimated at 70 m.p.h. swept through the area. Flooding closed the highway north and south of the city. One semi trailer truck was overturned by the wind, but no one was injured. There was minor damage to buildings.													
ARKANSAS													
Belleville - Yell County	18	5:30 p.	1/4	100	0	0	4	0					Tornado
A small tornado moving westward touched down. It destroyed a large farm equipment storage building and caused minor damage to several homes.													
Lowell - Benton County	21	1:00 p.			1	0	0	0					Lightning
A nine-year old girl was killed when lightning struck a tree that she was playing under.													
Near Potter - Polk County	21	Mid-Evening			0	0	4	0					Lightning
Lightning caused a fire which destroyed a barn and several hundred bales of hay.													
Jacksonville - Pulaski County	29	6:06 p.			0	0	4	0					High Winds
Thunderstorms produced high winds which damaged several businesses in Jacksonville. The Little Rock Air Force Base received a wind gust of 71 MPH.													
Little Rock Air Force Base - Pulaski County	29	6:40 p. and 7:10 p.											Funnel Clouds
The weather observer at the Base reported two funnel clouds. Movement was to the south.													
Northern Saline County	29	7:20 p.											Funnel Cloud
A funnel cloud moving southward was reported by the public.													

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

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	
CALIFORNIA									
NORTHERN & CENTRAL			NONE REPORTED						
CALIFORNIA SOUTHERN									
Los Angeles County		None reported							
Inyo County	1	16:00PDT	Flooding in Death Valley area (Jubilee Pass) a road partly washed out.						Heavy rain
Imperial County	1	1530 PDT	Imperial, Ca. reported 30 mph with gusts to 40 mph						Heavy rain and strong winds
San Diego County	23	1530 PDT	1 inch of rain fell in 30 minutes with local flooding at Scissors Crossing, approx. 8 mi E of Julian, Ca. (reported by resident)						Heavy Rain
	27	1600PDT	3/4 inch hail and 1 inch of rain reported near Julian (reported by resident)						Heavy rain and hail
	29	1600PDT	Small tornado, verified by U.S. Forest Service, near Oak Grove, in open country. Damage unknown.						Small tornado
San Bernardino Co.	23	1700PDT	Big Bear Fire Dept. reported 1/2 in. of rain. Some hail and wind damage.						Heavy rain and hail
	30	2015PDT	Raging 80 mph winds and torrential rains struck Needles, Ca., knocking down at least 45 telephone poles. An off-duty deputy sheriff was killed instantly when he was struck by lightning in the Needles area.						Heavy Rains and lightning, and strong winds.
Riverside County	26	1445PDT	Lake Hemet Camp reported 1.30 in. of rain and 1 in. hail (most fell in 1/2 hrs)						Heavy rains and hail
COLORADO									
Otero County	1	evening	0	0	3	4			Severe thunderstorms
			Severe thunderstorms caused a variety of damage in Otero County. Lightning ignited six bales of hay near Rocky Ford. Marble size hail damaged alfalfa and corn crops near Swink, and winds knocked down tree limbs and caused a brief power outage near La Junta.						
Colorado Springs	2	1530-1730	0	0	5	0			Heavy rain, lightning
			Over two inches of rain fell in eastern sections of Colorado Springs, with runoff as deep as 4 feet in some areas of town. Flooding caused extensive damage to streets, sidewalks, and storm drains. Lightning hit at least two homes, causing \$30,000 damage. In one home all the upper level ceilings and half the storm windows were knocked out.						
Pueblo	2	1447	0	0	0	0			High winds
			A gust of 61 mph was recorded at Pueblo airport.						
Fort Collins	2	1820-1945	0	0	3	3			Severe thunderstorms
			Heavy thunderstorms hit the Fort Collins area, producing 70 mph winds on the east side of town. The winds blew a tree on top of a car, causing \$1500 damage. Some spots in the area had up to 1 1/2 inches of rain in half an hour. Marble size hail damaged barley and oats just north of Fort Collins.						
Weld County	7	evening	0	0	4	?			Severe thunderstorms
			Severe thunderstorms struck Weld county around dusk. Strong winds were reported in a number of areas. A large loafing shed was blown apart near Gill, and two steers were killed near Barnesville when a mild shed was blown down. On the same farm, three trees were blown down and the roof of a loafing shed blown off, for a total damage to the farm of \$12,000. A cow shed was destroyed on another farm.						
Conifer	9	2100	1	0	0	0			Lightning
			A man was killed by lightning while watching a thunderstorm.						
Denver area	9-10	2100-0100	0	0	4	0			Severe thunderstorms
			A series of severe thunderstorms hit the Denver area, dumping heavy rain and producing a spectacular lightning display lasting for several hours. A number of homes were damaged by lightning, and local flooding occurred in some spots. Winds gusted to 60 mph at Stapleton Airport, and about half an inch of rain fell there in just ten minutes.						
Fountain	11	2000	0	0	3	0			High winds
			Strong winds knocked down power lines and trees in the Fountain-Security area.						
Windsor	12	1730-1900	0	0	3	0			High winds
			Winds up to 60 mph hit the area from Loveland to Windsor; three sheds were unroofed southwest of Windsor.						
Northern Weld County	13	1600	0	0	?	0			High winds
			80 mph winds were reported three miles east of New Raymer. Visibility in the area was briefly reduced to zero in blowing dust.						
Southern Weld County	14	1730	0	0	4	0			Hail
			Hail up to golf ball size damaged crops in the Keenesburg area. 200 to 300 acres of wheat were wiped out.						
COLORADO (continued)									
Denver area	16	1830-2000	0	0	5	0			Severe thunderstorm
			A severe thunderstorm ripped through the Denver area, producing torrential rain, large hail, and strong winds. Aurora caught the brunt of the storm, with winds of 65 mph, hail up to 1 1/2 inches in diameter, and half an inch of rain in just 10 minutes. Stapleton airport was closed for an hour. Large hail also fell in southeast Denver, Lakewood, Parker, and Castle Rock; up to 1-1/2 inches of rain fell in just 40 minutes. Heavy rains in Wheat Ridge flooded a shopping center, breaking windows and doors, while causing \$100,000 in damage. Some roofs and windows were damaged throughout the metropolitan area.						
Southern Weld County	16	2000	0	0	3	0			High winds
			Strong winds associated with a thunderstorm blew roofs off a shed and a trailer.						
Northeast Adams county	18	2115	2	30	0	0	0	0	Tornado
			The Colorado State Patrol reported a tornado near Hoyt.						
Otero, Crowley counties	20	1700-1900	0	0	3	6			Severe thunderstorms
			Thunderstorms wreaked havoc on farms in the two counties. Heavy rain caused minor flooding and washouts. Two calves drowned in the high water. Up to 2-1/2 inches of rain fell in some spots. Hail fell for as long as 30 minutes, inflicting millions of dollars of damage on corn, watermelons, and cantaloupes. Lightning struck a feeder bin northwest of Rocky Ford, starting a minor fire.						
Morgan, Washington, Logan counties	20	2045-2245	0	0	5	4			Severe thunderstorms
			Heavy rain, hail and high winds raked the three counties; the city of Sterling was especially hard hit. Hail knocked half the ceiling of a liquor store down; the inside of the building was extensively damaged. Cars, campers, and homes were also damaged by the hail, as were crops just outside of town. At Akron, 3-1/3 inches of rain fell in about one hour. High winds were a problem near Brush, damaging a barn and a hog shed and causing a power outage.						
Northeast Weld county	24	afternoon	0	0	0	?			High winds
			A gust of 70 mph was reported at Stoneham.						
Craig	24	1330	0	2	4	0			High winds
			Two workers were injured in a fall when 60 to 70 mph winds blew a piece of tin they were standing on off of the third floor of a under construction. The site sustained \$1500 damage. The wind also knocked down the frame of a house under construction and blew a tree onto another house.						
Berthoud	25	1430	0	0	3	5			Hail
			Hail up to one inch in diameter caused about \$160,000 damage to wheat and corn in the Berthoud area.						
Southern Weld county	25	1430-1600	0	0	3	6			Hail
			A violent hailstorm moved across Weld county from Dacono to Hudson, cutting a swath of crop destruction 12 miles long and 9 miles wide. Beans, corn, barley, potatoes, cucumbers, cabbage, and onions were all damaged severely, with many farmers losing most of their crops. Heavy rain with the storm caused flooding in Fort Lupton, and 60 mph winds also caused some damage.						
Dacono	25	1530	1/2	40	0	0	0	0	Tornado
			A tornado touched down briefly near Dacono and just missed a grain elevator.						
Northern Weld County	25	1800	0	0	3	3			Hail
			Hail blasted but all the windows on the north side of a house near New Raymer. Crops in the area sustained some damage.						
CONNECTICUT									SEE END OF TABLE
DELAWARE									
Northern	16	4:00 p	1	3	5	0			Wind, Rain
			Line of severe thunderstorms moved into the state causing what one spokesman termed the worst tree damage from a storm in 15 years. An employee of a tree-clearing firm was electrocuted when his chain saw hit a fallen power line near Wilmington. In another accident, a 17-year-old youth received 2nd and 3rd degree burns when he rode his bicycle over a live wire in the Southbridge section of Wilmington. In northern New Castle County a man and his wife were hospitalized with multiple injuries when a tree fell in their car. Some 30,000 homes were without power, many for 24 hours or more. Damage which includes several autos struck by fallen trees..estimated at around \$60,000.						
Smyrna	29		0	0	6	0			Rain, Flash Flood
			Torrential rain during thunderstorm activity brought some 6 to 7 inches of rainfall over the area in a 3-hour period beginning at 2AM. Flooding was especially severe in the vicinity of Lake Como where a 700-foot section of the main street was washed out or severely damaged. Several autos were stranded and occupants had to be rescued..and a nearby sandwich shop - with a 15-foot section over an eroded area - was isolated by high water. In nearby Clayton rain collapsed a portion of the roof of a manufacturing plant. At least three other roads in the Smyrna-Clayton area were under water and numerous homes reported flooded basements. Damage assessment: Bridges..\$900,000; Spillways..\$600,000; Highways..\$40,000.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

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	

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	

DELAWARE (continued)									
Note.... During the month prolonged days with temperatures in the 90s or higher caused considerable loss to the agricultural and poultry interests. Thousands of chickens succumbed to the heat.. and extended drought had significantly affected corn production and threatened the soybean crop. Monetary loss figures were not available at this time.									
FLORIDA									
Dade County		11:28AM EST			0	0	0	0	Funnel cloud
A funnel cloud aloft was reported over south Biscayne Bay.									
Hillsborough and Pinellas Counties		2:4:15PM EST			0	0	0	0	Waterspout
A waterspout was reported over the north portion of Old Tampa Bay.									
Monroe County		6:1:45PM EST			0	0	0	0	Waterspout
A waterspout was sighted 5 miles north of Key West International Airport moving toward the northwest.									
Alachua County		6:8:00PM EST	1/10	20	0	0	0	0	Tornado
A tornado was reported by Civil Defense near LaCrosse, about 12 miles north-northwest of Gainesville uprooting some trees. No injuries were reported.									
Broward County		7:3:30PM EST			0	2	3	0	Lightning
Two Margate residents were injured by lightning strikes during an afternoon thunderstorm. A woman was rendered unconscious while talking on the telephone when lightning struck and traveled through the line. Minutes later, in another area, a man was struck down by a bolt of lightning while standing on his porch. Both victims were treated by paramedics. Lightning strikes in surrounding areas caused several minor house fires and knocked out a transformer.									
Palm Beach County		8:2:28PM EST			0	0	0	0	Funnel cloud
A funnel cloud aloft was reported by the public one mile north of Royal Palm Beach moving northeastward.									
Monroe County		8:3:00PM EST			0	0	0	0	Funnel cloud.
A funnel cloud aloft was reported 10 miles north of Key West moving northeastward.									
Lee County		8:3:30PM-4:30PM EST			0	0	4	0	Wind, severe thunderstorm
A severe thunderstorm swept through the county accompanied by strong winds, heavy rain and frequent lightning strikes. Wind blew down trees and power lines and caused some damage in a mobile home area. Much of the wind damage was concentrated in the North Fort Myers area. Reports of a tornado were unconfirmed; however, wind gusts to near 50 mph were reported. There were no injuries.									
Suwannee County		12:6:00PM EST			0	0	4	0	Lightning
A large broiler house in Branford was struck by lightning during a severe thunderstorm causing a fire. The structure sustained serious damage, and about 13,000 neatly ready broilers died. Firemen were able to save a few thousand chickens and prevented the fire from spreading to an adjacent broiler house. Lightning also was attributed with killing 18 hogs and about as many dairy cattle in the county.									
Lafayette County		12-13			0	0	5	6	Hail, wind
Severe thunderstorms producing large hail, high wind, and heavy rain caused widespread crop damage in the county along with some damage to buildings. Probably hardest hit was the tobacco crop which was just about ready for harvesting again after sustaining major hail damage in May. "Egg-sized hail" was reported in Hatch Bend on July 13. Officials estimated total crop damage at over \$500,000 and damage to buildings and lightning-struck pumps at \$50,000. Adding to the farm problems, prolonged hot weather has resulted in the deaths of thousands of chickens and some cattle.									
Bradford County		14:6:15PM EST	1	20	0	2	4	0	Tornado, lightning
A tornado skipped across Lawley during a thunderstorm tearing down half a dozen 100-year-old oak trees and ripping roofs off of a barn and several sheds. One man was injured when struck by lightning as he leaned against a Lawley patrol car. The victim reported seeing a tornado skipping across the treetops and touching down in spots. He was struck by lightning after the tornado had passed. Another person was injured when a mobile home was blown over. Falling trees and limbs knocked out power and telephone service in the area. No other injuries were reported.									
Alachua County		14:6:45PM EST			0	0	0	0	Funnel cloud
A funnel cloud aloft was reported near Archer at State Road 346.									
Putnam County		14:6:55PM EST	1/10	10	0	0	0	0	Tornado
A tornado touchdown was reported by the public 3 miles east of Melrose on Highway 25 near the Alachua/Putnam county line. The tornado was moving toward the east. There were no reports of damage or injuries.									

FLORIDA (continued)									
Monroe County		15:8:10AM EST			0	0	0	0	Waterspout
A waterspout was reported by National Weather Service personnel 7 miles south-southeast of Key West moving toward the south.									
Charlotte County		15:10:30AM EST			0	1	2	0	Lightning
A construction crew member was struck by lightning while laying water pipe near Murdock. According to the foreman, the victim was returning to work after a rainstorm when the lightning struck. The force of the bolt shredded his clothing, burned his belt buckle, and blew his boots apart. Other workers more than 30 feet away were knocked to the ground. The victim received second degree burns to his chest and foot, the points of entry and exit of the lightning. He also received burns on his neck, and his hair was singed. Quick action by fellow workers and paramedics, who arrived in less than 6 minutes, saved the victim's life. He revived after receiving oxygen and further treatment in the ambulance enroute to the Hospital.									
Hillsborough County		15:Noon to 1:00PM EST			0	2	4	0	Wind, hail, funnel cloud
Widespread severe thunderstorm activity produced strong winds, hail and funnel clouds. Numerous reports of hail up to 1 inch in diameter were received for North Tampa and Temple Terrace. Strong winds blew down power lines in North Tampa and debris from trees, lumber and nail boxes were reported in the roads. A funnel cloud aloft was reported over North Tampa at 12:21 PM EST. The Tampa Control Tower reported that two flight attendants were injured aboard an aircraft on approach to Tampa around noon EST.									
Hillsborough County		15:12:30PM EST			0	0	0	0	Waterspout
A large waterspout was sighted in Old Hillsboro Bay between MacDill Air Force Base and Apollo Beach moving east.									
Hillsborough and Pinellas Counties		15:1:00PM EST			0	0	0	0	Waterspout
A large waterspout was sighted near the Howard Franklin Bridge, and numerous very heavy thunderstorms were reported in the area.									
Monroe County		15:1:15PM EST			0	0	0	0	Waterspout
A waterspout was reported by the public 5 miles north of Marathon moving toward the south.									
Pinellas County		15:1:40PM EST			0	0	0	0	Waterspout
A waterspout was sighted west of Tarpon Springs.									
Dade County		15:2:20PM EST	1/10	20	0	0	4	0	Tornado
A tornado touchdown was reported by the public in South Miami during a thunderstorm. At least one house was damaged, a car was demolished and a tree was uprooted. No injuries were reported.									
Dade County		16:5:01PM EST			0	0	0	0	Wind
A wind gust to 65 mph was observed at the National Hurricane Center in Coral Gables during a thunderstorm.									
Palm Beach County		16:7:30PM EST			0	0	0	0	Funnel clouds
Three funnel clouds aloft were reported one to five miles north of Belle Glade.									
Pinellas County		18:1:39AM EST			0	0	0	0	Waterspout
A waterspout was reported near Oldsmar in the extreme northwest portion of Old Tampa Bay. The waterspout lasted 16 minutes.									
Dade County		19:5:40PM EST			0	0	0	0	Funnel cloud
A funnel cloud aloft moving north was reported in extreme northern Dade County by the Sheriff's Office.									
Hillsborough and Pasco Counties		20:6:45PM EST			0	0	0	0	Waterspouts, funnel cloud
Observers at Tampa International Airport Tower reported several waterspouts over Tampa Bay moving toward the east. Also, a funnel cloud aloft was reported near Holiday in southwestern Pasco County by the Sheriff's Office.									
Pinellas County		20:7:10PM EST			0	0	0	0	Funnel cloud
Several funnel clouds aloft were reported off Magiera and Redington Beaches.									
Dade County		22:11:15-11:30AM EST			0	0	0	0	Funnel clouds, waterspouts
Several waterspouts and/or funnel clouds aloft were reported in the Miami area.									
Lee County		22:3:00PM EST			0	0	0	0	Waterspout
The Coast Guard reported a waterspout off Ft. Myers Beach associated with a cluster of heavy thunderstorms moving westward into the Gulf of Mexico.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

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	
FLORIDA (continued)									
Dade County	23	11:35AM EST			0	0	0	0	Funnel cloud
		A funnel cloud aloft was reported in North Miami Beach east of I-95 by the Florida Highway Patrol.							
Dade County	23	12:10PM EST			0	0	0	0	Funnel cloud
		A funnel cloud aloft was reported by the public about 5 miles southwest of Miami International Airport.							
Broward County	23	1:50PM EST			0	0	0	0	Funnel cloud
		A funnel cloud aloft was reported by the public over Ft. Lauderdale.							
Palm Beach County	24	2:30PM EST			0	0	0	0	Funnel cloud
		A funnel cloud aloft associated with increasing thunderstorm activity in the area was reported one mile north of Laxahachee moving toward the east.							
Martin County	24	3:30PM EST			0	0	0	0	Waterspouts
		Two waterspouts were sighted just off shore from the Stuart/Jenson Beach area.							
Monroe County	24	7-8PM EST			0	0	0	0	Wind
		An area of heavy thunderstorms moved through the lower and middle Keys accompanied by strong, gusty winds and heavy rain. Winds near Big Pine Key were estimated in excess of 70 mph while Key West had gusts to 48 mph. No damage was reported.							
Citrus County	25	2:30PM EST	1/10	20	0	0	4	0	Tornado
		A tornado touched down in Beverly Hills during one of numerous thunderstorms that lashed the area off and on from mid-afternoon to early evening. Most of the property damage from high winds and wind-driven debris occurred within a distance of about 2 blocks. One house sustained extensive roof damage, and a number of homes had minor roof damage. Quite a few windows were broken, and many trees were blown down. No injuries were reported.							
Brevard County	26	4:15PM EST	1/10	20	0	0	0	0	Tornado
		A tornado touchdown was reported on Merritt Island as heavy thunderstorms moved eastward through the area. There were no reports of damage or injuries.							
Broward County	26	5:25PM EST			0	0	0	0	Funnel cloud
		A funnel cloud aloft was reported over Lauderdale Lakes.							
Pinellas County	28	10:05AM-10:25AM EST			0	0	0	0	Funnel clouds
		At least 3 funnel clouds aloft were reported over the Gulf or over Boca Ciega Bay in the Seminole/Indian Rocks Beach area.							
Monroe County	30	12:29PM EST			0	0	0	0	Waterspout
		A waterspout was observed 5 miles due west of Key West International Airport.							
Pasco County	31	1:14PM EST			0	0	0	0	Wind
		A wind gust to 59 mph was measured in Zephyrhills during a thunderstorm. No damage was reported.							
GEORGIA									
Statewide	01-31	Mainly Daytime			91	?	?	8	Heatwave
		An area of high pressure entrenched over the Southeastern U. S. throughout most of the month produced temperatures much above normal for the entire state most of the month. Average daily temperatures for the month were 5 to 10 degrees above normal statewide. Temperatures climbed above the 100° mark at least 5 times in nearly all portions in the central part of the state where several readings near 110° were reported. The State Civil Defense did not keep record of the amount of deaths until July 18th by which time they concluded that 62 persons had already died. The total number of deaths for the month was 91. The most deaths (twenty) occurred in the Columbus area (Muscogee County).							
		The State Extension Office of the Department of Agriculture estimated losses to livestock, poultry, and crops at \$50 million. The bulk of the damage total was suffered by corn, hay and pasture lands. The heaviest losses were sustained in a triangular area from Athens (Clarke County) to Macon (Bibb County) to Baxley (Appling County).							
Walker County	06	2:45p			0	0	3	0	Wind
		A thunderstorm with winds gusting to 55 mph and marble-sized hail moved through Lafayette. Several large trees were toppled, some falling on, and damaging houses and cars.							
Polk County	06	3:20 p			0	0	4	0	Wind
		Sixty mph winds overturned a single engine Cessna airplane at the Cedartown Airport, and ripped an awning off a building at the airport.							
GEORGIA (continued)									
Wayne County	06	4:00 p			0	0	4	0	Wind
		Strong winds from a thunderstorm collapsed a maintenance shed and downed several large pine trees at the Pine Forest Country Club in Jesup.							
Bacon County	06	4:45 p			0	0	2	2	Wind
		Winds gusting up to 70 mph buffeted the Albia Flight Service Station during a thunderstorm. Several trees and power lines were blown down.							
Bleckley County	06	5:00p			0	0	3	3	Wind
		A downburst from a severe thunderstorm knocked out power lines, toppled trees, and took the roofs off several buildings in eastern Bleckley County, near Cary. Some crops were also damaged by the winds.							
Spalding County	06	5:25p			0	0	0	2	Wind
		Strong winds of 50 knots from a downburst knocked down several large trees in Griffin.							
Pulaski County	06	5:30p			0	0	3	3	Wind
		A downburst from a severe thunderstorm tore away a portion of the roof on a barn and lifted a chicken coop off its foundation near Hawkinsville. Several large trees and rows of corn were also flattened.							
Ware County	06	5:35p			0	0	4	0	Wind
		Winds from a strong thunderstorm damaged two mobile homes at a mobile homes sales lot on U.S. Highway 1 just south of Waycross. Power lines were also knocked down in the area.							
Troup and Harris Counties	06	6:00p			0	0	4	?	Wind
		A downburst with winds in excess of 50 knots blew the tin roof off a shop at LaGrange in Troup County as well as knocking down several trees. The same cluster of thunderstorms then moved southeast to Harris County where an amateur radio operator at Pine Mountain reported 50 knot winds with pea to marble size hail.							
Ben Hill, Irwin and Coffee Counties	06	6:10p			0	0	5	4	Wind
		Several downbursts from a cluster of very strong thunderstorms moving just east of due south inflicted heavy property and crop damage in these counties. Striking first in Ben Hill County a downburst blew the roof off a mobile home in Fitzgerald, as well as damaging the roofing (e.g. blowing shingles off, etc.) on many other homes in the town. Trees, limbs and power lines were also blown down throughout Fitzgerald and the eastern half of the County. An 8'x12' concrete sign welcoming motorists on the county line between the two counties on U. S. Highway 129 was blown completely down to the lowest concrete slab. In Irwin County, extensive property and crop damage occurred in the eastern half of the county. Pecan trees were uprooted, corn stands flattened, and tobacco fields stripped of leaves. Several barns and roofs were also damaged. In extreme western Coffee County, portions of an equipment shed were ripped apart 2 miles west of Mada. Some of the equipment inside was damaged. Another shed serving as a garage for a car was destroyed, damaging the car. Inside the strong winds also flattened corn and tobacco crops, and knocked down several trees.							
Muscogee County	06	6:15p			0	0	2	3	Wind
		Strong winds from a thunderstorm in excess of 50 knots knocked down numerous trees and did some other light property damage in the Columbus area.							
Schley County	06	6:30p			0	0	4	4	Wind
		A severe thunderstorm with strong winds uprooted over 100 large pecan trees south of Ellaville on U. S. Highway 99. One large custom utility trailer on the ground was completely destroyed, and several others damaged. Another mobile home in the area was turned over.							
Candler County	06	7:00p			0	0	4	0	Wind
		A downburst from a thunderstorm took the tin roof off, and flattened a brick wall on a shelter near Metter. Another farm shelter in the area also collapsed from the heavy winds.							
Berrien County	06	7:15p			0	0	4	3	Wind
		A strong thunderstorm moving from northeast to southwest with winds in excess of 50 knots knocked down many trees and ripped chimneys off of houses. The greatest damage occurred in the New Lois Community in the southern section of the county. Several cars there were lost or severely damaged by falling limbs and trees. Uprooted trees also landed on houses and tobacco barns, damaging them.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1960

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
GEORGIA (continued)									
Sumter County	06	7:30p			0	1	2	2	Wind
									High winds in the upper Shiloh area northwest of Americus knocked power lines and large trees. A motorist on the Vienna Road was injured while travelling on the road due to a downed telephone wire.
North County	06	9:00p			0	0	4	0	Wind
									A thunderstorm with winds in excess of 50 knots knocked down several large oak trees just north of Sumner. One of the trees landed on a home, damaging the roof and interior portions of the house. A greenhouse was also totally destroyed.
Richmond County	09	3:05p			0	0	3	0	Wind
									High winds smashed in a skylight and did some roof damage at Augusta Mall. The Augusta WSO recorded a peak wind of 46 knots.
Chatham County	10	5:05p			0	0	4	0	Wind
									Winds from a severe thunderstorm destroyed two mobile homes in a trailer park southwest of Savannah. A local newspaper carried the storm as a tornado, but on-site inspection by MIC Savannah WSO showed no definite path of a tornado, rather damage due to straight-line winds.
Appling County	11	3:30p			0	0	3	0	Wind
									High winds from a thunderstorm in the Lake Tara-Omega Cemetery area ripped the roof off of a mobile home and overturned a utility shed. Several large trees were also uprooted.
Muscookee County	12	5:15p			0	0	4	?	Wind
									A very heavy thunderstorm moved across the Columbus area with winds of 64 mph recorded at the Columbus WSO. Numerous power lines and trees were knocked down, some through houses in Columbus. A construction trailer was also overturned, and a small building collapsed.
Lowndes County	14	3:00p			0	0	3	3	Wind
									A thunderstorm with strong winds moved through the north and northwest sections of Valdosta as well as parts of northern Lowndes County. Several trees were uprooted and numerous power lines knocked down. Shingles and steps were torn off of houses, and a boat was flipped over, and damaged.
Bibb County	16	5:05p			0	0	2	?	Hail
									3/4" hail with winds gusting to 43 knots were recorded at the Macon WSO. Numerous reports of smaller hail was received from throughout the county. Widespread tree damage was also reported.
Houston County	16	6:00p			1	0	?	?	Lightning
									A man died on his tractor after being struck by lightning while he was plowing his field. The man was killed instantly when lightning struck him while he was driving a tractor in a peanut field. The incident occurred just south of Perry.
Macon County	16	6:15p			0	0	4	3	Wind
									High winds and heavy thunderstorms resulted in extreme damage to power lines due to falling limbs and trees in the Oglethorpe area. A mobile home on State Rd. 90 west of Oglethorpe suffered extreme roof damage as did the Macon Junior High Band Room.
Washington County	16	6:40p			0	0	0	?	Hail
									Golf ball size hail with high winds and severe lightning occurred in the town of Warthen. There was no apparent damage.
Chattahoochee County	16	7:30p			0	9	?	?	Wind
									Nine Ft. Benning soldiers were injured when two trees toppled by high winds landed on their tents. The soldiers were on a training exercise near Red Arrow Road when winds of 50-60 knots toppled the trees.
Whitfield County	17	3:00p			0	0	4	0	Wind
									Strong winds of 50 to 60 knots from a thunderstorm flipped a Piper Tomahawk airplane upside down at the Dalton Airport. The airplane was totally destroyed.
Gordon County	17	5:00p			0	0	4	0	Wind
									A downburst from a thunderstorm caused damage to three apartment buildings as well as broken windows and water damage at Calhoun. Also large plate windows were shattered at a hospital. In addition, numerous trees fell onto houses.
Union County	17	5:30p			0	0	4	0	Wind
									A thunderstorm with strong winds blew down trees in the county and caused considerable damage to a store in Blairsville. The roof was almost completely blown off and laid in a pile behind the store.
Spalding County	17	8:00p			0	0	3	3	Wind
									High winds from a severe thunderstorm struck the Griffin area along with marble-size hail. Most of the damage was due to limbs and trees falling onto houses and buildings.

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
GEORGIA (continued)									
Troup County	17	8:45p			0	2	4	0	Wind
									Strong winds from a thunderstorm in LaGrange sent an oak tree crashing into a house, piercing the living room ceiling, injuring two people. Additional water damage also occurred due to the hole in the roof.
Clarke County	17	9:00p			0	0	2	0	Wind
									Heavy thunderstorms moved through the Athens area blowing over power lines and trees. The Athens WSO reported 45 knot winds as well as 1/4" hail.
Lamar County	17	8:30p			0	0	4	0	Wind
									A strong thunderstorm moved through Barnesville knocking down trees and limbs, as well as scattering much debris. One large oak tree fell on top of a house, damaging the roof. A lightning strike against a metal structure causing a short circuit, which resulted in a gas line in the road igniting. The line was closed off later that evening, and did no damage.
Calhoun County	18	7:45p			0	0	3	0	Wind
									High winds from a strong thunderstorm hit the Arlington area at dusk blowing down various limbs and trees. The most damage occurred when the wind took a cotton trailer and blew it across the ground, depositing it on some railroad tracks. Also, several awnings were damaged by the strong winds.
Elbert County	24	7:30p	short	20	0	0	3	0	Tornado
									A small tornado touched down in the Indian Hill area near Elberton, uprooting several trees. One of the trees fell on top of a parked Volkswagen, crushing the car. Direction of movement unknown.
Richmond County	26	8:05p			0	0	2	0	Wind
									Locally very strong winds occurred with a thunderstorm at Augusta's Bush Field Airport. The Augusta WSO recorded a gust of 60 knots. The strong winds were confined to the vicinity of the airport. Damage was slight, with only a hangar door being blown down.
HAWAII									NONE REPORTED
IDAHO									SEE END OF TABLE
ILLINOIS									
Southern portion	2	1pm-11pm			2	4	7	5	Wind and Rain
									Thunderstorms with very strong and gusty winds moved through the southern part of the state during the afternoon and lasting into the evening hours. Winds gusting to 86 knots caused havoc in the area as buildings, homes, and farm out-buildings were damaged or destroyed. Trees were uprooted crushing roofs, cars, and breaking power lines. At 3:38pm a 70 knot wind was reported near Harrison in Jackson county and at 4:25pm a 70 knot wind was reported at the Williamson County Airport. The powerful winds blew trees across highways and as power failures began several towns were isolated. The greatest damage occurred along a path from Chester, Randolph county, to Harrisburg in Saline county. A church was destroyed along with many barns. A radio tower was blown over in Marion, Williamson county. High winds and heavy rain killed 600 head of livestock in Frank in county. Up to 6 inches of rain caused some flooding. A young girl drowned in Lake Kinkaid in Murphysboro, Jackson county, when a boat overturned. In Jappa, Massac county, a man was killed when he was blown off his roof while clearing it of debris. About 200 coal miners were trapped underground when the power failed stopping the elevator and allowed some debris to fall in the shaft. More than 1,000,000 acres of crops were severely damaged or destroyed by the wind and very heavy rain. Four persons in this area were slightly injured by flying debris.
Northeastern section	4	evening			0	0	4	0	Wind
									Gusty winds that accompanied thunderstorms moved across the north-east section during the evening. Trees were uprooted and fell on power lines and damaged cars. Power failures were common.
Entire state	5	12am-8am			1	11	7	5	Wind and Rain
									Scattered thunderstorms continued to move into the northern part of the state as well as other sections during the early morning. Winds as high as 63 knots were reported throughout the north and in the extreme south. At 12:45pm Rozetta, Henderson county, reported a peak wind gust of 52 knots. At 1:11am a 65 knot wind was recorded at the Quad City Airport in Rock Island County, at 1:40am a 52 knot wind was reported at Galva, at 2:05am a 58 knot gust of wind occurred at Pleasant Valley in Henry county, at 2:52am a 63 knot wind was recorded at De Kalb in De Kalb county, at 3:30am a 56 knot wind was recorded at the O'Hare International Airport in Cook county, and at 4:05am a 52 knot gust of wind was reported in Hoopston in Vermilion county. The strong winds uprooted trees which crushed cars and roofs, broke power lines, destroyed farm out-buildings, and overturned many mobile homes. Near Quincy in Adams county several mobile homes and a camper-trailer overturned injuring 2 persons with flying debris. In Jacksonville, Morgan county, 17 mobile homes overturned and other homes were severely damaged. In Clinton, Henry county, 1 person was injured when a mobile home overturned. The high winds and torrential rain killed

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

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	
ILLINOIS (continued)									
									1,000 hogs in this county. In Goddfeld, Woodford county, 1 person was injured when a mobile home overturned. Near New Windsor, Mercer county, an uprooted tree injured a camper. A 300 foot long and 50 foot wide corn field was flattened by the wind near Colfax in McLean county. In Kewanee, Henry county, a large roof was blown off a school and in Neponset, Bureau county, a tree crushed a home. Another falling tree crushed a pick-up truck in Medora in MacCain county, and trees also crushed tombstones in a nearby cemetery. A car going along a dark road near Princeton in Bureau county hit a tree that had fallen on the road injuring 5 persons. In Niles, Cook county 60 trees were uprooted and in Northbrook a four car brick garage was flattened destroying several cars. A boy was killed in Skokie when he touched a live power line that had blown down. In Carbondale, Jackson county, and in Marion, Williamson county, roof damage was extensive. A truck and a car were destroyed when a nearby roof was blown on them. Wide-spread power failures lasted as long as 19 hours. Many crops were damaged or destroyed.
Gurnee, Lake county	5	8:50am			0	0	4	0	Lightning
									Lightning struck a home causing a fire.
Entire state	9	3am-8am			0	0	6	4	Wind
									Thunderstorms with winds as high as 65 knots moved over scattered sections of the state. However, most of the major damage was confined to the northern and southern portions of Illinois. At 4:40am a 65 knot wind was reported at Woodstock in McHenry county, at 5:00am a 58 knot gust was reported at Plano in Kendall county, at the same time Marseilles in LaSalle county reported a wind gust of 51 knots, and at 5:08am Aurora in Kane county reported a wind of 58 knots. Trees were uprooted and caused damage to cars and homes. Power failures were common, especially in the northern areas. The southern sections also received the same type of destruction. In Eldorado and Harrisburg, Saline county, major damage occurred to buildings, trees, and farm out-buildings. Severe window damage in these two towns was due to the powerful wind.
Dongola, Union county	9	early morning			0	0	4	0	Lightning
									Lightning struck a barn during the early morning hours causing a fire. The barn, machinery, and other materials were destroyed. One bull was killed.
Lake county	9	early morning			0	0	4	0	Lightning
									Near Fox Lake a home was struck by lightning causing a fire. The home was destroyed.
Auburn, Sangamon county	10	5:00am	1.5	18	0	0	5	0	Tornado
									A tornado first touched the ground 2 miles west of Auburn. As it traveled from northwest to southeast, it destroyed 8 of the 10 grain bins at a grain operation. The tornado also destroyed other equipment.
Northern section	16	2am-4am			0	3	7	5	Wind
									Thunderstorms with winds as high as 70 knots moved across northern Illinois causing havoc. Buildings, and homes were destroyed, many trees were uprooted, and power failures occurred over a wide-spread area. At 2:00am Freeport in Stephenson county reported a 52 knot gust, at 2:10am the Quad City Airport reported a 57 knot wind, at 2:25am a 55 knot wind was reported at Woodstock in McHenry county, at 2:29 a 67 knot gust was recorded at the Greater Rockford Airport in Winnebago county, at 3:10 a 53 knot wind was reported at the DuPage County Airport, and at 3:18am the O'Hare International Airport in Cook county recorded a wind gust of 66 knots. Very severe wind damage occurred from Hoffman Estates eastward to Evanston and southwestward to Oak Lawn in Cook county. An industrial complex in Elk Grove suffered \$750,000 in roof damage. The roof of the Rosemont Fire Station was torn off and part of the roof at the National Weather Service Office in O'Hare International Airport was blown off. Windows blew out and roof damage occurred at the O'Hare Exposition Center in Rosemont. Two small planes at O'Hare International Airport were overturned. A priest was injured when the roof of the rectory caved in on the south side of Chicago. A large piece of aluminum siding from a construction site in downtown Chicago flew into a nearby office building and broke a window. In Lombard, DuPage county, four large apartment buildings and another building were destroyed. In the 4 apartment building complex 379 persons had to be evacuated as flying debris injured 2 persons. \$1,000,000 damage occurred to this complex. A piece of debris flew through a wall of a nearby home. Parked cars in the area were damaged or destroyed and some were overturned. Uprooted trees fell across roads and highways blocking transportation. Heavy rain flooded some low-lying areas and damaged the inside of buildings that had suffered roof damage. Some crop damage was reported due to the strong winds.
Hampshire, Kane County	16	2:55am	1.4	440	0	0	5	4	Tornado
									A tornado traveled slightly over 1 mile from the northwest to southeast. It first touched down near Allen Road north of Hampshire and destroyed trees, power lines, and roofs. The trees were broken off 7 to 8 feet above the ground. Barns were blown off their foundations and 2 52-foot tall corrugated metal silos were destroyed. 48,000 pounds of grain were lost.

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	
ILLINOIS (continued)									
Northern sections	20	9pm-11pm			0	0	5	4	Wind and Hail
									Thunderstorms with high winds and hail moved across the northwest portions of the state during the evening hours. At 9:15pm the Quad City Airport in Rock Island county reported a wind of 53 knots, at 9:37pm Tolton in Stark county reported a 61 knot wind, and Woodstock reported a 53 knot wind. Hail from 1/2 of an inch to 1 1/2 inches in diameter was reported near Woodstock and other areas of McHenry County. Trees limbs were blown down and power failures were again common. Some crop damage occurred due to the wind and hail. Local heavy rain caused minor flooding.
Northeast area	21	early morning			0	0	5	4	Wind and Lightning
									Strong winds continued to cause damage as thunderstorms continued to move across the northeast section. From 2:30am to 3:30am Midway Airport in Chicago, Cook county, reported wind gusts of 70 knots. Several small airplanes overturned and were damaged. Lightning struck several power transformers causing power failures. One mobile home was blown 3 feet off its foundation in Millington, Kendall county. Trees were damaged throughout the area and heavy rains caused flooding.
La Grange, Cook county	21	early morning			0	0	4	0	Lightning
									Lightning struck a TV antenna causing the TV to explode and starting a fire in a wall. Another home in the area was also struck by lightning causing a fire in the wiring system.
INDIANA									
Evansville Vanderburgh County	2	430P	-	-	0	0	?	?	Hail 5/8" - 1 1/2"
Evansville Vanderburgh County	2	447P	-	-	0	0	?	?	1 1/2" hail
Vincennes Knox County	2	505P	-	-	0	0	?	?	1" hail Severe lightning
									Lightning struck a church extensive damage.
Southern Franklin Co.	2	505P	-	-	0	0	?	?	Possible funnel
4 N Greensburg Decatur County	2	Evening	-	-	0	0	?	?	Hail 1 3/4"
Evansville Vanderburgh County	2	610P	-	-	0	0	?	?	Flooding
									Heavy street flooding, over 4" of rain fell.
Mt. Vernon Posey County	2	620P	-	-	0	0	?	?	Wind, flood
									Winds up to 80 mph. Trees down, streets flooded.
Evansville Vanderburgh County	2	625P	-	-	0	0	?	?	Flood, wind
									Winds 70-80 mph. Heavy downpours. Waters up to 5' in some spots of the city. City Police report their cars unable to move. Lots of flooded basements.
Evansville Vanderburgh County	2	820P	-	-	1	0	-	-	Flooding
									Four year old girl swept into sewer and drowned.
12 NW Fowler Benton County	5	500A	3/8	Less than 100	0	0	?	?	Wind
									401 x 70' barn lifted, poles and all, and deposited 250' to the east. Garage lifted over house and deposited 50' east/southeast of house. 6' x 6' beam driven through house. Steel windmill twisted one full turn and downed. Tree twisted and uprooted.
Lake County	5	505A	-	-	0	0	?	?	Funnel cloud
Michigan City LaPorte County	5	518A	-	-	0	0	?	?	Wind
									Trees/power lines down.
Rensselaer area Jasper County	5	522A	-	-	0	0	?	?	Wind
									Trees uprooted, power lines down, cars damaged.
4 S Crawfordsville Montgomery County	5	525A	-	-	0	0	?	?	Wind
									Trees "shattered". Power lines down.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

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	
INDIANA (continued)									
Sheridan Hamilton County	5	530A	-	-	0	0	?	?	Wind
									Large limb of tree demolished mobile home. Other houses damaged by falling trees. Wind estimated 60 mph.
6 1/2 N LaPorte LaPorte County	5	540A	?	?	0	0	?	?	Funnel cloud
									Possible touchdown reported by State Police
Warsaw Kosciusko County	5	600A-630A	-	-	0	3	?	?	Wind
									"Millions" of dollars worth of damage. Winds greater than 60 mph. Trees/power lines down. Possible funnel cloud touching tree tops. Injuries: man with leg injury, man and wife with cuts. Autos damaged/destroyed. Tree tops clipped. Homes damaged. "Swirling like a hurricane".
Wakarusa Elkhart County	5	600A	-	-	0	0	?	?	Wind
									"Thousands" of trees down. Barn exploded, killing 18 of 54 registered holstein cattle. Loss of barn, etc. - \$75,000. Cattle loss additional \$3,000 apiece. Many outbuildings destroyed/damaged. Trailer homes damaged.
NE of Elkhart Elkhart County	5	600A	?	?	0	0	?	?	Tornado
									\$400,000 damage. Four homes destroyed. Three people injured. "Sounded like a freight train". Swirling rain. Lots of trees reported down all over the county.
Elkhart Elkhart County	5	600A	?	?	0	3	?	?	Tornado
									Four homes destroyed. Fifteen homes damaged. Winds up to 80 mph. Three minor injuries (cuts). Damage estimated \$250,000 - \$300,000.
Indianapolis Airport Marion County	5	603A	-	-	0	0	?	?	Wind
									Wind gusts to 58 mph reported at airport.
Wilkerson Hancock County	5	613A	-	-	0	0	?	?	Wind
									House damaged due to "shattered" trees falling on it.
Maxwell Hancock County	5	613A	-	-	0	0	?	?	Wind
									Trees uprooted.
South Bend St. Joseph County	5	614A-630A	-	-	0	0	?	?	Funnel cloud, wind
									Trees/power lines down. Damage to homes, cars, etc., - \$2,000,000.
S Whitley area Whitley County	5	615A	-	-	0	0	?	?	Wind
									Wind 70 mph. Barns and other buildings destroyed or damaged.
Pierceton Kosciusko County	5	615A	-	-	0	0	?	?	Wind
									Power lines/trees down. Cars smashed. Loss of "cut" trees in woods estimated \$6,000. Wind up to 60 mph.
Osceola St. Joseph County	5	615A	-	-	0	0	?	?	Wind
									Winds 55-60 mph.
Rome City Noble County	5	620A	-	-	0	0	?	?	Wind
									Twenty-five large trees blown down at Sylvan Lake Country Club. Several boats and a house damaged from uprooted trees.
Henry County	5	620A	-	-	0	0	?	?	Wind
									Trees/power lines down.
Howe, Walcottville LaGrange County	5	630A	-	-	0	4	?	?	Wind
									\$500,000 property damage. Four persons with minor injuries. Wind in excess of 70 mph. Tree blown on trailer. Many trees down. Many houses/mobile homes severely damaged. Two injured when tree fell on mobile home.
INDIANA (continued)									
Fort Wayne Allen County	5	630A	-	-	0	0	?	?	Wind
									Trees/power lines down. Winds 67 mph. 2 homes destroyed, 14 homes heavily damaged, 63 with minor damage; 4 mobile homes destroyed, 3 heavily damaged, 37 slightly damaged. Several businesses damaged.
Columbia City Whitley County	5	630A	-	-	0	1	?	?	Wind
									Trees/power lines down. Minor injury to one person. Mobile homes destroyed/severely damaged. Roofs damaged by wind or falling limbs. Roads blocked because of falling limbs/trees. Cars damaged. Winds up to 80 mph.
Anderson Madison County	5	643A	-	-	0	0	?	?	Wind
									Winds 60mph.
Fort Wayne Allen County	5	645A	-	-	0	0	?	?	Wind
									Extensive damage throughout the city. Winds up to 80 mph. 200-ton crane 480' long toppled over.
Bluffton Wells County	5	645A	-	-	0	0	?	?	Wind
									Lots of trees/limbs down. Power outages. Wind 68 mph officially and up to 80 mph from other reports. Homes and cars damaged due to falling limbs/trees.
Indianapolis Marion County	5	630A-600A	-	-	0	0	?	?	Winds
									Trees/power lines down from earlier winds.
Decatur Adams County	5	650A	-	-	0	0	?	?	Wind
									Winds up to 70 mph. Trees/power lines down. House/autos damaged by falling trees.
Rushville Rush County	5	700A	-	-	0	0	?	?	Wind
									A number of trees "shattered".
Richmond Area Wayne County	5	700A	-	-	0	0	?	?	Wind
									Trees/power lines down. Cars destroyed/damaged.
Winchester area Randolph County	5	700A	-	-	0	0	?	?	Wind
									Falling trees damaged 2 houses and 2 cars.
Plymouth Marshall County	5	Morning	-	-	0	2	?	?	Wind
									Two injured in campground. Tree fell on tent.
LaGrange County	5	Morning	-	-	0	2	?	?	Wind
									Two injured when tree fell on mobile home.
Atwood Kosciusko County	5	Morning	-	-	0	0	?	?	Wind
									12 vehicles damaged. Trees/power lines down.
Ligonier Noble County	5	Morning	-	-	0	0	?	?	Wind
									Trees/power lines down.
3 NE Veedersburg Fountain County	9	730P	-	-	0	0	-	-	Wind, funnel cloud
									Minor damage done to town marshal's home, 2 cars destroyed.
Fountain/Montgomery County Line	9	745P	-	-	0	0	-	-	Funnel cloud
									No damage reported.
Waynetown Montgomery County	9	753P	-	-	0	0	-	-	Funnel cloud
Lebanon Boone County	9	811P	-	-	0	0	-	-	Funnel cloud
Wingate Montgomery County	9	845P	-	-	0	0	-	-	Funnel cloud
Crawfordsville Montgomery County	9	846P	-	-	0	0	-	-	Pilot report of a tornado

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

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		
INDIANA (continued)										
Crawfordsville Montgomery County	9	922P	-	-	0	0	-	-	-	Acorn-size hail
Rushville Rush County	9	935P	13	266	2	25	6	5	-	Tornado
			<p>Deaths - 2; injuries - 25 (9 hospitalized) Damage to buildings - \$2,500,000 Damage to agriculture - \$180,000 The tornado first touched down in open fields between US Highway 52 and SR 44 about 2 miles west of Rushville. The first report of damage was to commercial establishments on SR 44, 2 miles southwest of Rushville.</p> <p>The tornado continued 3 miles ESE to SR3, 2 miles south of Rushville, where it was an F4, about 800' wide. At this point 3 homes were leveled and 2 deaths occurred in two separate houses. The tornado continued east for five additional miles, then made an abrupt 120° turn right and curved back to the south, dissipating one mile southwest of New Salem. In the final three miles the damage path appeared typical of a "rope" stage tornado, less than 100' in width.</p> <p>The track exhibited all the characteristics of rotary damage, complete with Fujita suction vortices.</p> <p>Total path length was 13 miles. Ten homes were totally destroyed, 13 additional were not livable and an additional 9 had substantial damage. There were 48 farm buildings destroyed and 3 businesses were heavily damaged.</p> <p>Radar, personal interviews, and Indiana State Police information places touchdown at 9:35P EST with final dissipation at 10:10P. A speed of 25 mph toward the SE was indicated by radar.</p> <p>Witnesses interviewed took shelter when they saw the tornado approaching less than several hundred feet away. None made it to a planned safe spot, but sought refuge in bathtubs, halls, etc. All were aware of varying degrees of the severe weather watches and warnings in existence elsewhere in Indiana.</p>							
Franklin County	9	945P	-	-	0	0	?	?	-	Wind, funnel cloud
			<p>One large house trailer destroyed, one car damaged. Barns and other outbuildings damaged. Trees down.</p>							
New Salem Rush County	9	1016P	-	-	0	0	-	-	-	Report of a tornado
			<p>No damage. Probably the same one that hit Rushville earlier.</p>							
Carthage Rush County	10	140A	-	-	0	0	?	?	-	Wind, 3/4" hail
			<p>Winds 60 mph.</p>							
12 N Seymour Jackson County	10	525P	-	-	0	0	?	?	-	Hail - golf-ball size
LaPorte LaPorte County	16	500A-530A	-	-	0	1	?	?	-	Wind, funnel cloud
			<p>Trees down/roads blocked. Three cars damaged. One home damaged. Store window blown out.</p>							
South Bend St. Joseph County	16	535A	-	-	0	0	?	?	-	Funnel Cloud/Wind
			<p>Wind gusted to 58 mph. Funnel cloud sighted by WSD people at Michiana Regional Airport. Power outages. Roads closed.</p>							
Elkhart, Goshen Elkhart County	16	600A	-	-	0	0	?	?	-	Wind
			<p>Wind 60 mph reported.</p>							
Napanee, Wakarusa, New Paris Elkhart County	16	600A	-	-	0	0	?	?	-	Wind
			<p>Trees/power lines down. Several cars destroyed/damaged. One mobile home destroyed.</p>							
Bremen Marshall County	16	602A	-	-	0	0	?	?	-	Tornado
			<p>Tornado reported by Marshall County Sheriff 2 miles east of Bremen. Two mobile homes damaged.</p>							
INDIANA (continued)										
Albion Noble County	16	630A	-	-	0	0	?	?	-	Wind, funnel cloud
			<p>Trees/power lines down.</p>							
Marion County	21	405P-415P	-	-	0	0	-	-	-	Funnel cloud
			<p>Several funnel cloud reports throughout county.</p>							
8 NW Franklin Johnson County	21	430P	-	-	0	0	?	?	-	Wind
			<p>Trees uprooted, power lines down.</p>							
Near Columbia Fayette County	21	439P	-	-	0	0	?	?	-	Hail - golf-ball size.
3 N Sullivan Sullivan County	21	520P	-	-	0	0	-	-	-	Funnel cloud
IOWA										
Pottawattamie, Cass and Adair Counties	4	7-1030P	-	-	0	3	7	5	-	Severe Thunderstorm
			<p>A severe storm formed in NE Nebraska and moved southeast. The storm produced high winds of up to 80 MPH that broke windows, damaged roofs, blew down trees that fell on power lines, cars and houses in Atlantic, Fontanelle, Bridgewater, Shelby, Hancock and Oakland. Three persons were injured when high winds overturned campers at a park near Hancock.</p>							
Shenandoah Page County	4	930P	-	-	0	0	6	4	-	Downburst
			<p>A downburst one mile long by 100 yards wide produced winds up to 90 MPH that damaged many roofs, broke windows and blew down numerous trees that fell on power lines, cars and houses.</p>							
3 Mile SW Wiota to West edge Wiota Cass County	4	930P	3	60	0	0	4	4	-	Tornado
			<p>A weak tornado touched down and moved northeast twisting tops off trees as it shipped along path. The tornado touched down at a farm near Wiota that pulled a well housing out of the ground and damaged outbuildings.</p>							
Lake Rathbun Appanoose County	4	11P	-	-	0	1	5	4	-	High Winds
			<p>Winds of 60 MPH turned over campers, wrecked tents and damaged 17 boats. One person was injured.</p>							
Southern Keokuk, Northern Jefferson, Henry, Lee and Des Moines Counties	4-5	1130P-1A	-	-	0	0	6	5	-	Severe Thunderstorm
			<p>Severe storms produced three tornadoes (recorded separately), very heavy rain, hail and high winds up to 80 MPH that damaged the roofs of many homes, broke windows, and uprooted many trees that fell on houses, power lines and cars. Damage was reported at Richland, Mount Pleasant, Burlington, New London, Fort Madison and Fairfield.</p>							
New London, Henry County to Danville, Des Moines County	5	1224A-1230A	4	30	0	0	4	5	-	Tornado
			<p>A weak tornado twisted off trees at New London, then moved east skipping along a 10 yard by one-half mile long path of damage in a corn field.</p>							
Danville Des Moines County	5	1224A	.1	30	0	0	3	0	-	Tornado
			<p>A weak tornado touched down near a school destroying bleachers and severely twisting a flag pole before lifting and dissipating.</p>							
Burlington Des Moines County	5	1245A	.5	30	0	0	5	0	-	Tornado
			<p>A weak tornado touched down heavily damaging the second story of a restaurant near the airport. The tornado moved east twisting off many trees in a park before dissipating.</p>							
1 Mile East Finchford to Waterloo Airport Blackhawk County	9	1242-1254A	-	-	0	5	7	4	-	Downburst
			<p>A severe storm produced many downbursts producing winds up to 105 MPH. These winds blew down many trees that fell on power lines, houses and cars. The worst damage occurred at the Waterloo Airport where the roof was blown off the Cental Tower. Approximately 70 airplanes were damaged along with 9 Air National Guard Helicopters. Several car windows at the Airport were also damaged. At Dunkerton the high winds overturned a mobile home and injured its occupants.</p>							
Jefferson County	10	12A	-	-	0	0	6	5	-	High Winds
			<p>A severe storm produced winds 80 MPH that blew down many trees and damaged many roofs and broke windows. The high winds at Fairfield damaged the roof of a bowling alley and heavily damaged a grain elevator at Packwood.</p>							
4 Miles SW Minburn Dallas County	15	1230A	-	-	0	0	5	3	-	Downbursts
			<p>A severe storm produced high winds to 80 MPH that flattened corn fields and heavily damaged outbuildings, cracked walls and blew out windows at a farmstead.</p>							
Silver City, Mills County	15	1017P	-	-	0	0	6	5	-	High Winds
			<p>A severe storm produced winds up to 100 MPH that uprooted trees that fell on power lines, houses and cars. The high winds heavily damaged a grain elevator, broke windows and damaged many roofs.</p>							
Olin, Jones County	16	1230A	-	-	0	2	3	4	-	High Winds
			<p>Two campers were seriously injured when high winds uprooted a tree that fell on their tent. High winds also flattened corn fields.</p>							
Bettendorf Scott County	16	12A	-	-	0	0	4	0	-	High Winds
			<p>A severe storm produced winds up to 67 MPH that blew down power lines and uprooted many trees which fell on houses.</p>							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

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	
IOWA (continued)									
Hancock, Southern Winnebago County	19	855P-912P	--	--	0	0	6	5	High Winds
A severe storm produced high winds of 90 MPH, blowing down many trees and damaging outbuildings on many farmsteads. At Forest City, high winds destroyed a hangar and 8 airplanes and damaged 60 new Winnebago Travel Trailers.									
9 Miles WSW Mallard Palo Alto County to 3 Miles South of Whittemore, Kosseuth County	19	535-638P	26	80	0	0	6	5	Tornado
A strong tornado (F2) touched down and moved ENE damaging 38 Farmsteads before lifting. Most of the damage occurred to outbuildings but one farmstead had roof damage and the house was twisted off its foundation.									
2 Miles NE Paulina to 2 Miles SW Gaza O'Brien County	19	555P-603P	3.5	160	0	0	6	5	Tornado
A strong tornado touched down and moved ENE damaging trees, crops and five farms. The heaviest damage occurred to the third farm where the farmhouse was heavily damaged and all outbuildings and the barn were completely destroyed.									
4 Miles NE Remsen Plymouth County	19	6P	.4	30	0	0	5	6	Tornado
A weak tornado touched down and moved west damaging the outbuildings to two farms and a garage before lifting and dissipating.									
Decorah, Winneshiek County	20	1A	--	--	0	0	5	0	High Wind
High winds of 70 MPH uprooted many trees which fell on power lines, houses and cars. High winds also broke windows.									
Cincinnati to Exline Appanoose County	20	530-545P	--	--	0	0	5	6	Hail
A severe thunderstorm produced golfball size hail 3 miles wide by 7 miles long that broke windows, devastated corn and soybean fields.									
Mt. Pleasant Henry County	20	7P	--	--	0	0	6	5	High Winds
Winds of 80 to 100 MPH blew down many trees which fell on power lines, houses and cars. The winds broke windows and tore a section of a roof off some downtown buildings. Many signs were either blown away or bent over.									
KANSAS									
Seward County	3	8:10 p - 8:30 p			0	0	0	0	Hail
Few hailstones at Liberal to 1 inch, 8:20 p.									
Shawnee County	4	4:00 p - 4:30 p	20	*1	0	4	6	0	Wind
Severe thunderstorms producing strong down burst winds moved north-east from Lake Sherwood on the outskirts of southwest Topeka to the fairgrounds in central Topeka to near Tecumseh to Perry. Spotty wind damage occurred in about a mile wide band producing considerable local tree, power line and property losses. The concrete grandstand roof at fairgrounds in Topeka suffered considerable damage. Numerous firecracker stands were leveled and one mobile home was overturned near Tecumseh.									
Phillips County	4	6:20 p	1/2	100	0	0	0	0	Tornado
Tornado moving eastward touched down briefly 5 miles south of Phillipsburg. No reported damage or injuries.									
Cloud County	4	7:45 p			0	0	4	0	Damaging Wind
Severe thunderstorm crossed the county producing local tree, power line and property damage. Winds of 80 miles per hour toppled a radio tower just west of Concordia and did some damage to signs in east Concordia. Damage \$15,000.									
Pottawatomie, Jackson Counties	4	11:00 p - 35		*2	0	0	5	0	Wind
Intense thunderstorm produced strong down burst winds producing local tree, power line and property damage as it moved east northeast from Wamego to near Hopt. Large metal shed destroyed about 3 miles west southwest of Hoyt.									
Jewell County	9	3:15 p	short narrow		0	0	4	0	Tornado
Severe thunderstorm spawned a small tornado 3-1/2 miles south of Formoso. Tornado on ground only briefly, damaging trees, a large garage and knocking over several utility poles.									
Cloud County	9	5:50 p			0	0	4	0	Damaging Wind
Severe thunderstorm moved through southeast Cloud County to the southeast of Miltonvale. Several farm buildings damaged or destroyed, with total loss of about \$20,000.									
Thomas, Sheridan, Phillips Counties	15	Evening			0	0	4	0	Hail and High Winds
Severe thunderstorms accompanied by high winds and hail moved northeastward through the area. Golfball size hail fell at Kirwin Reservoir at 1:30 p. Seven power poles were downed near Glade along with a number of trees and home antennas. Telephone lines were also downed at Rexford, Seldon and Gem.									
Barton County	20	6:00 p to 7:00 p			0	0	4	0	Damaging Wind
Severe thunderstorm moved south through central Barton County. The main damage was to utility poles, just north of Great Bend. Fifteen poles damaged with a loss of \$35,000.									
KANSAS (continued)									
Sedgwick County	25	6:15 p			0	0	4	0	Damaging Winds
A heavy thunderstorm developed in southwest Wichita and moved through the southern part of the city with strong winds. Power lines were downed and windows broken with a 2-1/2 ton van truck and two cars overturned. The damage was likely caused by down burst winds.									
Cowley County	25	7:27 p			0	0	4	0	Damaging Winds
Thunderstorms developed in Sedgwick County and moved into northern Cowley and southern Butler counties of Kansas. Strong winds damaged a football observation tower, and tree limbs and power lines were downed.									
<u>SPECIAL HAIL SUMMARY</u>									
Hail Loss Clearing House reports indicate hail was especially severe on the following dates in the following counties:									
3 Norton									
4 Republic									
20 Nemaha									
KENTUCKY									
Adair Cy	2	9 PM EDT					4	4	Svr Tstm
High winds caused severe damage along HWY 55 in the Glass Fork area. Sheds, barns, and trees were extensively damaged.									
Bell Cy	10	11PM EDT					5	3	Svr Tstm
High winds and lightning caused considerable damage to the city of Pineville. Damage was estimated at \$300,000. The National Guard was called up to help clean up the city.									
Boyd Cy	8	9:05PM EDT	800'	30	0	0	5		Tornado
A tornado hit the town of Cattslettsburg extensively damaging 4 homes. A 12' boat was carried 2 miles.									
Boyle Cy	2	9:40PM EDT	3	300	0	0	4	4	Tornado
A small tornado caused damage to barns, sheds, and trees. The worst damage was in the Perryville, Parksville, and Michellsville communities.									
Breckinridge & Grayson Cys	2	9PM EDT					5	4	Svr Tstm
High winds caused extensive damage throughout the ROUGH RIVER region. Numerous boats were damaged. A few were sunk. A couple of mobile homes were turned over.									
Daviess Cy	2	6PM EDT					7	5	4 Svr Tstm
High winds extensively damaged 20 campers near Diamond Lake 10 miles SW of Owensboro. Seven people in their campers were injured. Winds blew down a drive-in movie screen in Owensboro.									
Edmonson Cy	2	9PM EDT					1	4	Svr Tstm
A 32 year old man was killed at Cave Hollow Bay when a tree blew down and fell on a mobile home.									
Estill Cy	2	11PM EDT					4	5	Svr Tstm
High winds caused considerable damage to corn and tobacco thru the county. Many trees were blown down. Sheds, barns, and homes were damaged.									
Fayette & Scott Cys	2	8:55PM EDT	3	300	0	0	5	3	Tornado
A small tornado passed thru Georgetown and then moved thru the area north of Lexington. The tornado hopped and skipped for 13 miles. The main damage was to a green house in the IRONWORKS ROAD area.									
Garrard Cy	2	11:15PM EDT					5	5	Svr Tstm
High winds destroyed at least 3 barns and a silo. Other barns, farm equipment and homes were damaged.									
Grayson & Ohio Cys	2	9PM EDT					3	5	5 Svr Tstm
High winds caused damage to crops, trees, and buildings. Two teenagers were hurt when a tree fell on them in Grayson Cy. A 62-year old woman was hurt when she was blown off her porch.									
Greenup & Boyd Cys	12	6PM EDT	25	300	0	0	6	5	Tornado
An unusually strong thunderstorm which started near Columbus, Ohio spawned a tornado as it crossed the river at Portsmouth. It then moved SE to Mavity in Boyd Cy. It caused extensive property damage but no injuries. Four radio and TV towers were blown down.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
KENTUCKY (continued)										
Hardin, Hart, & LaRue Cys	2	9PM EDT				6	5			Svr Tstm
High winds estimated at 100 mph caused widespread damage. Damage was very bad at Ft. Knox and Hodgenville when many trees were blown down. The KY Utilities estimated damage to their equipment at \$975,000.										
Hopkins, Union & Henderson Cys	2	8PM EDT			2	6	5			Svr Tstm
High winds estimated at 100 mph caused extensive damage to crops, barns, and homes. Damage in Union Cy was estimated at \$500,000. A mobile home park in Henderson Cy was hard hit. Two people were injured when their mobile home was turned over.										
Jefferson Cy	4	10AM EDT					4			Svr Tstm
Winds estimated at 60-80 mph took the roof off a large garage damaging 2 cars and a snowmobile.										
Jefferson, Bullitt, Oldham, Shelby Cys	2	7:30-10:30PM EDT								Svr Tstm
A massive hail storm moved thru north central KY producing hail storms as large as soft balls. At least 500 cars were seriously damaged. One green house in Jefferson Cy lost 50,000 panes of glass.										
Lawrence, Johnson, Martin, Floyd, & Pike Cys	12	7PM EDT			1	5	4			Svr Tstm
Winds estimated at 100 mph caused extensive property damage thru these 5 counties. This was the same storm that originated at Columbus, Ohio. One home was destroyed by lightning. One man was struck by lightning and hospitalized.										
Madison Cy	2	9:30PM EDT					5	4		Svr Tstm
High winds caused extensive damage to trees, barns, and trailers. A screen at the RICHMOND DRIVE-IN was badly damaged.										
Mercer, Woodford, and Jessamine Cys	2	9:30PM EDT	1	300	0	1	5	4		Tornado
A tornado caused heavy damage to trees, barns, and homes. Many cars were damaged. One woman was injured when a tree fell on her car.										
Nelson Cy	2	8:30PM EDT			5	6	5			Svr Tstm
The worst storm ever did extensive damage to Bardstown. Winds estimated at 100 mph caused damage of about 2 million dollars. The National Guard was called in to clean up the extensive damage. Five people received minor injuries.										
Powell Cy	2	10:30PM EDT	1	200	0	0	4	3		Tornado
A tornado touched down 3/4 of a mile west of Clay City and moved eastward thru the city. Damage was light and consisted mostly of tree, shed, and barns being blown down. One mobile home was destroyed completely, but, amazingly, the 5 occupants were uninjured.										
Pulaski Cy	10	12:10PM EDT					6	4		Svr Tstm
High winds caused considerable damage to Somerset. Many trees were knocked down and power was out for much of the night. The Somerset Tool & Die building lost part of its roof.										
Scott & Fayette Cys	4	8:30PM EDT					6	4		Svr Tstm
High winds caused extensive property damage at Georgetown in Scott Cy. A radio station in Lexington lost part of its roof. Many trees were down and power was interrupted.										
Shelby Cy	10	10AM EDT			2	2				Tstm
A 35 year old man was killed and 3 other men were injured when lightning struck during a cattle show at the Shelby County fairgrounds.										
Spencer Cy	2	10PM EDT			1	?				Flash Flood
A severe thunderstorm with damaging winds also dumped 5 inches of rain in 1 hour over portions of the county. A small upper tributary branch of Elk Creek wored out 3 bridges. Twenty cars were destroyed. One 7 year old boy was killed when his mother's car was washed off the road.										
LOUISIANA										
Entire State										
	-16				24		6			Heat Wave
A heat wave which began in Texas and spread into Louisiana the latter part of June with temperatures between 100° and 110° claimed an estimated 24 lives in all sections of Louisiana before beginning to ease by mid-July. Most victims succumbed to heat stroke or heat exhaustion. The majority of them were elderly people in homes with no means of relieving the heat. Numerous persons were also treated for heat stroke around the state. Agricultural losses due to the accompanying drought and heat are in the hundreds of thousands of dollars. Crops of rice, sugar cane, soybeans, and cotton were affected in addition to the poultry industry.										
LOUISIANA (continued)										
Vermillion Parish	2	6-7 PM			0	0	5	0		Thunderstorm
A severe thunderstorm moved through Vermillion Parish leaving damage in the communities of Kaplan, Nunez and Abbeville. Winds from the thunderstorm were estimated at 70 mph. The thunderstorm evidently moved from southeast to northwest. One trailer was destroyed, several damaged, a few homes had carport and patio damage and several trees were downed.										
Iberia and St. Mary Parishes	2	Afternoon			0	0	5	0		Lightning
Two homes, one in Iberia Parish valued at \$200,000 and the other in St. Mary Parish were struck by lightning. The first home was completely destroyed and the other was heavily damaged.										
Catahoula, Livingston and St. Tammany Parishes	7	Afternoon and Evening			0	0	4	0		Thunderstorms
Afternoon thunderstorms produced a few areas of minor wind damage to homes and business in Te Lake and Jonesville, Denham Springs, and Slidell. Most of the damage was to awnings, metal sheds, signs, and a few trees downed on cars and roofs.										
St. Mary, Livingston, and Rapides Parish	16	Afternoon			0	0	5	0		Thunderstorms
Widely scattered thunderstorms caused isolated damage in Morgan City, an empty trailer flipped, metal sheds and signs downed; in Hammond, metal sheds and signs downed; and in Alexandria where downtown businesses had windows blow out and minor damage to roofs and signs.										
Catahoula Parish	16	6 PM			1	0	0	0		Lightning
Twenty four year old man fishing from a boat on the Little River near Archie died immediately when struck by lightning.										
East Baton Rouge Parish	16	5:45 PM			0	1	0	0		Lightning
Twelve year old boy was struck by lightning as he ran across a baseball field. He was critically injured.										
Calcasieu, Acadian and East Baton Rouge Parish	18	Afternoon			0	0	5	0		Thunderstorms
Thunderstorms moving across southern Louisiana with winds of 50 mph left minor roof damage to a house in Sulphur; destroyed a barn and damaged a house and a second barn in Bayne; and overturned 3 airplanes and did minor damage to a hanger at an airport near Baton Rouge.										
Rapides Parish	18	Evening			0	0	5	0		Lightning
A lightning strike set a store and adjoining house in Alexandria on fire completely destroying both structures.										
Orleans Parish	22	7 AM			0	0	0	0		Funnel Clouds
Two funnel clouds were reported in New Orleans, neither touched down.										
St. Tammany Parish	22	Unknown			0	0	0	0		Funnel Cloud
A funnel cloud was reported in Slidell but did not touch down.										
Calcasieu Parish	25	3 PM			0	0	4	0		Thunderstorm
A strong thunderstorm moved into southwest Louisiana with winds of 60 mph. Very little damage reported.										
Ouichita Parish	25	6:30 PM			1	1	5	0		Lightning
Lightning struck a West Monroe home setting it on fire. An elderly woman inside the house was unable to get out and burned to death. Her husband was hospitalized for smoke inhalation.										
Point Coupee Parish	25	7 PM			0	0	4	0		Lightning
Lightning struck a home in New Roads causing extensive damage before being put out.										
MAINE										
Statewide	6	10a-8p			0	0	0	0		Wind
Strong northwest winds, peaking at 61 mph at Caribou and 47 mph at Portland, blew down numerous trees which in turn blocked highways, tore down utility wires and poles, and damaged dwellings and vehicles. Along the coast, moored sailboats were tied in knots or capsized, while others were battered to pieces. At Moody Beach in Wells, a young girl in a rubber raft was blown two miles out to sea before being rescued.										
Southern	11	2-10p			0	0	0	0		Hail & Lightning
Severe thunderstorms rumbled across southern Maine with numerous hail reports causing scattered crop damage with the Turner area hardest hit. There were reports of large hailstones from Upper Dam, 1 to 2 inch; Gorham and Bingham, up to 1 inch; Peru, Dixfield and Nobleboro, up to 3/4 inch; Canton, up to fist size; Turner, plum size. Lightning strikes caused scattered power outages, fires and damage to buildings and trees, and to utility poles and transformers. A severe thunderstorm watch was in effect from 1 to 8 pm. Timely warnings were issued by NWS Portland.										
Poland, Androscoggin County	16	2-3p			1	0	3	0		Lightning
A 62 year old man hit by lightning while working on a waterfront dock at a Tripp Lake camp. He could not be revived. Lightning also did minor damage to editorial computers of the Brunswick Times-Record newspaper.										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

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	
MAINE (continued)									
Mechanic Falls, Lewiston-Auburn, Androscoggin County; Deer Isle, Bucksport, Hancock County	22	Early Morning			0	0	5	0	Lightning
									Lightning produced a fire causing extensive damage to a Mechanic Falls home. Lightning split several trees and caused fires in others which produced local power outages in Androscoggin County. Ball lightning was reported in Bucksport. The residents of Deer Isle were without power or telephone service for almost 24 hours when lightning burnt out the transmission cables.
Auburn, Androscoggin County; Kingfield, Franklin County; South China, Kennebec County	30	Late Evening			0	0	4	0	Lightning & Wind
									Lightning struck power lines and utility poles, leaving 1,000 Auburn residents without power for up to 4 hours. A South China camp was leveled by lightning produced fire. In Kingfield, strong winds uprooted several trees - one of which was 100 feet tall.
MARYLAND & D.C.									
Garrett County	5	12:30 p			0	0	4	4	Wind, Rain
									Severe thunderstorm swept across western Garrett County bringing high winds and heavy rain. Five acres of timber were totally destroyed and a barn and house heavily damaged, along with structural damage to several outbuildings. A number of sailboats were capsized on Deep Creek Lake during the high winds. Total damage near \$65,000.
Western Portions	8	5:00 a			0	0	4	0	Rain, Lightning
									Heavy thunderstorm occurred in the early morning hours. Flooding of roads and basements reported in several townships. Damage estimated at around \$12,000.
Garrett County	8	1:00 p			0	0	4	0	Lightning
									Bolt of lightning killed 18 dairy cattle in a pasture during a series of thunderstorms moving through the area.
Cecil County	16	3:00 p			0	0	4	0	Wind, Lightning
									Violent thunderstorm disrupted power lines and downed trees, especially near Conowingo. Lightning started a fire in a local tavern causing heavy damage. Fallen trees also slightly damaged six houses. Total damage estimated at near \$29,000.
Anne Arundel County	17	nr 11:00p			1	1	0	0	Wind
									Motorcyclist killed and his passenger injured when they struck a wind-downed tree near Galeville.
Allegany County	21	4:00 p-5:00 p			0	0	4	0	Lightning, Wind, Rain
									Lightning caused damage to one apartment and to a home in Cumberland. Wind was also responsible for damage to two vehicles when a tree fell on them. Some basement flooding also reported. Damage estimated at about \$8,000. Lightning; \$5,000. Wind.
Laurel	21	Evening			0	0	3	0	Lightning
									Lightning strike started a fire in the ceiling of post office building causing \$4,000 damage.
Frederick	22	2:45 p			0	0	0	0	Rain
									Up to 2 inches of rain in the vicinity caused closing of some streets for a time.
Eastern Maryland	22	3:30 p-7:00 p			0	3	5	4	Wind, Lightning, Rain
									Severe thunderstorms caused widespread damage, with heaviest centered over Harford County and in St. Marys and Calvert Counties. Over \$50,000 damage was inflicted upon the government installations at Aberdeen Proving Grounds, in the form of roof and siding blown off, debris-damaged autos and lightning-caused fires. Bolts of lightning were responsible for 18 house fires over Harford County, one firefighter being injured when lightning struck the metal ladder on which he was standing. Two other injuries occurred in Calvert County when wind blew a boat into their auto at a marina. Lightning also caused heavy damage to a church rectory in the town of North East Cecil County. Damage totaled around \$400,000, of which nearly \$300,000 occurred in the St. Marys-Calvert County area. Wind accounted for about half the total, and lightning and rain for the remainder.
Adamstown, Frederick County	30	3:00 p			0	0	3	0	Wind
									Trees, sheds and power lines in the vicinity were damaged by a very localized wind associated with thunderstorm activity. Damage was estimated at near \$5,900.
Note...Month of July...									Above normal temperatures with daily highs in the upper 90s to over 100 degrees occurred throughout much of the month. Drought conditions prevailed over eastern and southern sections, which also prevented effective herbicidal treatment of crops. Thousands of chickens also died during the excessive heat, creating a substantial loss for poultry producers. No damage figures available at this time.
MASSACHUSETTS									
Whatley	1	5:30PM			0	0	3	0	Lightning
									A house sustained slight damage from a small strike.
Statewide	8	Aftn.			0	1	5	0	Lightning, wind
									Severe thunderstorms hit the state. A wheelchair victim in Reading had his already incapacitated legs crushed by a falling tree. Hundreds of trees were blown down onto houses, cars and electrical power lines. A trailer was blown over and damaged in Worcester.
Andover	11	Evening			0	0	3	0	Lightning
									Lightning struck a liquid hydrogen tank making only a hole which was quickly plugged by firemen.
Becket Fitchburg Royalston	11	8:55 PM			0	0	5	0	Lightning
									A carriage house was destroyed in total. At about the same time a factory was hit in Fitchburg. In Royalston a woodworking company sustained severe damage.
Haverhill	11	9 PM			0	0	5	0	Lightning
									A school, two houses and a factory were struck but serious damage occurred at the factory and one house only.
Chesterfield Easthampton Goshen Northampton	11	9:05 PM			0	1	4	0	Lightning
									Several houses were struck in each town, but mostly small fires resulted. A woman was slightly shaken in Chesterfield when lightning flashed through her house singeing ceilings and blowing out wallboard.
Lawrence	11	Evening			0	0	0	?	Hail
									50-75% of the Lawrence area apple crop was destroyed by hail.
Norwell Southbridge Springfield	16	Evening			1	0	4	0	Lightning
									A man was killed by lightning in Southbridge and a house wall severely burned in Norwell. Chunks of masonry were blown off Springfield buildings.
Haverhill Newbury Shrewsbury Tewksbury	17	Evening			0	6	4	0	Lightning
									5 teenagers were seriously hit as they sought shelter in a small wooden building in Tewksbury. In Newbury a man was shocked while on a horseshoe court. In Newbury and Shrewsbury a few houses sustained minor damage.
New Marlboro North Adams Northampton Springfield	21	Evening			0	1	4	0	Lightning
									In North Adams a high school and power station were hit, and a serious house fire occurred in Northampton. In New Marlboro there was a small house fire and in Springfield two stores were burned out along with three houses. A young bicyclist was hurt by a falling tree.
Statewide	22	Eve.			0	0	4	0	Wind, lightning
									Lines of thunderstorms ravaged the state blowing many trees down upon buildings and cars.
Natick	28				0	1	1	0	Dust Devil
									A strong dust devil observed to be 30-40 feet tall scattered bathers at a pool and threw chairs and tables about. A woman was cut badly by a flying metal umbrella.
Franklin Quincy Northboro	29				0	0	4	0	Lightning
									A house and a van were struck in Franklin. In Northboro a small fire resulted at a house and a payphone exploded. In Quincy a garage and car were burned.
Attleboro Marshfield Montague City West Bridgewater	30	Evening			1	0	5	0	Lightning
									In Attleboro a power house was destroyed. A boy and two horses were electrocuted as lightning struck a building with a metal roof. A house was hit in Marshfield and Montague City.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM		
					KILLED	INJURED	PROPERTY	CROPS			
MICHIGAN											
Area south of New Buffalo, Vicksburg, Jonesville, Tecumseh, and Estral Beach.	5	5.15AM-8AM			1	1	7	C	Thunderstorms		
One woman killed near Quincy, another injured near Union, both by falling trees in campgrounds. Heaviest damage along U.S. 12 from Edwardsburg to Bronson. "Tornadoes" reported near both ends of track, but confirming data not available. 13 aircraft destroyed at Sturgis airport where wind measured 70 mph. \$2.5 million damage in St. Joseph County, \$1 million in Cass county.											
3 SE Nashville, Barry county.	5	5.30AM			0	0	4		Tornado		
Swirling cloud seen. Much damage to house, none to out buildings. Rain started just afterward.											
Escanaba, Delta county.	7	6AM			0	8	6		Thunderstorm		
7 persons injured as mobile homes rolled over, one as tree fell on car. 17 aircraft destroyed, 16 others and terminal building damaged at airport. Much damage to trees, buildings, and vehicles on south side of city. Streets flooded.											
Sturgis, St. Joseph county.	7	6.15AM					6		Thunderstorm		
Three hangars destroyed, 11 aircraft damaged. High school partially unroofed. Minor damage to many other buildings.											
Fife Lake, Grand Traverse county.	7	evening							Hail		
2" hailstones.											
Brethren, Manistee county.	7	9.30PM							Funnel Cloud		
Observed by Fire Department. Hook echo observed at this location by both Muskegon and Alpena radars. Minor wind damage in vicinity.											
5 NW Cadillac, Wexford county.	7	9.58PM							Tornado		
Seen by REACT spotter. Moving east 25 mph.											
4 S Pinconning, Bay county.	7	6.45PM					5		Lightning		
Barn and contents, including livestock, destroyed by fire.											
1 N Lucas, Missaukee county.	7	10.03PM							Tornado		
Touchdown observed by State Police. Funnel cloud seen a few minutes later by Sheriff's Deputy over Lake Missaukee.											
10 W Cadillac, Wexford county.	7	10.10PM							Funnel Cloud		
Seen from Caberfae ski resort.											
55 Grayling to Roscommon, Crawford and Roscommon counties.	7	10.15PM							Hail		
1 3/4" hailstones.											
Near Whittemore, Iosco county.	7	10.25PM							Hail		
1" hailstones and strong winds.											
Isabella county.	7	11.05-11.27PM							Hail		
3/4" hailstones reported at three separate locations.											
Flint, Genesee county	8	12.54AM							Hail		
1 3/4" hailstones reported on north side of city.											
St. Joseph, Berrien county.	9	7.40AM							Funnel Cloud		
Observed by sheriff's deputy.											
Iron, Dickenson, Menominee and Delta counties.	10	7.30-11PM					4		Thunderstorms		
Widespread minor wind damage. Two buildings set afire by lightning. Gusts to 71 mph at Iron Mountain airport.											
Portage, Kalamazoo county.	11	1.15PM							Hail		
2" hailstones.											
Marne, Ottawa county	12	9.10AM					1		Lightning		
Man struck while playing golf.											
Kalamazoo, Kalamazoo county.	12	10.30AM							Hail		
1" hailstones reported at airport.											
Wyoming, Kent county	12	10.30AM					2		Lightning		
Two men on picnic in park took shelter from rain under tree.											
Montgomery, Hillsdale county.	12	11.45AM							Hail		
1 1/2" hailstones.											
Saugatuck, Allegan county.	12	11.45AM						C	Hail		
1 3/8" hailstones.											
Bangor, Van Buren county.	12	12.30PM							Hail		
2" hailstones.											
Bronson, Branch county.	12	7.20PM					4		Lightning		
Two houses set afire. One seriously damaged.											
Dearborn, Wayne county.	12	morning					1	0	0	Lightning	
Boy struck while playing softball.											
Area south of Ludington and Harbor Beach, and north of Port Huron and Saugatuck.	15	9.45AM-12.30PM					0	4	6	Thunderstorms	
Falling trees injured one person in house in Ottawa county, two in car in Kent county, and one in camper near Greenville. Storm intensified suddenly over Lake Michigan. Gusts to 87 mph at Grand Haven Coast Guard, to 70 mph at Muskegon Airport. Intensity decreased eastward. Strongest gust at Flint 53 mph. Greatest damage to buildings in northern Ottawa and western Kent counties. 7 aircraft destroyed, 15 damaged at Greenville airport. Lightning listed below was part of this storm.											
MICHIGAN (continued)											
Grandville, Kent county.	15	10.30PM						5		Lightning	
Restaurant destroyed by fire.											
Lexington, Sanilac county.	15	12.30PM					1	3		Lightning	
Man took refuge from rain under tree. Shed and barn nearby set afire.											
Allegan, Berrien, Van Buren, Kalamazoo, Cass, St. Joseph, and Branch counties.	16	5-6.30AM					1	11	7	C	Thunderstorm
Boy killed as tree fell on summer home at Magician Lake in Cass county. Four persons injured as trees fell on vehicles, four in camps, one in house, one in mobile home and one as car blew off road. Storm intensified suddenly over southern Lake Michigan, greatest intensity along shore of Berrien county, weakened as it moved inland. Wind measured 98 mph at St. Joseph Coast Guard, 83 mph at Cook Nuclear Plant. Greatest damage to buildings, trees, crops, and vehicles in northern Berrien, northwestern Cass and southern Van Buren counties.											
Calhoun Jackson, Hillsdale and Lenawee counties.	16	6.30-8AM					7	8	C	Thunderstorm	
Three persons injured in camps, two as trees fell on cars. One cut as falling tree broke window, one hit by falling limb. Intense downburst developed just southeast of Battle Creek. Straight line winds, estimated 125 mph along track 1/2 mile long, 3/4 to 1 mile wide from Beadle Lake to East of Grace Lakes in Calhoun county. Severe damage to buildings, trees, and vehicles over most of Calhoun and Jackson counties, northeastern Hillsdale and northwestern Lenawee counties.											
Washtenaw, Wayne, and Monroe counties.	16	7.30-8.20AM					2	8		Thunderstorm	
Woman in Dearborn injured as wind forced her into a revolving door. Intense downburst developed just west of Ann Arbor. Path of most intense damage across southern Ann Arbor then eastward through downriver suburbs of Detroit. Winds estimated up to 100 mph in Washtenaw county, up to 150 mph in Wayne county. Innumerable buildings, vehicles and trees destroyed in eastern Washtenaw, central and southern Wayne, and northeastern Monroe counties. Several posts swamped on Detroit River. Power off in some areas up to ten days. Tornado and lightning listed below were part of this storm.											
Allen Park, Lincoln Park, and Ecorse, Wayne county.	16	8.10AM					0	0	7		Tornado
Railroad cars blown off track in both directions in Allen Park. Department store roof blown sideways in Lincoln Park. Funnel sighted over Detroit River from Canadian shore. Tornado damage included in, and hardly distinguishable from large area of straight line wind damage. Funnel continued eastward several more miles into Canada.											
Ida, Monroe county	16	8.15AM							4		Lightning
House burned.											
Missaukee county	20	3.30-4.30AM						5		Lightning	
Ski lodge and two barns destroyed. Minor damage to two other buildings.											
Area south of Muskegon Harbor Beach and north of Marine City-Benton Harbor	20	8.30-11.30PM					4	6	C	Thunderstorm	
Man injured in collapse of restaurant roof in Grand Rapids, man injured as tree limb struck moving truck near Grand Blanc, two injured as mobile home rolled over near Leapeer. Damage to buildings and trees throughout area. Gusts to 72 mph at Flint airport where two hangars and two aircraft were destroyed. 76 mph gusts at Washington in Macomb county. Large grain elevator at Ruth in Huron county destroyed. Funnel clouds listed below were part of this storm.											
North Coloma, Berrien county.	20	9.10PM									Funnel Cloud
Near Gobles, Van Buren county.	20	9.40PM									Funnel Cloud
5 S Swartz Creek, Genesee county.	20	10.35PM									Funnel Cloud
Near Kalamazoo, Kalamazoo county.	21	1.15AM						4			Lightning
House severely damaged by fire.											
6 SW Carson City, Montcalm county.	21	1.30AM							4		Lightning
House destroyed by fire.											
1 W Dagget, Menominee county.	21	3.45PM									Hail
3/4" hailstones.											
Chesaning and Zilwaukee, Saginaw county	22	5.10PM									Hail
Hailstones 1 3/4".											
4 NW Rochester, Oakland county.	27	afternoon							1		Lightning
Man playing golf took refuge from rain under tree.											
Cwin, Marquette county.	28	2.55PM									Hail
1 1/2" hailstones.											
Bergland, Ontonagon county.	28	6.45PM									Hail
1" hailstones.											
10 W Garney to 5N Cedar River, Menominee county.	29	late afternoon	15	3000				4	C		Hail
Hailstones 1" near Garney, 1 1/2" north of Cedar River. Covered ground to depth of two inches.											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MICHIGAN (continued)									
Area bounded by Port Austin, St. Johns, Ann Arbor and Port Huron.	29	2:30-4PM				5	C		Thunderstorms
									Wind damage to buildings, trees, power lines and crops. Hail listed below was part of this storm.
SNE St. Johns to 3N Perry, Clinton and Shiawassee counties.	29	2:30-3:10PM					C		Hail
									Ground covered by hailstones up to 1 3/4". Grain crops severely damaged.
Dexter, Ypsilanti, Washtenaw county.	29	3:30p-3:46p				5			Hail
									1" hailstones over much of area. Hailstones up to 2" damaged buildings on North Campus of University of Michigan.
MINNESOTA									
Fairmont, Martin	9	2:00 am			0	0	4	0	Lightning
									Lightning struck a house and started a fire which heavily damaged the structure.
Northwest Red Lake County	11	5:00 pm	12	200	0	0	6	4	Tornado 2-3-3
									Tornado touched down near Dorothy in northwest Red Lake County, moving eastward 12 miles to 3 miles south of St. Hilaire before ascending to cloud. There was extensive damage to eight farms, which included the destruction of barns and outbuildings, several silos demolished, and machinery destroyed. Three calves were lost at the Beyer dairy farm. Huge trees, some up to 4-ft in diameter, were felled, and many power lines downed.
Clearwater vicinity, Sherburne county	11	7:40 pm			0	0	4	4	Hail
									Baseball size hail was reported near Clearwater. A follow-up report at 8:25 pm by the sheriff's office indicated the ground covered by hail.
Byron, Olmsted County	11	11:43 pm			0	3	6	0	Wind
									Winds estimated up to 100 miles an hour, hail and heavy rain went through Byron, causing extensive roof damage to Byron High School and many homes. A man was thrown 60 ft. by the storm while trying to put his car in the garage. A mobile home just south of Byron was demolished but three occupants escaped with minor injuries. Other losses included television antennas, a lumber yard shed, and numerous trees and branches downed. Power lines were down all over town and electricity not restored until Saturday morning.
Austin, Mower County	12	7:30 pm	5-1/2	2000	0	0	5	0	Hail
									Hail about 1-1/2" to 2" accompanied by strong winds started on the west end of town and moved through the center of Austin. Ground coverage, according to police, was about 30% at the end of the storm. Most damage was to roofs, windows, and autos.
Dodge, Olmsted	12	12:30 am			0	3	5	5	Winds, Hail
									Storm began with 80 mph winds near West Concord moving toward the southeast. Two barns were flattened, one west of West Concord and another northeast of Kasson. The storm entered western Olmsted County about 12:45 pm dropping hail 1/2" to 1" in addition to the winds, along a 4-mile by 300-yard path. Most damage was to farmsteads and fields. Minor injuries were incurred by persons caught in the storm.
Duluth, St. Louis County	14	3:15 am			0	0	4	0	Lightning
									Lightning struck the Duluth area severely damaging at least two homes. Power outages and tree damage was also common.
Warman, Kanebec County	14	5:15 pm	18	*2	0	0	4	4	Hail
									A "Wall of Hail" was observed 10 miles north of Nora near Warman. Size ranged from 3/4" to 1-1/2" and covered about 20% of the ground at the storm's end. Young corn fields were damaged and farms sustained window, roof, and machinery damage.
Lincoln and Lyon Counties	15	3:00 pm	20	*4	0	0	4	5	Hail
									A strong thunderstorm cell crossed the South Dakota border into Lincoln county about 3:00 p.m. and passed through Lyon county about 4:30 p.m. The 1" to 1-1/4" hail which completely covered the ground damaged about 14,000 acres of young crops. About 2800 acres of that was almost completely destroyed.
Russell, Lyon County	15	4:45 pm	5	60	0	0	0	3	Tornado
									Two funnel clouds were observed by the Russell Police Chief three miles NW of Russell near Wood Lake. One touched down briefly in open country causing no real damage. The tornado ascended again at 4:56 pm. This was the only known confirmed touchdown from the time funnel clouds were first reported in the Arco vicinity (Lincoln County) at 4:20 p.m. until the last reported came in at 5:18 p.m. in eastern Lyon County east of Marshall.

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	
MINNESOTA (continued)									
Big Stone and Swift Counties	15	5:30 pm			0	0	5	3	Wind
									Winds clocked near 75 mph passed south of Graceville flattening two barns, a silo and nearby fields about 3 miles north to about six miles northeast of Clinton. A roof was also blown off and a bin damaged at a grain elevator in Appleton which is due east of Clinton.
Olivia, Renville County	15	6:15 pm			0	0	0	0	Funnel Cloud
									At about 6:15 pm a funnel was reported between Danube and Olivia. The funnel did not descend but 70 mph straight line winds did some scattered minor damage.
Minneapolis, St. Paul Metropolitan area, Scott, Carver, Dakota Counties	15	8:15 pm			1	0	7	6	Wind
									Straightline downburst winds produced extensive damage to many suburbs and close-in towns in the southern portion to the Minneapolis/St. Paul metropolitan area. The storm reached the southwestern border of Scott and Carver counties shortly before 8:00 pm. Extremely rapid development occurred near the juncture of Hennepin, Scott, and Dakota Counties. From this point a line of downburst thunderstorm winds developed rapidly which reached from 85 to an estimated 110 mph. In aerial surveys conducted the following day, there appeared to be three distinct parallel paths of destruction. The most destructive one was oriented on a path which included the cities of Belle Plaine, Prior Lake, Lakeville and portions of Apple Valley and Farmington. It was in this path that the one death occurred. A woman drowned when wind flipped her pontoon boat over on her on Prior Lake as she neared shore. In Lakeville, 52 mobile homes were destroyed, 40 more sustained major damage and another 110 had minor damage. The second began in Burnsville about 8:20 pm and went through Egan and part of Apple Valley. The third but least destructive began in Eden Prairie and ran east to Bloomington. The airport at Flying Cloud clocked winds of 84 mph while the Minneapolis/St. Paul airport north of Bloomington recorded 61 mph. Major destruction occurred to an unaccountable number of homes, apartments and condominiums in these southern suburbs. At the peak of the storm, Northern States Power estimated that 100,000 customers were without power. Total storm damage approached \$43 billion with 30 million of that in Dakota County. The ASCS also appraised crop loss/damage at \$1.1 million.
Ottertail, Ottertail County	18	1:18 am	20	*5	0	2	5	0	Wind
									Winds up to 85 mph moved through Ottertail. Two people were slightly injured when their mobile home was flipped over and destroyed. Other mobile homes in the area incurred similar damage. The cupola of a grain elevator and a nearby industrial truck garage were damaged. Three and limb damage was common.
Cook County	18	4:00 pm			1	1	0	0	Lightning
									Lightning struck a tree on Saganaga Lake where two men were camping. The bolt went through the roots killing one man and paralyzing the legs of the other man for a short while.
Alexandria, Douglas County	29	7:30 pm	9	*2	0	0	5	4	Wind
									Winds near 80 mph struck a farm 6 miles northwest of Alexandria. A silo and two large farm buildings were leveled. No eye witness reports of a tornado were received. In the same area, hail 1-1/2" in diameter covered the ground completely and damage to small grains was extensive.
MISSISSIPPI									
Mississippi Sound	7	22p			0	0	0	0	Funnel Cloud
									Hancock Co. Civil Defense reported a funnel cloud 8W of Pass Christian.
Washington, Sharkey, Sunflower, Humphreys, Issaquena Counties	21				0	0	5	7	Heavy Rains, Flooding
									Heavy thunderstorms persisted over the lower Delta region from shortly after midnight until around noon. Many sections of the 5-county area received 10 to 15 inches of rain in this 12-hour period. Extensive areas were flooded and remained under water for up to 2 days. Several hundred homes were flooded, the hardest hit area apparently around Belzoni in Humphreys County. More than 1,000 people were evacuated from their homes in the city of Belzoni alone. In addition, thousands of acres of farmland were inundated across the 5-county area, and crop damage amounted to over 10 million dollars. Soybeans and cotton were the hardest hit crops.
Mississippi Sound	26	4:0p			0	0	0	0	Waterspout
									A waterspout was sighted near Deer Island just offshore from Biloxi.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
MISSOURI										NEBRASKA (continued)									
Central and Southwest	2	Afternoon			0	9	?	?	Severe thunderstorm	Lancaster County	4	1:30 PM			0	0	0	0	Funnel Cloud
<p>During the afternoon of July 2, 1980, severe thunderstorms caused extensive damage across much of central and southeast Missouri. Damage was widespread from Morgan, Camden and Miller Counties eastward to the Mississippi River. Trees were uprooted, buildings damaged, power and telephone lines downed. Many streets and highways were blocked due to downed trees. The storm passed thru Osage Beach, Missouri about 1:15PM with one serious injury and extensive property damage to a Lake of the Ozarks Resort Area. Eight people were treated at the Lake Ozark General Hospital for minor injuries. Minor damage was reported in portions of Pulaski and Phelps Counties with 75 MPH winds and the worse damage occurred in Dixon, Missouri. Duba and Steelville, Missouri were among the hardest hit towns in Crawford County. Cuba's Municipal Airport was demolished about 2:30 PM CDT with downed power lines, trees and demolished mobil homes. Steelville, Missouri reported extensive damage to trees, houses and cars but no injuries. Jefferson County - major property damage at Vineland and at a point just south of Hillsboro, winds were estimated at 80 MPH. Extensive damage was reported across the southern portions of Franklin and Jefferson Counties including the towns of Sullivan, Festus and Debo. Between 3:00 and 5:00 PM a severe thunderstorm moved across portions of St. Francois, Ste. Genevieve, Perry and Cape Girardeau Counties resulting in widespread damage to trees, homes, trailers, power and telephone lines and crops. Damage was also reported in Bollinger, Madison, Iron, Reynolds, Wayne, Stoddard, Scott, Mississippi, New Madrid and Butler Counties between 4:30 and 6:30PM.</p>										<p>A funnel cloud was reported near Bernet.</p>									
Pike County	3	Early Morning			0	0	?	?	Severe thunderstorm, heavy rain 5 1/2 inches	Dodge and Washington Counties	4	7:00 PM - 8:00 PM			0	0	4	7	Hail and Damaging Winds
<p>Heavy thunderstorms produced (some flooding) 5 1/2 inches of rain 12-15 miles west of Bowling Green, Missouri late Wednesday Night and early Thursday Morning.</p>										<p>Hail up to 2 inches driven by high winds heavily damaged crops from Dodge east-southeast through Scribner to 10 miles east of Nickerson. Some roofs and windows were also damaged. Trees and power lines were downed in Fremont.</p>									
Warren County	3	Early Morning			0	0	?	?	Severe thunderstorm 3 1/2 to 6 1/2 inches	Saunders County	4	8:00 PM			1	0	0	0	High Winds
<p>The northern part of the county received from 3.5 to 6.5 inches of rain from 1:00AM until 6:00AM on July 3. Flooding occurred along all streams running to the north and east with damage to crops.</p>										<p>A man was killed at Yutan when a tree branch, broken by winds in a thunderstorm, fell on him.</p>									
Adair County	5	Early AM			0	3	?	?	Severe thunderstorm	Gage County	4	8:05 PM			0	0	0	0	Funnel Cloud
<p>Severe thunderstorms moved into northeast Missouri early Saturday Morning causing considerable property damage in Adair and Knox Counties. A mobile home was destroyed 2 1/2 miles east of Sublette, Missouri (just north of Kirksville) with one injury. Another trailer was overturned in the same campground with two injuries.</p>										<p>A funnel cloud was reported at Odell.</p>									
Knox County	5	Early AM			0	0	?	?	Severe thunderstorm	Douglas County	4	8:05 PM			0	0	0	0	Funnel Clouds
<p>Farm buildings damaged on Highway 11 in rural Knox County.</p>										<p>A number of funnel clouds were sighted in west Omaha.</p>									
Lewis County	5	2:10AM			0	0	?	?	Severe thunderstorm	Douglas County	4	8:05 PM - 9:00 PM			0	0	5	5	Hail and Damaging Winds
<p>Around 2:10AM, severe thunderstorms downed trees and power lines near LaGrange and Canton in Lewis County.</p>										<p>Scattered hail of 1/4 to 3/8 inches along with winds gusting 45 to 60 m.p.h. damaged crops and roofs and broke windows.</p>									
MONTANA																			
Rosebud, Treasure Counties	3	Afternoon			0	0	5	5	Strong Winds, Hail	Sarpy County	4	9:00 PM			0	0	0	0	Funnel Cloud
<p>Hail with strong winds destroyed hundreds of acres of crops and downed power poles.</p>										<p>A funnel cloud was reported 5 miles west of Offutt Air Force Base.</p>									
Pondera, Toole, and Liberty Counties	10	Afternoon			0	1	5	5	Hail, strong wind	Cass and Otoe Counties	4	9:00 PM - 9:30 PM			0	0	4	0	Damaging Winds
<p>Marble-size hail and strong winds damaged 10,000 acres. Barns and outbuildings were damaged. One woman was injured severely by a trailer rolling over on her.</p>										<p>Winds estimated 50 to 60 m.p.h. downed trees and utility lines. Most damage was around Otoe.</p>									
Roosevelt County	13	Evening			0	0	5	0	Tornado	Scottsbluff County	10	3:40 PM			1	0	0	0	Lightning
<p>A tornado destroyed a large silo near Culbertson.</p>										<p>A construction worker was struck and killed by lightning at Scottsbluff.</p>									
McCone County	17	Afternoon			0	0	5	0	Lightning	Morrill County	10	8:00 PM			0	0	3	0	Damaging Winds
<p>Two large oil storage tanks were ignited and destroyed by lightning near Circle.</p>										<p>Sixty m.p.h. thunderstorm winds caused some property damage 6 miles east of Bayard.</p>									
NEBRASKA																			
Fillmore County	4	11:55 AM	1/4	20	0	0	2	0	Tornado	Thayer County	10	Afternoon			1	0	0	0	Heat
<p>A tornado touched down briefly 8 miles north of Exeter uprooting trees.</p>										<p>The death of a Davenport man was attributed to heat exhaustion. Temperature was near 105.</p>									
Saline and Lancaster Counties	4	1:00 PM - 2:00 PM			0	0	5	6	Damaging Winds	Douglas County	11	Afternoon			1	0	0	0	Heat
<p>Hail up to 2 1/2 inches driven by 65 to 80 m.p.h. winds damaged siding and roofs, broke windows and damaged crops. One house roof was blown off in Lincoln. Crops were damaged just southwest of Dorchester running east-northeast along the north side of Crete on through the southern portion of Lincoln. The area was 3 to 4 miles wide for a distance of over 50 miles.</p>										<p>The death of an Omaha man was ruled related to heat exhaustion.</p>									
										<p>Wind gusts estimated 80 to 90 m.p.h. in a thunderstorm caused roof and other structural damage to six homes and a factory near Valley.</p>									
										<p>Keith County</p>									
										<p>14 Afternoon</p>									
										<p>The death of a man at Lake McConaughy was given as heat exhaustion.</p>									
										<p>Douglas County</p>									
										<p>15 1:30 AM</p>									
										<p>Gusty winds in a thunderstorm downed trees and power lines in east Omaha and damaged a lodging camp at Eppley Airfield.</p>									
										<p>Platte County</p>									
										<p>15 1:45 AM</p>									
										<p>Winds estimated as high as 80 m.p.h. along with hail damaged crops around Platte Center and Monroe.</p>									
										<p>Jefferson County</p>									
										<p>15 Afternoon</p>									
										<p>The death of two elderly people in 105 degree heat at Fairbury was reported as heat related.</p>									
										<p>Boyd County</p>									
										<p>15 4:00 PM</p>									
										<p>Three quarter to 1 inch hail damaged crops near Anoka.</p>									
										<p>Holt and Knox Counties</p>									
										<p>15 5:55 PM</p>									
										<p>Three quarter inch hail damaged crops at Chambers and into Knox County.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

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)									
Wheeler County	15	7:55 PM			0	0	0	4	Hail
			One and a half inch hail	damaged crops at Bartlett.					
Dodge County	15	8:15 PM			0	0	0	2	Hail
			One inch hail	caused crop damage west of Hooper.					
Saunders County	15	8:30 PM			0	0	4	0	Damaging Winds
			High winds in thunderstorms	downed trees and power lines. Sheds were blown down at Cerceno and a tool shed flattened and a propane tank blown over near Wahob.					
Douglas County	15	8:45 PM			0	0	4	0	Damaging Winds
			High winds in thunderstorms	downed trees, damaged tool sheds and broke a number of windows in the southern area of Omaha.					
Cass County	15	9:00 PM			0	0	5	0	Damaging Winds
			Strong winds in thunderstorms	demolished a mobile home, damaged roofs and caused other structural damage to buildings south of Plattsmouth mainly in Beaver Lake. Other trees and power lines were downed in the county.					
Franklin County	15	10:30 PM			0	0	4	0	Damaging Winds
			Thunderstorm winds	blew the roof off a farm home, leveled a silo and storage shed, and downed trees at a farm north of Franklin.					
Platte County	18	12:00 AM			0	0	3	4	Damaging Winds
			Winds in a thunderstorm	downed trees and caused roof and antenna damage at Platte Center.					
Lincoln County	18	1:25 AM			0	0	2	0	Damaging Winds
			Winds estimated to 40 m.p.h.	in thunderstorms downed trees 15 miles southwest of North Platte.					
Burt County	18	2:30 AM			0	0	2	0	Damaging Winds
			Strong wind gusts in thunderstorms	downed trees and power lines at Tekamah. Some structural damage was reported at a store and a garage was damaged.					
Wheeler County	19	3:35 PM			0	0	3	3	Damaging Winds
			Gusty thunderstorm winds	caused tree and roof damage at Erickson.					
Hall County	19	8:45 PM			0	0	2	0	Damaging Winds
			Fifty-five m.p.h. winds	downed trees at Grand Island.					
Hitchcock County	20	Evening			0	0	0	?	Lightning
			Lightning caused wheat field fires	around Trenton and Fallsade.					
Keith County	22	8:30 PM			0	0	0	0	Funnel Cloud
			A funnel cloud was sighted	at Kingsley Dam, 10 miles north of Ogallala.					
Keith and Perkins Counties	22	8:30 PM - 11:00 PM			0	0	?	6	Hail
			Three quarter to 1 1/2 inch hail	heavily damaged crops around Lemoyne, Ogallala and west of Grant.					
Arthur County	22	8:45 PM			0	0	0	5	Hail
			Hail damaged crops	in northwest Arthur County.					
Keith County	22	8:45 PM			0	0	0	0	Funnel Cloud
			A funnel cloud was sighted	3 miles southwest of Ogallala.					
Keith County	22	9:00 PM			0	0	4	0	Flash Flooding
			Two and a half to 4 inches of rain	in 45 minutes caused flooding around homes and businesses in southern Ogallala.					
Keith County	22	9:05 PM - 9:15 PM			0	0	0	0	Funnel Clouds
			Funnel clouds were reported	2 miles north of Paxton and 2 miles south of Brule.					
Deuel County	22	10:40 PM			0	0	3	5	Hail
			One and a half to 2 inch hail	damaged crops and some roofs around Big Springs.					
Dundy County	23	12:10 AM			0	0	2	0	Damaging Winds
			Thunderstorm winds	downed trees at Benkelman.					

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	7:00 PM			0	0	0	?	Lightning
			Lightning set off grass fires	near Antioch.					
Custer County	24	10:45 PM			0	0	0	?	Lightning
			Lightning set off a grass fire	near Ferns.					
Banner County	25	4:40 PM			0	0	0	0	Funnel Clouds
			Two funnel clouds were reported	west of Harrison.					
Keith County	26	4:30 PM			0	0	0	0	Hail
			Three quarter inch hail	fell briefly near Dayton.					
			Head and lack of rainfall during July	caused severe stress on crops and livestock lbs to much of the state. Eighty-five of 93 counties were reporting drought or near drought conditions. Temperatures peaked in the 90's to over 100 much of the month. The hottest area was the south where around 15 days topped over 100 degrees.					
NEVADA									
Henderson	1	UNK			0	0	5	0	Heavy Thunderstorm
									Damage to private property.
Yerington	2	UNK			0	0	0	0	Local flooding
									Due to snow melt runoff.
Ruby Lake	13	UNK			0	0	0	0	Windstorm
			Winds estimated over 60 mph	downed trees. (Gusts to 85 kts at Elko Airport)					
Vicinity of Ely	24	UNK			0	0	0	0	Thunderstorm
			Heavy rain caused local rural	flooding.					
Las Vegas	30	3 PM			0	0	5	0	Heavy Thunderstorm
			Locally heavy rains caused	flooding of many city streets and underpasses. Damage was mainly to vehicles. Numerous power outages were noted.					
NEW HAMPSHIRE									
Statewide	11	2-10p			0	0	0	0	Lightning & Hail
			Severe thunderstorms rumbled	across area with numerous hail reports causing scattered crop damage with the Litchfield-London-derry area hardest hit. There were reports of large hailstones from Hancock, 1 to 2 inch; Millford, 2 inch; Merrinack, golfball; Litchfield, 3/4 to 1-3/4 inch; Nashua, 1 to 1-1/8 inch; East Derry up to 1 inch; Eaton, 1 1/2 to 1-3/4 inch; and Tazeworth 5/8 inch. Lightning strikes caused scattered power outages, fires and damage to buildings and trees, and to utility poles and transformers. A severe thunderstorm watch was in effect from 1 pm to 7 pm and extended to 8 pm. Timely warnings were issued by NWS Concord.					
Nashua & Kingston, S. Hillsborough and Rockingham Counties	17	4-7p			0	0	4	0	Wind & Heavy Rain
			A severe thunderstorm cut a path	200 yards long by 50 yards wide, uprooting 30 to 40 trees in the southern section of Nashua. There were some power outages and minor urban flooding. Portsmouth Coast Guard Station reported 50 mph wind gusts.					
Wolfeboro & Ossipee, Carroll County	21	Late Eve.			0	0	5	0	Winds & Lightning
			Heavy thunderstorms in the	Central Lakes Region downed trees onto four cottages near Wolfeboro. Lightning caused a fire to destroy an auto dealer's building in Ossipee.					
Gilford, Belknap County	27	6p			0	1	3	0	Lightning
			Lightning struck a brick chimney,	blowing it apart, then blew out a 6 x 3 foot wall causing flying debris to gash a resident. Lightning also blew out the electrical switchbox.					
Winchester & Fitzwilliams, S. Cheshire County	30	8-10p			0	0	3	0	Wind
			A violent thunderstorm felled	several trees, knocked out power for a few hours to about 250 residences in the area.					
NEW JERSEY									
(Coastal) Burlington Co. Monmouth Co.	16	4:30p			0	0	6	?	Violent rains, High speed winds, Severe Thunderstorms
			Violent rains coupled with	50-mile per-hour winds knocked out electricity to thousands of residents, businesses, and paralyzed traffic on every major highway. Structural damage to personal and public property was extreme. A skating rink in Evesham was blown apart when two walls disengaged from the building amid torrential rains and tornado-like gusts.					

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NEW MEXICO Cubero, Valencia County	21	5:00 p to 6:00 p			0	0	4	0	Heavy Rain, Flash Flooding
					Localized rain near three inches caused flooding, damaging ten homes, washing out roads, and sweeping cars into arroyos.				
NEW YORK COASTAL Extreme Southeast Nassau, Suffolk Co. Metropolitan Area Westchester Co. Southern Putnam Co. Scarsdale, Eastchester and Tuckahoe Counties	22	8:40p			0	0	?	?	Severe Storm with Tornado-like winds
					Whipping high powered winds, tornado-like, caused heavy amounts of property damage and left thousands without electrical power. The winds were bending trees to the ground and knocked down "approximately 35 trees in the tri-community area."				
South Farmingdale	29	pm			1	0	?	?	Torrential rain
					A 13 year old boy was drowned in the torrential rain storm, when he was swept into a conduit pipe under a road.				
NEW YORK CENTRAL DELAWARE, OTSEGO, SOUTHERN HERKIMER, SCHCHARIE, GREENE, COLUMBIA, MONTGOMERY, AND ULSTER COUNTIES	8	1:30 P- 4:30 P			0	0	4	0	*C THUNDERSTORMS
					50 TO 60 MPH WINDS IN THUNDERSTORMS ALONG WITH VIVID LIGHTNING, DOWNED MANY TREES AND POWERLINES. MANY AREAS LOST ELECTRICAL POWER AND TELEPHONE SERVICE. MANY AREAS ALSO REPORTED WIND DAMAGE TO PRIVATE HOMES, AUTOMOBILES AND BUSINESSES. A FEW AREAS ALSO REPORTED SMALL HAIL IN THE STORMS.				
ALBANY, SARATOGA, RENSSELAER, & COLUMBIA COUNTIES	11	3P-5P			0	3	5	0	*C THUNDERSTORMS & MINI TORNADO
					HAILSTONES UP TO 1 1/2 INCHES ALONG WITH WINDS UP TO 65MPH CREATED WIDESPREAD DAMAGE. MANY TREES & POWERLINES WERE DOWNED IN THE AREA. A MINI-TORNADO WAS SIGHTED IN SOUTHERN ALBANY COUNTY AND ALSO DETECTED ON WEATHER SERVICE RADAR AT THE ALBANY AIRPORT. LIGHTNING STRUCK AND INJURED TWO TEENAGERS IN A FARM IN DOWNTOWN ALBANY. A MAN WAS ALSO INJURED BY LIGHTNING IN TROY WHEN IT STRUCK HIS TRUCK. IN SARATOGA COUNTY LIGHTNING HIT TWO BARNES CAUSING FIRES AND MAJOR DAMAGE TO BOTH OF THEM.				
ORANGE, PUTNAM AND SOUTHERN DUTCHESS COUNTIES	16	5:45P- 6:30P			0	0	4	0	*C THUNDERSTORMS
					WINDS UP TO 70 MPH WERE REPORTED IN THUNDERSTORMS WHICH DOWNED MANY TREES AND POWERLINES AND AS MANY AS 14,200 PEOPLE WERE WITHOUT ELECTRICITY. MORE THAN SEVEN STORES REPORTED ROOFS RIPPED OFF FROM THE STORM IN ORANGE COUNTY. LIGHTNING STRUCK A POLICE STATION IN SOUTHERN DUTCHESS COUNTY BUT ONLY CAUSED MINOR DAMAGE.				
DUTCHESS, ULSTER, ALBANY, RENSSELAER AND COLUMBIA COUNTIES	21	4P-9P			0	0	5	0	*C THUNDERSTORMS
					STRONG WINDS, HAIL AND FREQUENT LIGHTNING DOWNED MANY TREES AND POWERLINES. TREES BLOCKED MANY ROADS. LIGHTNING CAUSED SPOTTY FIRES DAMAGING A FEW HOMES, ONE HEAVILY IN COLUMBIA COUNTY, AND DESTROYING A BARN IN DUTCHESS COUNTY.				
NEW YORK WESTERN Holland Patent, Oneida County	21	4:04 AM	1/4	70			5		Tornado
					Tornado passed through an area 3 1/2 miles west of the town. It disintegrated a sturdy barn to small pieces. Roofs of several houses were blown away. It dislodged one house an inch from its foundation and felled many huge trees.				
Medina, Orleans County	21	9 PM					4		Wind
					Strong winds from a thunderstorm downed trees which fell onto houses. Two were damaged.				
Jamestown, Harmony, Busti, Kiantone, Chautauque County	21	Afternoon					5		Wind & Rain
					A thunderstorm with damaging winds and heavy rains rendered extensive wind and water damage to property. Utility poles were pulled from the ground and snapped power lines. Several barns were flattened. Many trees were uprooted. Two cows that were near broken power lines were electrocuted. Many basements suffered flooding damage.				
Wheatfield, Niagara COUNTY	26	2:25 PM					3		Wind
					Strong winds from a thunderstorm severed gutters, downspouts and ceilings of several homes. Some swimming pools sustained structural damage.				
Seneca Falls, Monroe County	27	Evening					0	0	C Hail and Wind
					Strong winds and cherry-sized hail broke power lines and many tree limbs. The hail left several orchards with extensive damage.				
NEW YORK (continued) WESTERN Dunkirk & Fredonia, Chautauque County	28	Evening					4		Lightning & Rain
					Lightning struck power lines and inconvenienced many residences for several hours. Water covered many parking lots and streets. Grocery stores suffered some flooding damage. Motorists who misjudged the depth of inundated roads were forced to abandon their cars.				
NORTH CAROLINA Wayne County Goldsboro	3	5:39pm	?	?	0	0	0	0	Tornado
					Air Force Weather Observer saw a funnel cloud dip down to the ground for a short period of time, then lift up again. There was no damage. The thunderstorm was moving east.				
Brunswick County Caswell Beach	4	6:17pm	0	0	0	0	0	0	Wind
					U.S. Coast Guard Station reported gusts to 52 knots from a thunderstorm.				
Suncombe County Asheville	10	2:30pm	0	0	0	0	4	?	Wind
					A thunderstorm moved east through Asheville with trees uprooted and power lines downed. Winds were reported over 50 mph and some small hail.				
Burke and Catawba Counties	10	2:45pm	0	0	0	0	0	5	Wind
					A severe thunderstorm moved eastward through Burke County into Catawba County. One diner in Drexel, Burke County, lost its roof. Also, heavy damage occurred in the Clairport and Carover areas in Catawba County. Winds were estimated near 80 mph near the Hickory Airport.				
Union County Marshfield 10 E Monroe	10	4:30pm	0	0	0	0	5	0	Wind
					A severe thunderstorm moved east through Union County. A chicken house was destroyed near the Town of Marshfield with some other minor damage reported in the Marshfield area.				
Sampson County Midway	10	6:30pm	0	0	1	0	0	0	Lightning
					A woman was killed by lightning while removing clothes from the washline.				
Sampson County 2 W. Roseboro	10	6:32pm	?	?	0	0	3	?	Tornado
					A tornado touched down briefly causing damage to two cars when trees fell on them. Roof taken off carpets and shed. Storage building damaged. Shingles torn off house.				
Stanly County Lake Tillery	12	10:35pm	0	0	0	0	3	0	Wind
					Severe thunderstorm moved east through Stanly County with high winds destroying a boat house and pier on Lake Tillery.				
Onslow County Kellum SNE Jacksonville	23	4:45pm	0	0	0	0	0	0	Funnel Cloud
Portsmouth Island	23	4:50pm	0	0	0	0	0	0	Waterspout
					A waterspout was reported just south of Portsmouth Island.				
Brunswick County Ocean Isle Beach	25	9:30am	0	0	1	0	0	0	Lightning
					A thirteen year old gile was killed by lightning while walking on the east end of the beach during a thunderstorm.				
New Hanover County East of Wrightsville Beach	26	7:48am	0	0	0	0	0	0	Waterspout
NORTH DAKOTA Dickinson (Stark County)	3	2:15 p CST			0	0	0	5	Hail
					Hail caused severe crop damage.				
Cartwright (McKenzie County)	3	4:30 p CST			0	0	0	5	Hail
					Hail caused severe crop damage.				
Bismarck (Burleigh County)	3	6:18 p CST			0	0	4	0	Wind
					Winds up to 59 mph knocked down trees, damaged the roof of a paint store and destroyed a mobile home.				
Richardton (Stark County)	5	5:00 p CST			0	0	0	0	Hail
					Hail the size of half dollar. No damage reported.				

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NORTH DAKOTA (continued)									
Almont 8SW (Morton County)	5	5:10 p CST			0	0	0	0	Hail
			Golfball size hail. No damage reported.						
New Salem (Morton County)	5	5:20 p CST			0	0	4	5	Hail, Wind
			Golfball size hail destroyed crops. High winds broke off tree limbs, blew out windows, and overturned small buildings.						
Watford City (McKenzie County)	5	5:40 p CST			0	0	0	5	Hail
			Half dollar size hail did severe crop damage.						
Roseglen (McLean County)	5	6:00 p CST			0	0	0	5	Hail
			Hail caused severe crop damage.						
Stanley (Mountrail County)	5	7:47 p CST			0	0	4	0	Hail, Wind
			Hail one inch in diameter was reported. High winds blew over trees, tore part of a roof off a motel, and damaged several buildings.						
Ross (Mountrail County)	5	7:50 p CST	?	?	0	0	3	0	Tornado
			Tornado touched down briefly, and tore the roof off a barn.						
Palmer 6SW (Mountrail County)	5	7:59 p CST							Funnel
Minot (Ward County)	5	8:59 p CST			0	0	0	0	Hail
			Golfball size hail. No damage reported.						
Minot 6S & 1E (Ward County)	5	9:15 p CST	?	?	0	0	0	0	Tornado
			Tornado touched down briefly. No damage reported.						
Rock Lake (Towner County)	6	10:15 p CST			0	0	0	5	Hail
			Hail caused severe crop damage.						
York (Benson County)	6	11:05 p CST			0	0	5	5	Hail
			Golfball size hail broke car and house windows, dented buildings, damaged roofs, and severely damaged crops.						
New Town (Mountrail County)	10	4:00 p CST			0	0	3	0	Wind
			Strong winds took a porch off a house, blew down a radio antenna, destroyed a pole barn, and ripped shingles off a house.						
Heil (Grant County)	10	6:15 p CST			0	0	0	4	Lightning
			Fire, started by lightning, burned 200 bales of hay.						
Fort Yates (Sioux County)	10	7:15 p CST			0	0	0	4	Lightning
			Lightning started numerous grass fires.						
Lisbon (Ransom County)	10	10:10 p CST			0	0	0	4	Hail
			Hail extensively damaged area crops.						
Buttsville (Ransom County)	10	10:10 p CST	?	?	0	0	4	0	Tornado
			Tornado destroyed pole barn roofs, and trees, and damaged a grain elevator.						
Mohall 17W (Renville County)	10	10:15 p CST							Funnel
Absaraka (Cass County)	10	10:30 p CST							Funnel
Amenia (Cass County)	10	10:30 p CST							Funnel
West Fargo (Cass County)	10	10:55 p CST							Funnel
Hazleton (Emmons County)	13	5:30 p CST			0	0	4	3	Wind/Lightning
			High winds blew down a pig barn, twisted a granary, blew over a barn, and damaged trees. A fire, started by lightning, burned haystacks.						
Bismarck 30E (Burleigh County)	13	6:25 p CST			0	0	0	0	Hail
			Hail 3/4 inch in diameter. No damage reported.						
Steele 7H (Kidder County)	13	7:16 p CST							Funnel
Steele 5NE (Kidder County)	13	7:30 p CST			0	0	4	0	Wind
			High winds tore the roof off a building, and blew out windows on a trailer house.						
Coulee (Mountrail County)	13	11:20 p CST			0	0	0	0	Wind
			Winds up to 60 mph. No damage reported.						
Garrison (McLean County)	14	12:40 a CST			0	0	3	0	Wind
			High winds broke up docks at the Garrison Recreational Area.						
NORTH DAKOTA (continued)									
Mandan 8S (Morton County)	15	6:30 p CST			0	0	3	4	Hail
			Golfball size hail damaged several acres of crops, and broke windows on a greenhouse.						
Lansford 12W (Renville County)	15	6:35 p CST							Funnel
Lansford 15NW (Renville County)	15	8:21 p CST							Funnel
Cooperstown (Griggs County)	15	8:40 p CST			0	0	0	0	Hail
			Hail 3/4 inch in diameter. No damage reported.						
Chaffee 6E (Cass County)	17	9:47 p CST			0	0	0	5	Hail
			Hail 1-3/4 inches in diameter damaged crops.						
Montpelier (Stutsman County)	17	9:55 p CST			0	0	5	5	Hail, Wind
			Golfball size hail and 70 mph winds broke car windows, toppled trees, and damaged crops.						
Litchville (Barnes County)	17	9:55 p CST			0	0	0	5	Hail
			Large hail caused extensive crop damage.						
Marion (LaMoure County)	17	9:55 p CST			0	0	0	5	Hail
			Hail up to 2 inches in diameter caused extensive crop damage.						
Kathryn (Barnes County)	17	10:00 p CST			0	0	5	5	Hail, Wind
			Hail the size of golfball and high winds broke windows on cars and houses, dented cars, and extensively damaged crops.						
Enderlin (Ransom County)	17	10:20 p CST							Funnel
Fort Ransom (Ransom County)	17	10:20 p CST			0	0	4	5	Hail
			Hail and high winds damaged crops, broke windows, ripped shingles off buildings, and dented roofs.						
Wahpeton (Richland County)	18	1:00 a CST			0	0	0	5	Hail
			Hail caused severe crop damage.						
Rugby 5W (Pierce County)	20	1:15 p CST							Funnel
Fort Yates 25SW (Sioux County)	20	4:00 p CST			0	0	0	5	Hail
			Hail caused severe crop damage.						
Dunseith 10S (Rouleau County)	20	4:58 p CST							Two Funnels
Cando 8E (Rouleau County)	20	5:05 p CST							Funnel
Bowbells 2N (Burke County)	23	3:25 p CST							Funnel
Minot Area (Ward County)	23	4:29 p CST			0	0	0	0	Wind
			Winds of 63 mph at Minot Airport and 67 mph at Minot AFB. No damage reported.						
Rugby (Pierce County)	23	6:10 p CST			0	0	3	0	Wind
			Strong winds destroyed a garage.						
Belcourt 4W (Rouleau County)	23	5:35 p CST	?	?	0	0	0	0	Tornado
			A tornado touched down briefly. No damage reported.						
Moffit (Burleigh County)	23	11:15 p CST			0	0	0	4	Lightning
			A fire, started by lightning, burned down haystacks.						
Carson (Grant County)	27	5:00 p CST			0	0	0	4	Hail
			Hail one inch in diameter did moderate crop damage.						
New Leipzig 10N (Grant County)	27	5:00 p CST			0	0	0	4	Hail
			Hail one inch in diameter did moderate crop damage.						
Jamestown 10W (Stutsman County)	29	9:44 p CST			0	0	0	0	Hail
			Golfball size hail. No damage reported.						
Litchville (Stutsman County)	30	12:15 a CST			0	0	4	0	Lightning
			A fire, started by lightning, destroyed a barn.						
Kindred (Cass County)	30	12:30 a CST			0	0	0	0	Wind
			Winds of 60 mph. No damage reported.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NORTH DAKOTA (continued)									
Mapleton (Richland County)	30	1:45 a CST			0	0	0	0	Hail
Hail 3/4 inch in diameter. No damage reported.									
OHIO									
ALL TIMES EASTERN STANDARD TIME									
Holmes County	3	2-4AM	-	-	0	0	5	0	Heavy Rain
A thunderstorm moved across the county dumping 3 to 4-1/2 inches of rain in two hours. The rain resulted in flooding of crop lands and at least 2 bridges were washed out by rain swollen creeks.									
Pioneer, Williams County	5	7AM	-	-	0	3	5	0	High Winds
A thunderstorm with 60 mph winds downed trees and utility lines. A mobile home 3 miles south of Pioneer was overturned seriously injuring one resident.									
Paulding, Paulding County	5	7:05AM	3	100	0	6	5	0	Tornado
A tornado touched down 1/2 mile south of the city. The storm destroyed 2 homes and heavily damaged 3 homes and several barns. Six people were slightly injured.									
Butler and Hamilton Counties	5	7:15AM	-	-	0	3	5	0	Lightning, High Wind
A thunderstorm with 60 to 70 mph winds moved through these counties. Several trees and lines were downed and minor structural damage occurred. Three golfers in Middletown were struck and injured by lightning, one seriously.									
Van Wert, Mercer Darke and Preble Counties	5	7:30AM	-	-	0	0	5	0	High Winds
A line of thunderstorms moved through these counties. 70 mph winds downed trees and utility lines and did minor structural damage.									
Allen, Putnam, Hancock and Hardin Counties	5	7:40AM	-	-	0	2	5	0	High Winds
Thunderstorms with 70 mph winds moved through these counties downing trees and utility lines and doing structural damage. A mobile home was overturned in Williamstown in Hancock county injuring one resident. Also a woman was struck by a falling limb as she walked along a road in Hardin County.									
Auglaize, Champaign Shelby and Logan Counties	5	8:25AM	-	-	0	10	5	0	High Winds
A line of thunderstorms with 70 to 80 mph winds overturned at least 6 mobile homes and downed several trees and lines. Also minor structural damage was done to several buildings. Seven mobile home residents were injured and three others were injured by flying glass and falling limbs.									
Put-In-Bay, Ottawa County	5	8:30AM	-	-	0	0	4	0	High Winds
A thunderstorm with 60 mph winds downed trees and damaged several boats.									
Union, Marion, Crawford and Wyandot Counties	5	8:30AM	-	-	0	1	5	0	High Winds
Thunderstorms with 60 to 70 mph winds downed trees and lines and did minor structural damage. A store window in Bucyrus blew out injuring a man.									
Iberia, Morrow County	5	8:35AM	1/4	35	0	1	4	0	Tornado
A mini tornado touched down 1/2 miles south of the city severely damaging a house, leveling some farm buildings and tumbling a car 60 feet across a field.									
Hocking, Delaware, Franklin, Pickaway and Ross Counties	5	8:45AM	-	-	1	0	6	0	High Winds
Thunderstorms with 60 to 70 mph winds downed trees and lines and did considerable structural damage. A boat was overturned in Hoover Reservoir and one of the occupants drowned.									
Richland, Ashland, and Knox counties	5	8:50AM	-	-	0	0	4	0	High Winds
Thunderstorms with 80 mph winds moved across these counties downing trees and lines and damaging buildings.									
Cuyahoga County	5	9:25AM	-	-	1	0	4	0	High Winds
A thunderstorm with 60 mph winds moved through the Greater Cleveland area downing trees and utility lines and damaging some buildings. A man was washed into Lake Erie by waves and drowned.									
Wayne and Coshocton Counties	5	9:45AM	-	-	0	0	4	0	High Winds
Thunderstorms with 60 mph winds downed trees and lines and damaged several farm buildings.									
Pike, Pike County	5	9:45AM	-	-	0	5	5	0	High Winds
A thunderstorm with 80 mph winds damaged six houses and overturned several mobile homes. Five mobile home residents were injured.									
Ashtabula	7	10:30PM	-	-	0	0	4	0	High Wind
A thunderstorm with 70 mph winds downed several trees and utility lines and damaged several buildings.									
OHIO (continued)									
Cuyahoga, Lake and Geauga Counties	8	5AM	-	-	0	0	6	0	Lightning, Heavy Rain
Heavy thunderstorms moved into these counties off of Lake Erie. The storms were accompanied by heavy rain of up to 3-1/2 inches and almost continuous lightning. Lightning strikes started over 50 fires with the largest being a horse barn in Geauga County. The heavy rain caused some urban flooding of streets and basements.									
Mahoning County	8	5:30AM	-	-	0	0	4	0	Hail, High Wind
A thunderstorm with 50 mph winds and golf ball sized hail moved across the county. Trees were downed and there was some minor structural damage.									
Tuscarawas County	8	12:40PM	-	-	0	0	4	0	Hail
A thunderstorm produced one-inch diameter hail and very heavy rain in the county. Some crops were lost in the fields.									
Carroll County	8	1:05PM	-	-	0	0	4	0	Hail
A thunderstorm produced 1/2 inch hail as it passed over the county. The hail did some structural damage and destroyed some crops.									
Jefferson County	8	1:15PM	-	-	0	0	4	0	High Wind
A thunderstorm with 50 to 60 mph winds downed several trees and utility lines and did minor structural damage.									
Muskingum County	8	2PM	-	-	0	0	4	0	High Wind
A thunderstorm with 60 mph winds downed trees and utility lines and took off roofs and blew out windows.									
Washington County	8	3:19PM	-	-	0	0	4	0	Hail, High Wind
Thunderstorms produced 3/4 inch hail and 60 mph winds in the Marietta area. The winds downed several trees and lines. Also the hail and wind did some structural damage.									
Athens County	8	4:10PM	-	-	0	0	4	0	High Winds
A thunderstorm with 60 to 70 mph winds moved across the county. Several trees were downed and several farm out buildings were heavily damaged.									
Montgomery and Greene Counties	8	4:25PM	-	-	0	0	5	0	Hail
Thunderstorms moved through these counties and produced hail up to 2 inches in diameter. The hail damaged roofs, knocked out windows, damaged cars and destroyed crops.									
Montgomery County	8	5:20PM	-	-	0	0	4	0	Hail
A second thunderstorm moved through the county and produced 3/4-inch hail. The hail did minor structural damage and destroyed some crops.									
Gallia, Jackson, Meigs and Washington Counties	8	5:30-7:45PM	-	-	0	0	5	0	High Wind, Hail Heavy Rain
Thunderstorms moved through these counties producing winds to 60 mph, golf ball sized hail and up to 4 inches of rain. Flooding of streets and basements occurred in Gallipolis and Marietta. The wind downed several trees and utility lines and did significant structural damage, especially to farm buildings.									
Hamilton, Butler County	8	6:15PM	-	-	0	0	6	0	High Wind, Heavy Rain
Up to three inches of rain and winds to 80 mph hit the city flooding streets and doing significant structural damage and downing several trees and utility lines.									
Hamilton County	8	9:50PM	-	-	0	0	4	0	High Wind
70 to 80 mph winds from a thunderstorm moved through the southwest half of the county. The wind downed trees and utility lines and damaged roofs and knocked out windows.									
Millville, Butler County	9	4:30AM	-	-	0	0	5	0	High Wind
A thunderstorm with 60 mph winds overturned a mobile home, downed trees and lines and damaged some buildings. A small airport in the county recorded 83 mph winds.									
Adams, Highland and Brown counties	9	5:15AM	-	-	0	0	4	0	High Wind, Heavy Rain
A thunderstorm with high winds and up to 3 inches of rain passed through the counties. The rain caused flooding of drainage systems and several bridges were washed out by flooding creeks. The winds downed trees and lines and damaged some buildings.									
Findlay, Hancock County	9	10:55AM	1/4	50	0	0	3	0	Tornado
Four Findlay policemen were tracking a funnel and saw the mini tornado touch down briefly along I-75 about 3 miles southwest of the city. The storm touched down in a rural area and did little damage.									
Logan, Allen and Auglaize Counties	9	11:30AM	-	-	0	0	4	0	Hail, High Wind
Thunderstorms with 65 mph winds and 1-inch hail moved across these counties. Four mobile homes were overturned and destroyed and trees and lines were downed.									
Butler and Warren Counties	9	12:30PM	-	-	0	0	4	0	High Wind
Thunderstorms with damaging winds downed trees and lines and damaged a number of buildings.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OHIO (continued)									
Montgomery and Clark Counties	9	1240PM	-	-	1	0	5	0	Hail, High Wind lightning
A thunderstorm moved through these counties doing considerable damage. Winds were clocked at 64 mph at the Dayton Airport and one-inch hail fell in many areas. A cemetery worker in Dayton was killed when he was struck by lightning.									
NW Fairfield County	9	105PM	1/2	60	0	0	4	0	Tornado
A mini tornado touched down briefly in a rural area along route 204 north of Pickerington. Damage was to farm buildings and a wooded area.									
Franklin and Licking Counties	9	105PM	-	-	0	0	4	0	Hail, High Wind
A thunderstorm with 1-inch hail and strong winds crossed the county. Winds at the Columbus airport were measured at 68 mph. Several trees were down and several buildings sustained minor damage.									
Clinton County	9	155PM	-	-	0	0	4	0	High Wind
A thunderstorm with 60 mph winds downed trees and did minor damage to several farm buildings in the Wilmington area.									
Scioto County	9	4PM	-	-	0	0	4	0	High Wind
A thunderstorm with high winds destroyed several farm buildings and downed trees and utility lines.									
Lawrence County	9	9PM	-	-	0	0	5	0	High Wind
A thunderstorm with high winds did considerable damage in the Scottown and Pleasant Ridge areas.									
Summit and Stark Counties	11	350PM	-	-	0	0	4	0	Hail, High Wind
A thunderstorm with 60 mph winds and 1-inch hail moved through these counties. Three-quarter inch hail was reported at the Akron Center airport at 350PM EST. The wind did moderate damage to buildings in Stark County.									
Cuyahoga County	11	5PM	-	-	0	1	3	0	Lightning
A woman on a picnic in a Cleveland park was struck and seriously injured by lightning.									
Guernsey, Coshocton and Tuscarawas Counties	11	540PM	-	-	0	0	5	0	Hail, High Wind
Thunderstorms with damaging winds and hail up to baseball size moved through these counties. There were several reports of damage to farm buildings and of trees and lines down.									
Logan, Champaign and Allen Counties	12	145PM	-	-	0	0	5	0	Hail, High Wind
A thunderstorm with baseball size hail and damaging winds passed through these counties, severely damaging crops. Also minor damage was done to some buildings and trees were downed.									
Madison, Franklin, Fayette, Pickaway, Ross	12-445PM	-	-	-	0	28	7	0	Hail, High Wind
A number of heavy thunderstorms moved across these counties from northwest to southeast. The storms produced baseball sized hail and 80 mph winds. Crops were severely damaged and over 200 buildings were damaged. 70 campers were overturned at Deer Creek Park in Pickaway county. Also Pickaway airport had severe damage with 12 planes being destroyed. The Madison county fair was hit with several tents collapsing.									
Circleville, Pickaway County	12	315PM	1/4	75	0	0	5	0	Tornado
A mini tornado touched down six miles south of Circleville damaging a lumber yard and taking off several roofs.									
Wyandot County	12	4PM	-	-	0	0	4	0	Hail
Baseball sized hail fell in the upper Sandusky area destroying crops.									
Ironton, Lawrence County	12	430PM	1/4	50	0	0	4	0	Tornado
A mini tornado touched down just northeast of Ironton in a rural area. Some farm buildings were destroyed.									
Vinton, Gallia, Lawrence, Scioto and Jackson Counties	12	445-530PM	-	-	0	0	6	0	Hail, High Wind
Baseball sized hail and strong winds destroyed thousands of acres of crops, downed trees and lines and did minor structural damage.									
Morrow and Crawford Counties	12	455 PM	-	-	0	0	5	0	Hail
One and one-half inch diameter hail damaged crops and buildings in these counties.									
Marion County	12	520PM	-	-	0	0	4	0	Hail
One inch diameter hail damaged buildings and destroyed crops.									
Paulding County	12	6PM	-	-	0	0	4	0	Hail
Golf ball size hail fell throughout the county destroying crops and damaging buildings.									
Franklin, Licking and Muskingum Counties	12	645PM	-	-	0	0	5	0	Hail, Heavy Rain
Up to 3 inches of rain and 1 inch hail fell from a thunderstorm flooding low lying areas and destroying crops and damaging buildings.									
Allen and Auglaize Counties	12	615-645PM	-	-	0	0	5	0	Hail
Baseball size hail from a thunderstorm destroyed crops and damaged several buildings.									
OHIO (continued)									
Fairfield County	12	725PM	-	-	0	0	4	0	High Wind
A thunderstorm with 60 mph winds downed trees and lines and damaged several farm buildings.									
Adelphi, Hocking County	12	845PM	1/4	55	0	0	4	0	Tornado
A small tornado touched down briefly just southeast of Adelphi damaging a farm and uprooting trees in a wooded area.									
Conneaut, Ashtabula County	16	1144PM	-	-	0	0	4	0	High Wind
A thunderstorm moved into the county off Lake Erie. 60 mph winds downed trees and did minor structural damage.									
Stark, Wayne and Holmes Counties	17	11AM	-	-	0	0	4	0	High Wind
A thunderstorm with high winds damaged several trees and lines, took off some roofs and blew out windows in several buildings.									
Mahoning, Trumbull and Columbiana Counties	17	115AM	-	-	0	0	4	0	High Winds
Severe thunderstorms with winds of 70 to 80 mph passed through these counties downing trees and lines and damaging several structures.									
Carroll County	17	145AM	-	-	0	0	4	0	High Winds
A thunderstorm with strong winds moved through the county downing trees and lines and damaging several farm buildings. The storm passed over a campground toppling several tents and campers. Two campers were destroyed.									
Stark, Summit, Wayne and Portage Counties	21	245-330PM	-	-	0	1	4	0	High Wind, Hail
Thunderstorms with damaging winds and hail up to 1 inch in diameter moved through these counties. A ten year old girl was injured in Stark county when a tree fell on a car in which she was riding.									
Mt. Vernon, Knox County	21	430PM	-	-	0	0	4	0	High Wind
A thunderstorm with 70 to 80 mph winds damaged several farms and downed trees and utility lines in the Mt. Vernon area.									
Butler and Montgomery Counties	21	550PM	-	-	2	2	4	0	Lightning
Lightning struck and seriously injured 2 golfers in the Middletown area. In the Dayton area 2 men were killed by lightning in separate incidents, one while pitching horseshoes and the other while seeking shelter in a park. Lightning strikes also started several fires.									
Union County	21	550PM	-	-	0	0	5	0	High Wind
A thunderstorm with high winds destroyed several barns, a car and a mobile home near Clairbourne in the northern part of the county.									
Williams, Fulton, Erie, Lorain, Cuyahoga Lake and Ashtabula Counties	28	Afternoon	-	-	0	0	5	0	Heavy Rain
A series of thunderstorms moved through northern Ohio dumping four to five inches of rain in these counties. Several basements and urban drainage systems were flooded by the excessive rainfall.									
Entire State	1st-31st	-	-	-	0	0	7	0	Heavy Rain, Hail, High Wind
Several thunderstorms with hail, very heavy rain and gusty winds struck the state during the month. Crop damage was extremely heavy in several areas of the state. Loss estimates were in the \$30 million range.									
OKLAHOMA									
Collinsville area, Tulsa County	26	5100a-5115a	-	-	0	0	4	0	Wind
Winds likely in excess of 50 knots damaged 2 mobile homes located two miles southwest of Collinsville. One mobile home was unroofed. The other mobile home was moved approximately 12 feet from its foundation. A storage shed in Collinsville was destroyed. Several trees were damaged or blown down. Electric service was interrupted.									
Statewide	Entire Month	-	-	-	37	?	?	8	Extreme Heat and Drought
Extremely high temperatures were indirectly responsible for 37 fatalities and several hundred injuries in Oklahoma. The extreme heat and drought conditions were directly responsible for several hundred million dollars damage to crops and livestock. Depending upon the type of crop, yield reductions of 20 to 50 percent were anticipated. Livestock and poultry losses in the form of below normal weight gains, milk production, etc. were significant. Damage to roads and bridges occurred due to cracking and buckling caused by the heat. Expansion of railway tracks was responsible for at least one train derailment. Temperatures far above seasonal normals began in late June and continued through the entire month of July. Many temperature records were broken across the state.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

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	
OREGON									
LaGrande, Union Co.	8	4-6PM	-	-	0	0	UNK	-	Lightning
Pendleton, Umatilla Co.	8	5 PM	-	-	0	0	UNK	-	Lightning
Eugene, Lane Co.	9	Night	-	-	0	0	UNK	-	Lightning
Medford, Jackson Co.	28	Evening	-	-	0	0	UNK	-	Lightning
Pendleton, Umatilla Co.	28	Evening	-	-	0	0	UNK	UNK	Lightning-Forest Fires
Klamath Falls, Klamath Co.	29	Afternoon	-	-	0	0	UNK	UNK	Lightning, Wind
Medford, Jackson Co.	31	Evening	-	-	0	0	UNK	UNK	Lightning, Forest Fires
Ukiah, Umatilla Co.	31	Evening	-	-	0	0	UNK	UNK	Lightning, Forest Fires
NO DATA RECEIVED									
PACIFIC									
PENNSYLVANIA EASTERN									
NO DATA RECEIVED									
PENNSYLVANIA WESTERN									
NO DATA RECEIVED									
PUERTO RICO									
NONE REPORTED									
RHODE ISLAND									
NONE REPORTED									
SOUTH CAROLINA									
Greenville, Spartanburg, Union Counties, South Carolina	4	1600-1800	-	-	1	4	3		Lightning and Windstorm
			A severe thunderstorm moved through the area producing high winds and sharp lightning. One man was struck by lightning as he talked on the telephone in Greenville. Several homes and automobiles were damaged and numerous trees downed causing extensive power outages.						
Greenville, Spartanburg, Union, and Cherokee Counties, South Carolina	10	1600-1900	-	-	1	5	4		Lightning and Windstorm
			Severe thunderstorm with winds near 60 MPH moved through the area causing extensive damage to homes, mobile homes, outhouses, and automobiles. Numerous trees were uprooted and also extensive utility damage. One person struck by lightning in Spartanburg County.						
Lexington, Richland, and Sumter Counties, South Carolina	10	1630-1830	-	-	1	4	5	4	Windstorm
			High winds associated with strong thunderstorms killed one airman at a baseball field as the dugout was blown over on him at Shaw AFB in Sumter. Also four people injured when mobile home was blown over on a car. Extensive damage to roofs of buildings, signs, and billboards were downed, and extensive utility damage with numerous trees downed.						
Loris and Surfside Beach in Horry County, South Carolina	10	1900-2030	-	-	1	2	4	0	Windstorm
			Severe thunderstorm with associated high winds knocked down two dugouts at a baseball field in Surfside killing an 11 year old child and injuring two coaches in the other dugout. One coach was injured seriously with three cracked ribs and a concussion. One home at Loris had extensive roof damage; other damage included minor roof damage and a significant number of trees down.						
James Island, Charleston County, South Carolina	19	9:30 AM	-	-	1	1	0	0	Lightning
			One person was killed by lightning. Lightning struck a small boat killing one passenger. Another passenger also injured.						
Lake Marion, Orangeburg County, South Carolina	23	1715-1800	15	60	0	0	4	3	Tornado
			Tornado touched down near Lake Marion in Orangeburg County and moved into Clarendon County. Some utility damage and minor damage to a few homes. Most of the time the tornado was in non-populated areas.						
Dorchester and Charleston Counties, South Carolina	5	5:10 PM	-	-	1	0	3	0	Severe thunderstorm
			Severe thunderstorm developed in lower Dorchester County and moved southeast across the Charleston area. There was some damage to trees and utilities, two sailing boats overturned, with one fatality.						
SOUTH DAKOTA									
NO DATA RECEIVED									
TENNESSEE									
Statewide	1-21				153	1		8	Heat wave
			Temperature records fell consistently during the first two-thirds of July as temperatures cooled above the 100-degree mark. Temperatures were the worst across the western section of the state. In Memphis, a new all-time record high of 108 was set plus the 15 consecutive days of 100 plus temperatures exceeded the old record of 6 consecutive days. The heat was responsible for a number of deaths across the state. According to the state office of Civil Defense, a total of 153 people died as a result of the heat. Civil Defense figures breakdown the deaths by county as: Anderson-1, Bedford-2, Benton-1, Claiborne-1, Coffee-1, Carroll-2, Davidson-7, Fayette-4, Franklin-1, Giles-3, Gibson-1, Grundy-1, Hamilton-15, Hardin-4, Haywood-1, Henderson-1, Jefferson-3, Knox-1, Lauderdale-1, Lake-2, Loudon-1, Meigs-3, Madison-11, Marshall-1, Maury-2, Monroe-1, Montgomery-1, Obion-3, Paines-1, Roane-1, Scott-3, Shelby-68, Sullivan-3, Tipton-1, Union-1, Wilson-1.						
Cleveland, Bradley County	3	3:12 a.					5		Lightning
			Lightning struck a house on Eureka Road causing a fire that destroyed the building. Another small fire about 4 hours earlier was also attributed to lightning.						
Milan, Gibson County	3	Noon					3		Lightning
			Lightning struck the roof of the old portion of the First Assembly of God Church starting a small fire.						
Campbell County Airport, Campbell County	3	2:30 p.					4		High wind
			Winds with a thunderstorm gusts to 55 miles an hour at the Campbell County Airport. Damage was reported to trees and power lines as well as minor damage to some buildings.						
LaFollette, Campbell County	5	6:30 p.			1		4		High winds
			Thunderstorm winds blew in the plate glass window of a car dealership. The owner was cut by flying glass. Elsewhere, the winds damaged trees, knocked down power lines, and did minor damage to buildings.						
Near Gallatin, Sumner County	5	Late p.	8	100			4	1	Tornado
			No injuries were sustained when a small tornado touched down several times. At least one house and one barn were completely destroyed, and 4 TVA power line towers over Old Hickory Lake were demolished.						
Near Sneedville to Treadway, Hancock County	6	1 p.	20	300			5	4	Tornado
			A tornado skipped across Hancock County causing scattered damage. Several homes were damaged, trees uprooted, and power lines downed.						
Near Winchester, Franklin County	6	2 p.					4		Lightning
			Lightning apparently hit the roof of a brick house. The house was completely destroyed by the fire that followed.						
Martin, Weakley County	6	4:32 p.					3		Lightning
			Lightning struck a house, knocking down part of the chimney and causing a fire in the attic. Extensive damage was done to the roof.						
Campbellville, Giles County	6	5:15 p.					4		High winds
			High winds did considerable damage to the feeding system on the Dunavant & Son Dairy. The winds overturned a conveyor-belt feeding system and damaged the metal building housing the feeder. About 40 cows were trapped in the barn until debris could be removed.						
South Pittsburg, Marion County	6	Aftn	1	200			4		Tornado
			A small tornado touched down briefly in the Richard City area of South Pittsburg tearing down power lines and trees, damaging roof tops, and knocking out a portion of a wall at a furniture store. The South Pittsburg Postmaster reported seeing the tornado.						
Fulaski, Giles County	7	1:15 a.					5		Lightning
			Lightning was believed responsible for starting a fire at a building supply firm. An electrical storm occurred around 6 p. on Sunday (July 6), but the fire was slow to get going. About 60 percent of the firm was destroyed. Two other fires in the county on Sunday evening (6th) were also caused by lightning.						
Jonesboro, Washington County	9	Late p.					3		Lightning, wind
			Lightning struck a home knocking several cinder blocks from the corner of the house into a bedroom. A tree outside the house was splintered, and the telephone lines were melted. Elsewhere in Jonesboro, winds uprooted trees and damaged several mobile homes in the area.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TENNESSEE (continued)									
Unicoi-Limestone Cove Area, Unicoi County	10	12:30 p.	2	100	12	5	?		Tornado, high winds
An afternoon thunderstorm produced high winds and a tornado which damaged several commercial buildings, five homes, six mobile homes, and six service buildings. The area of greatest damage was along Limestone Cove Road between Unicoi and Limestone Cove. A commercial building being used as a day-care center was destroyed and four people were injured there. Trees and power lines were also downed by the winds.									
Double Springs Gap, Sevier County	10	Mr 1 p.			2	1			Lightning
Two hikers were killed and a third injured when lightning struck a shelter on the Appalachian Trail. Eight hikers had sought shelter from the afternoon thunderstorm when lightning struck. One hiker reported that the lightning struck a tree about 10 feet from the shelter and then ricocheted through the shelter. The shelter is close to 6,600 feet elevation and surrounded by forest.									
Chattanooga, Hamilton County	17	2:10 p.					?	?	High wind, hail
The National Weather Service Office reported winds gusting to 55 mph and half-inch hail with a thunderstorm as it moved across the southern portions of Hamilton County.									
Memphis, Shelby County	21-22	4 p. to 2 p.					?	?	Heavy rains, Urban Flash Flooding
As much as 8 inches of rain fell across the north side of Memphis and into the Bartlett area. The official reading at the NWS office in Memphis was 4.73 inches. The rain ended the record heat wave which had affected the area since the first of July. The rains were responsible for a great amount of street flooding; the water was one foot deep on top of a shopping mall in North Memphis at one time; two people whose car was swamped by water over a bridge were swept away by the water but were successfully rescued unharmed; Todd Creek once again came out of its banks into the mobile home community of Memphis Mobil City.									
Nashville, Davidson County	22	10 a.			1		?		Heavy rains
A 8-year-old boy drowned when he fell into a drainage ditch swelled by more than two inches of rain. The boy was playing ball when he slipped into the ditch and was washed into a drain pipe. The rain accounted for some urban flooding creating problems for morning motorists.									
TEXAS									
NORTHERN									
Albany area, Shackelford County	27	1:00 a			0	0	4	0	Windstorm
Strong thunderstorm winds toppled trees and power lines throughout Albany. Several cemetery monuments were also overturned and damaged. The Daniel Supply Company, about 0.5 miles east of Albany, received about \$23,000 damage as a 20x30 foot storage building was blown on top of the main building.									
Bridgeport area, Wise County	27	12:00 n			0	0	5	0	Windstorm
A severe thunderstorm moved southeastward through western Wise County, with strong winds damaging at least 4 businesses in Bridgeport. Roofs were blown off of the business structures and the walls of one building under construction were toppled. Sign standards and powerlines were also blown down. Minor wind damage was reported at Paradise and in rural areas around Bridgeport and Paradise.									
Sulphur Springs area, Hopkins County	27	12:55 p-1:30 p			0	0	4	?	Wind, Hail, and Rainstorm
Strong winds buffeted Sulphur Springs and northern sections of Hopkins County as a line of strong thunderstorms moved through the area. One brief wind gust to 95 MPH was measured at the Sulphur Springs Airport. Winds toppled trees, signs, and powerlines. Marble-sized hail and minor flood-producing rains also accompanied the thunderstorm activity.									
Benbrook & Keller, Tarrant County	27	1:30 p			0	0	3	0	Windstorm
Thunderstorm wind gusts of 60 to 70 MPH moved across Benbrook, resulting in minor damage to residential property and businesses. Several fences were blown down by the strong winds, which were accompanied by marble-sized hail. Winds downed powerlines in the Keller area about the same time.									
Southern Dallas County	27	1:45 p-2:30 p			0	0	4	0	Windstorm
Southeastward-moving thunderstorms brought scattered wind damage to Southern Dallas County, including Lancaster, Duncanville, and Seagoville. Several roofs were blown off of buildings and the usual sign, tree, and powerline damage occurred.									

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
NORTHERN									
Mambrino Community, Hood County	27	2:00 p			0	0	3	0	Windstorm
Several thousand dollars damage occurred to a Baptist Church and barns in the Mambrino area as severe thunderstorm winds swept through the community.									
Ennis Area, Ellis County	27	2:30 p-2:45 p			0	0	4	0	Windstorm
One airplane was overturned and several hangers were damaged by strong thunderstorm winds at the Ennis Airport.									
Corcicana, Navarro County	27	3:50 p			0	0	5	0	Windstorm
Thunderstorm winds overturned and destroyed a mobile home in Corcicana. Signs and awnings were damaged by winds in downtown Corcicana.									
Athens, Henderson County	27	Aftern.			0	1	4	0	Windstorm
Thunderstorm winds caused widespread minor damage to antennas, powerlines, trees, and signs in Athens. One man received minor injuries when work scaffolding was blown into him as he was rolling up the windows of his pickup truck.									
Bosque County	27	3:00 p-6:00 p			0	0	5	0	Wind, Hail, and Lightning
Severe thunderstorms moved southeastward across Bosque County, causing widespread minor wind damage. Meridian, Valley Mills, and Morgan were among the towns where damage was reported. Two buildings were unroofed in Morgan and one mobile home was blown off of its blocks. Wind-blown pea to marble size hail reportedly broke windows in the Lake Whitney and Morgan areas. Lightning struck and slightly damaged two homes near Lake Whitney.									
Lufkin, Angelina County	27-12	Midnt 28			0	0	?	?	Windstorm
Strong thunderstorm winds uprooted trees, downed powerlines, and overturned an airplane at the Angelina County Airport.									
All of North Texas		Entire Month			?	?	?	?	Heat Wave
A heat wave of unprecedented magnitude began late in June and continued through the end of July. July was the hottest month on record at the Dallas/Fort Worth Airport with an average temperature of 92 degrees, as compared to a normal average of 84.4 degrees. Each day in July, the highest temperature reached 100 degrees, with 110 degrees on the 2nd and 18th being the hottest July temperatures ever at the observation site. (On June 26th and 27th, the mercury reached 113 degrees, the highest temperature ever recorded in Dallas/Fort Worth.) By July 31, temperatures had reached or exceeded 100 degrees on 39 straight days. A summary of dollar damage to crops and the number of heat stroke deaths in North Texas will be included in August's Storm Data.									
TEXAS SOUTHERN									
all of southern Texas		Entire Month			9	100-200	6	8	Heat Wave
The severe heat wave which spread into southern Texas during the latter part of June continued through July causing human suffering, killing crops, and setting numerous meteorological records.									
Some heat records for south Texas were these:									
Austin	July 1980 was hottest month on record; 21 days of over 100 degrees was the most for any month; the average daily high of 100.1 degrees was the highest on record.								
Del Rio	Hottest July on record with daily average of 90.1 and daily maximum average of 103; by end of July there were 45 consecutive days of 100 degrees or higher temperatures (old record was 28 consecutive days summer of 1962).								
San Antonio	July 1980 was the hottest month on record; 100 degrees or higher on 20 days tied the record originally set in August 1951; average daily high was 99.9 degrees.								
Houston	Hottest July on record; average daily high of 99.4 degrees; 14 consecutive days of 100 degrees or more was most for July; daily maximum records set on 22 days.								
Beaumont	The 103 degrees on July 17 tied highest ever recorded in July.								
Brownsville	The second hottest July on record (Record hottest was July 1876).								
Death and injury statistics listed above are very incomplete due to difficulties in accounting for heat stroke victims. News accounts reported high numbers of treatment for heat cramps, heat shock, and heat exhaustion in major city hospitals. The nine deaths reported were unquestionably heat strokes, but many other elderly victims succumbed due to complications of heat and other medical problems. The nine documented victims included 3 around Austin, 1 in Houston, 1 in Laredo, 3 in Montgomery County, and 1 in Aransas County. All were elderly except for the Houston victim who was a young man employed at an outdoor construction site.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

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		
TEXAS (continued)										
SOUTHERN										
										<p>The elderly victims were mostly residents of unairconditioned houses and mobile homes. The largest single incident of heat exhaustion occurred to 95 teenagers competing in a swimming meet at Houston. Emergency first aid was required for treatment of severe heat effects on about a fifth of the meet participants.</p> <p>Combined with the searing heat were spotty to non-existent rains and very high evaporation rates. As a result, soils became parched and cracked, divers and reservoirs dropped, and ground water supplies fell in some areas. All unirrigated crops in south Texas suffered and in some areas withered away to a 100 percent loss. South Texas cotton crops were reported to have lost 20 to 25 percent of normal yield. Grain sorghum was 25 percent below normal, the lowest yield in 24 years. Cattle and crop losses for the southern third of Texas may have been in the monetary range of \$250 million to \$500 million.</p> <p>Some selected county reports through July:</p> <p>Orange Co. - Soybean crop expected 50 percent loss. Total loss in dollars \$600,000.</p> <p>Jefferson Co. - Soybeans losing 40 to 50 percent of yield and maybe more from a total 25,000 acres planted. In Beaumont natural gas lines reported breaking due to dry shifting ground.</p> <p>Polk Co. - All 1300 farms suffered some loss. 60 percent hay loss for \$1.5 million. 75 percent of 1300 acres of soybeans lost for \$130,000. Possible 40 loss of new plantings of commercial pine timberland.</p> <p>Liberty Co. - Estimated \$3 million loss in soybean crop; 75,000 acres affected.</p> <p>Chambers Co. - Significant soybean loss reported.</p> <p>Harris Co. - 100,000 acres of corn and soybeans damaged badly; most of corn crop lost altogether. In urban areas significant street damage from buckling and cracking. Municipal water pumps overtaxed by demand causing maintenance problems. Record power consumption.</p> <p>Galveston Co. - Interstate Highway 45 concrete sections buckled due to heat expansion.</p> <p>Brazoria Co. - Hay, milo, soybeans, vegetables gave poor yields. Some farmlands had cracks in the ground 2 feet deep where exactly one year before flood waters stood two feet deep.</p> <p>Walker Co. - The city of Huntsville suffered low water pressure due to overtaxed municipal pumping system.</p> <p>Wharton Co. - Soybeans were 50 percent loss; Grain sorghum 40% loss; Corn and cotton both 40% losses.</p> <p>Fort Bend Co. - Loss of \$20 million crop yield, mainly cotton, grain sorghum, soybeans.</p> <p>Jackson Co. - Corn mostly lost. Grain sorghum poor to fair yields. Rice did well but growing costs were unusually high due to high evaporation rates of irrigation water.</p> <p>Gonzales Co. - The state's number one poultry growing county experienced high losses of egg and broiler chickens beginning in early July. Several hundred thousand birds were lost and remaining egg-layers suffered serious productivity decline.</p> <p>Caldwell Co. - Majority of pastures and hay drop failed.</p> <p>Robertson Co. - Watermelon crop was inferior and of low yield.</p> <p>Camden Co. - Dairy herds' production dropped 20 to 30% due to high temperatures.</p> <p>Bastrop Co. - Total agricultural losses of \$1.25 million. Worst hit was palve crop, the areas highest agribusiness. Also crops suffered with losses of 25% in cotton, 50-70% in corn, 50% of milo.</p> <p>Winn Co. - 30% loss of cotton yield.</p> <p>Williamson Co. - This is one of the largest cotton and grain growing counties of central Texas. Heat and drought hurt crops that had survived spring storms. Corn was mostly lost. Cotton 50% of normal yield. Grain sorghum 40% loss.</p> <p>Travis Co. - Grain production significantly lower than normal.</p> <p>West Lake Hills and Oak Hills municipal water systems unable to meet peak pumping demand.</p> <p>Hays Co. - Cotton crop declined rapidly in mid-July. Cattle and pastures suffered big losses.</p> <p>Guadalupe Co. - Dryland farming suffered big losses. Some sorghum fields plowed under as total loss, others harvested with very low yields.</p> <p>Karnes Co. - 1% of grain sorghum plowed under due to failure.</p> <p>Bee Co. - Crops got a late start due to April 14 record frosts. Then dryness hit at early growth stages. Stunted crops lost 25-50% of yield, mainly corn and milo.</p> <p>Frio Co. - Despite May floods, intense heat quickly dried area farms to state of loose sand by July. Milo crops failed.</p> <p>Uvalde Co. - 40% corn loss and much cattle liquidation.</p> <p>LaSalle, Dimmit, Maverick, Webb Cos. - Cattle losses substantial due lack of surface water. Ranchers resorted to burned cactus for cattle food. Wild deer population believed largely killed off.</p> <p>San Patricio Co. - Cotton yield was reduced, because plants were stunted in height due drought, late July rains soiled what cotton there was and reduced yield and quality even more.</p> <p>Nueces Co. - \$18.8 million loss due to drought. Corn losses 65%, cotton losses 80%, sorghum losses 20%.</p> <p>Kleberg Co. - High evaporation and light wind prevented windmills from pumping enough water for cattle.</p>
Brazoria Co.	18	Afternoon			0	0	4	0	Lightning	
										Lightning knocked out service to two deep well pumps which supply the Sweeny municipal water system.
Jefferson Co.	20	7:55 am							Funnel Cloud	
										The funnel was sighted just north of Jefferson Co. Airport moving north-northeast aloft. Apparently it never touched ground level. Showery weather in the area was associated with the remnants of a weak tropical depression.

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		
TEXAS (continued)										
SOUTHERN										
Kinney Co.	21	Daytime							Funnel Cloud	
										A small funnel was seen aloft 7 miles north of Brackettville near a thunderstorm. There was no evidence that it touched ground.
Bexar Co.	21	8:30 pm			0	1	0	0	Lightning	
										10-year old Carlos Torres, Jr., was slightly injured when he was knocked off his feet by a lightning bolt. The youngster was outside his southwest San Antonio home when the lightning bolt hit a nearby tree. The charge dispersed outward from the tree hitting nearby objects including young Carlos. The boy recovered after treatment for shock and numbness of his left side and arm.
Wilson Co.	22	Afternoon			0	0	4	?	Wind	
										Thunderstorm wind gusts hit the Sutherland Springs area. A barn roof was ripped off, numerous trees were uprooted, and fencing was blown down. Residents thought tornadoes had hit, but the damage pattern likely was caused by localized wind gusts.
Lavaca Co.	22	6:30 pm			0	0	5	?	Wind	
										A large poultry barn collapsed during thunderstorm gusts. About 1000 chickens inside were killed at the site 2 miles east of Shiner. No significant damage was reported elsewhere in the county.
Frio Co.	22	12:30 am			0	0	4	?	Wind	
										Scattered wind damages occurred over rural areas west of Pearsall as a thunderstorm moved through. Small farm outbuildings and electrical power lines received most damage.
Gillespie Co.	22	3:00 pm			0	0	4	?	Wind	
										A severe thunderstorm caused damage over a small area west of Stonewall on the Bell Ranch. Barns were unroofed and trees blown down in the severe gusts. 1 inch of rain fell in a very short time.
Burnet Co.	23	2:00 pm			0	0	4	0	Dust Devil	
										Under clear and very hot conditions with light prevailing breezes, Robert Mezger heard strange "sharp roar, like an old jet going over." Then the whirlwind hit his ranch barn, taking off the roof, and cutting power lines. The site was located 2 miles west of Granite Mountain on Highway 1431.
Jefferson Co.	26	3:30 pm							Funnel Clouds	
										Deputy sheriff reported four funnel clouds moving inland across the coast between Sea Rim State Park and Sabine Pass. They were probably aloft as no waterspout activity was seen.
Copano Bay, Aransas Co.	27	10:30 am	?	?	0	0	0	0	Waterspout	
										A waterspout formed in eastern Copano Bay around developing showers; it drifted northward and did not bother coastline or marine interests.
Burnet Co.	27	Afternoon			0	0	4	0	Wind	
										Thunderstorm wind gusts were extremely localized when they hit an uninhabited vacation home in Oak Ridge. The structure was almost totally demolished.
Travis Co.	28	1:40 pm			0	0	5	?	Wind	
Hays Co.	28	2:00 pm			0	0	5	?	Wind	
Hays Co.	28	2:15 pm			0	1	4	0	Lightning	
Bastrop Co.	28	2:15 pm			0	0	5	?	Wind	
Caldwell Co.	28	2:30 pm			0	0	5	?	Wind	
Lee Co.	28	3:15 pm			0	0	5	0	Wind	
Lee Co.	28	3:15 pm			0	0	4	?	Hail	
										Clusters of severe thunderstorms formed in central Texas around Austin and blackland areas east of Austin. Storms grew and moved southward producing severe wind gusts over the area.
										Travis Co. - At Austin Municipal Airport gusts were measured at 69 mph early in the storms life. Scattered minor property damage occurred over Austin and Travis Co.
										Hays Co. - Gusts caused roof and barn damage in rural areas and minor damage around San Marcos. What some residents thought might have been a tornado hit a ranch west of Wimberley on Ranch Road 2325. The twister could not be verified as the damage to large trees and barns easily could have been caused by severe local gusts. In Wimberley a house was struck by lightning and damaged by the resulting fire. Nearby in Wimberley another bolt hit a metal shed where a man was taking shelter from the storm. The man was struck and knocked down but he revived afterward with only minor injuries.
										Bastrop and Caldwell Cos. - High wind gusts did some damages over several parts of these counties.
										Lee Co. - The daily damaging hail reported out of the storm system was just south of the Dime Box community where rural buildings suffered roof damage. High winds over central and eastern Lee Co. produced scattered damages to farms, especially ground Loebau, Giddings, Serlin, and Northrup. Gusts nearly caused traffic accidents as moving cars almost were blown off roads.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
SOUTHERN									
Atascosa Co.	28	5:45 pm			0	0	4	?	Wind
Karnes Co.	28	6:30 pm			0	0	4	?	Wind
McMullen Co.	28	6:45 pm			0	0	4	?	Wind
Live Oak Co.	28	6:45 pm			0	0	4	?	Wind
Bee Co.	28	7:00 pm			0	0	4	?	Wind
A severe thunderstorm intensified over Atascosa Co. It began producing intermittent damaging wind gusts as it moved southward. Roof, trees, sign, fence, and utility line damage was most common. Near the Lening community in Atascosa Co. a farm house was deroofed.									
TEXAS WESTERN									
Claude, Armstrong County	3	7:00p			0	0	5	0	Lightning
Lightning struck a pole barn filled with nearly 3,000 bales of hay. The hay and the barn were destroyed. In addition, several fires were also started in the Claude area.									
Farwell, Palmer County	4	11:20p	small narrow		0	0	5	0	Tornado
A farm located just northeast of Farwell was hit by a small tornado. The farmhouse was not damaged, but one outbuilding was damaged and another was destroyed. A shed attached to a boxcar was detached, lifted over a fence, snapping electric lines, and was tossed in a tree 75 yards away. Fences were destroyed and pieces of tin driven into the yard with such force they could not be removed. Debris was littered over the entire farm. Strong winds preceded the tornado, then came a period of quiet calm, during which the family took shelter in the interior of the home.									
Dimmitt, Castro County	27	12:30a	3	40	0	1	6	4	Tornado
A small tornado struck an onion packing warehouse, knocking it from its foundation and carrying some pieces as far as 600 yards. One of the 30-foot wall sections was picked up and tossed 200 yards and several trucks and other pieces of equipment were damaged. Two watchmen were present as the tornado struck. One was able to get into a small room and was not injured. The second suffered facial cuts and a broken nose as he jumped into a pickup. He was narrowly missed as a piece of 2 x 4 was driven through the top of the vehicle into the floor of the cab. A piece of 4-inch pipe was embedded 2 1/2 feet into the concrete pavement. Power was out in parts of Dimmitt and some wheat crops were damaged as the tornado continued to move toward the southeast. Heavy rains accompanied the tornado. Another eyewitness to the tornado reported that it came down at a 45-degree angle pointing southeastward. The tail began to whip back and forth as the tornado touched down, stirring up a lot of dust. The tornado then took 6 limbs off a tree and destroyed a vegetable shed. Total damages were estimated to be near \$500,000.									
UTAH									
NONE REPORTED									
VERMONT									
NONE REPORTED									
VIRGINIA									
Waverly, Sussex Co.	3	5:45 p			0	0	3	0	Wind
Very localized windstorm tore down three booths that had been set up in preparation for holiday celebration. Total damage estimated at about \$1,000.									
Statewide	5				2	2	6	0	Wind
Winds ranging between 50 and 70 mph lashed the state beginning around 1PM in the extreme north to 5PM in the southern sections. In the Woodstock area a home was extensively damaged when the roof of nearby garage blew into it. Boaters were especially hard hit as numerous capsizings occurred over the Chesapeake Bay, James River and other lakes and ponds. Two of these resulted in drownings... one just off Norfolk and another on a pond near Williamsburg. Two boaters were treated for minor injuries near Petersburg. Property damage was largely the result of trees falling, one example being the Ostlands estate in Loudoun County that suffered some \$200,000 damage. Other losses included damage to two aircraft overturned at the Charlottesville-Albemarle airport, power outages, and homes stripped of roofs and siding. Total damage from the storm near \$1,000,000.									
Leesburg (nr)	8	7:00 a			0	0	4	0	Lightning
Lightning set fire to a barn, totally destroying it. Barn and contents estimated at \$40,000.									
Western Portion	8				0	0	5	0	Wind
Extensive tree damage and power outages were reported over the western half of the state. Winds gusted up to 70 mph in some sections causing a variety of property damage. In Covington a loss of nearly \$40,000 was inflicted on a cable T-V company. Elsewhere a home in Pittsylvania County was demolished when a large oak tree fell on it. Total damage likely to be around \$100,000.									
South Central	9	7:00 p- 8:00 p			0	0	4	0	Wind
Tree and power line damage widespread in the Lynchburg-Roanoke-Salem areas. As winds gusted to near 80 mph. Two mobile homes... one in Roanoke County and one in South Boston badly damaged. Total loss around \$30,000.									

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
VIRGINIA (continued)									
Bland County	10	2:00 p			1	3	0	0	Lightning
One youth killed and three others injured when lightning struck the corn crib in which they were playing near town of Bland.									
Southwest and South Central	10	Evening			0	0	4	4	Wind, Rain
Heavy rain caused local flooding and mudslides over the "Mountain Empire" of Virginia. Bristol, Virginia has streets flooded, while a mudslide blocked Route 42 in Bland County. Winds caused extensive tree and power line damage especially in Pennington Gap and Bristol. Near Farmville a home was damaged by a fallen tree and a large chicken house on the property had its roof taken off. A large tree resulted in the total loss of the auto in South Hill, and \$2,500 loss to another. Damage expected to run close to \$20,000 for property and \$15,000 to crops.									
Statewide	12	5:00 p- 7:00 p			0	0	4	0	Wind, Rain
Thunderstorms brought locally severe activity over scattered portions of the state including Tazewell and Hanover Counties and in the Norfolk-Virginia Beach area, where tree damage was extensive along with widespread power outages. A quarter-mile swath of damage occurred from central Fluvanna County to the vicinity of Powhatan, with up to 2 inches of rain reported and winds between 60 and 75 mph. Similar winds were responsible for snapping off some two dozen power poles in Orange County. Total damage: \$30,000.									
Loudoun County	15	Afternoon			0	0	5	0	Lightning
Lightning strikes were responsible for completely destroying one house and extensively damaging another in Middleburg. Total loss estimated at \$65,000.									
Statewide	17				0	2	5	6	Hail, Lightning, Wind
Severe thunderstorms swept across the state starting around 2PM over the northern sections to 7PM in the southeast corner. Hail the size of golfballs wrecked havoc on peach and apple crops in Nelson County with losses expected to reach one million dollars. Extensive damage was also done to tobacco crops in Amherst and Patrick Counties. Expected to total between \$300,000 and \$400,000. Elsewhere tree and power line damage was widespread and 50 mph winds caused a variety of damage especially in the Portsmouth area where 2 men were injured when a revival tent collapsed. Lightning caused scattered property damage, the most serious occurring near Martinsville, Henry County, when \$30,000 damage was done to a house... and near Stewartsville, Bedford County, where a two-bedroom home was totally destroyed.									
Highland County	20- 21				0	0	4	0	Lightning
Lightning during the two days damaged a barn, and also was responsible for killing ten sheep in the McDowell area. Loss estimated at about \$8,000.									
Harrisonburg	23	5:00 p			0	0	3	0	Rain, Lightning
Two inches of rain recorded in a little over an hour brought local street flooding. Some minor lightning damage also reported.									
Prince George County	23	12:10a	1/4	75	0	0	4	0	Tornado
Small tornado apparently touched down very briefly in area about 5 miles SE of Petersburg. Some windows were blown out and other minor damage done to two or three mobile homes. Several large trees were bent to the ground or twisted off. One destroying a small pick-up truck. Witnesses reported hearing a roaring sound similar to a freight train. Total damage estimated at about \$10,000.									
VIRGIN ISLANDS									
Off St. Thomas	13	3:15 p.			0	0	0	0	Waterspout
Off St. Thomas	25	12:15 p			0	0	0	0	Waterspout
WASHINGTON									
YAKIMA COUNTY	8	6-8PM			0	2	4	?	Flash Flooding
A heavy thunderstorm caused flash flooding along the east slopes of the Cascades in West Yakima County. Heavy rainfall and hail slid volcanic ash from the eruption of Mt. St. Helens, mud and rocks onto nearly a 4 mile stretch of U.S. Highway 12 about 30 miles west of Yakima. Two motorists were injured in the slides and 20 to 25 others stranded. The highway was closed until the following morning. In addition, a 1/2 mile stretch of the Tieton irrigation canal was plugged by slide debris for the second time in a month. Crop damages to the upper Yakima Valley from the loss of canal water is unknown. Rainfall amounts from the storm were unavailable as the storm hit a remote area.									
WASHINGTON OKANOGAN COUNTY	9-10	Eve. 9th Morn. 10th			0	0	0	7	Hail
A pair of hailstorms struck Okanogan County in north central Washington. The first storm struck on the evening of July 9th in the Omak-Okanogan area in the southern part of the county. The second storm hit during the following early morning in the Croville area of the northern part of the county. The USDA said the marble-sized hailstones damaged about 56 percent of the apple crop and also damaged acres of apples trees which will affect future crops. The alfalfa crop hit by the storms was also nearly destroyed.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

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	
WEST VIRGINIA									
Mercer county	4	aftn			0	2	0	0	Lightning
									Two men received minor injuries while golfing near Bluefield. The men were sitting in a golf cart under a tree when lightning struck. Both men were knocked out of the cart by the impact.
Northern half of West Virginia	5	10am - 1pm			0	0	3	2	Thunderstorms
									A line of heavy thunderstorms moved southeast across the area with strong winds. There were numerous reports of uprooted trees, downed power lines, small hail and minor damage to homes.
Wood county	5	1030am			0	0	6	0	High Winds
									High winds ripped the roof off an expensive home at Briscoe Run. One mile away, two electrical transmission line towers were toppled. The towers, one located on the West Virginia side of the Ohio River and the other on the Ohio side, were valued at \$1.4 million. High winds and rain did considerable damage to the Teague Art Gallery in Williamstown.
Tucker county	5	1215pm			0	1	3	0	High Winds
									A mobile home at Leadmine was tossed on its side with minor injuries to the one occupant.
Upshur county	5	1215pm			1	1	0	0	High Winds
									A 58 year old man was killed instantly when high winds blew a tree onto his truck as he drove south on route 20 near the French Creek Game Farm. A 20 year old passenger was seriously injured.
Statewide	6	6am - 9pm			0	0	4	?	Thunderstorm Winds
									All sections of the state were hit with strong thunderstorms. During the morning, a line of heavy thunderstorms roared across the northern half and Eastern Panhandle. In the early afternoon, another wave of thunderstorms moved into northern areas, spreading into southern counties during late afternoon and evening. Numerous reports of uprooted trees, downed phone and power lines and widespread power outages. Minor damage to roofs, awnings and small buildings. Heavy downpours caused minor stream and urban flooding.
Mineral County	8	700am			0	0	4	0	Lightning
									A cottage at Camp Mingo was destroyed by fire after a lightning strike.
Barbour county	8	830am			0	0	5	0	Lightning
									Lightning struck and fire destroyed a dairy barn near Kasson. Barn and contents valued at \$60,000.
Ohio county	8	100pm			1	0	0	0	High Winds
									High winds caused the death of a Barnesville man at a construction site near Wheeling. The wind blew a metal wall form on the worker at the Interstate 470-W.Va. 2 interchange.
Wood county	8	300pm			0	3	2	0	High Winds
									Three persons were injured at a tent revival at the Calvary Baptist Church near Parkersburg when strong winds blew the tent over.
Tyler county	8	aftn			0	0	4	0	High Winds
									The Padan City High School sustained \$8,000 damage when a large section of roof over the school gymnasium was blown off.
Braxton county	8	445pm			0	0	0	0	Funnel Cloud
									Public spotted a funnel cloud 2 miles southwest of the Braxton county airport.
Statewide	8	aftn 6 eve			0	0	0	?	Hail
									Numerous reports of small hail across the state. At 643 pm at Kopperston, Wyoming county, hail 2 1/2 inches long, 1 1/2 inches wide and 1 inch thick covered the ground. At 730 pm 3 inch hail fell at Oceana in Wyoming county.
Mason county	9	800am			1	0	0	0	Lightning
									A Mason county man died near Ft. Pleasant after he was struck by lightning while working on a barge in the Ohio River.
WEST VIRGINIA (continued)									
Statewide	9	aftn 6 eve			0	0	3	?	Thunderstorm Winds
									Strong thunderstorms hit most of West Virginia for the second consecutive day. Numerous reports of downed trees and power lines. Several roads blocked. At 440pm a house was damaged in Braxton county when a tree fell on it. A 61 mph wind gust at the Charleston NWS at 518pm. At Beckley airport a 61 mph gust shortly after 600pm.
Statewide	9	aftn 6 eve			0	0	?	?	Hail
									Strong thunderstorms dumped hail across the state. Some reports include 1/2 inch hail 330pm at Clarksburg. 51pm. 1/2 inch at Madison in Boone county. Softball size hail at Welch in McDowell county at 600pm. Half dollar size hail in Beckley at 630pm. At 900pm 3/4 inch hail near Ripley in Jackson county.
Nicholas county	9	aftn			0	0	3	0	High Winds
									The boat docks at Summersville Lake were destroyed by high winds.
Clay county	9	aftn			0	0	4	0	High Winds
									Strong winds demolished a mobile home at Ivydale.
Kanawha county	9	aftn			0	1	0	0	Lightning
									A 30 year old coal miner received minor injuries after being struck by lightning at the Valley Camp Coal Co. mine in eastern Kanawha county.
Nicholas county	9	530pm			0	0	4	0	High Winds
									Winds completely destroyed the large screen at the Richwood Drive-In at Holcomb.
Randolph county	9	430pm	3/4	20-50	0	0	2	0	Tornado
									Tornado damage evident along both sides of Rt. 33, two miles east of Elkins. Large trees twisted and broken and scattered at random.
Randolph county	9	430-500pm	1/4	20	0	0	4	0	Tornado
									Tornado touched down 1/2 mile north of Gladly along county route 27. A mobile home was completely destroyed. Roofs of nearby buildings were slightly damaged.
Kanawha county	9	515pm	11/2	30	0	0	4	0	Tornado
									City policeman saw tornado touch down at Marmet. Damage to 4 houses, 3 mobile homes and 2 cars.
Raleigh county	9	615pm	?	?	0	0	2	0	Tornado
									Tornado spotted 5 miles south of the Beckley airport by National Weather Service personnel. Minor damage at Shady Springs, 7 miles southeast of Beckley.
Southern half West Virginia	10				0	0	5	3	Flooding
									Flooding hit much of southern West Virginia off and on during the day. Heavy thunderstorms struck the state for the third day in a row, dumping heavy rains on already saturated soils. Flash flood warnings were issued in the pre dawn hours for several western and central counties. Numerous small streams were overflowing blocking highways and flooding basements. Nearly 50 people were evacuated from Camp Scott near Sutton Lake in Braxton county.
									Thunderstorms rumbled across the area again during the afternoon and evening and several flash flood warnings were issued for the southern half of the state. One of the hardest hit areas was Wayne county. In this county alone 60 families were affected by flooding with 6 homes destroyed, 12 suffering major damage and numerous with minor damage. An estimated 50 private and state road bridges were heavily damaged or destroyed. Damage to bridges and state roads in Wayne county estimated at \$400,000.
Wayne county	10	eve			0	0	5	0	Lightning
									During the evening flash flooding occurred along Wilson Creek in Wayne county. The creek rose 5 feet in 5 minutes washing away and destroying one mobile home and damaging another. A rainfall report was later received from this area of 3 1/2 inches in one hour.
									A home was destroyed by fire at Wilsons Creek after a lightning strike. The fire department could not reach the home due to high floodwaters. Another home in Wayne county was also destroyed by fire after being struck by lightning at 530pm.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1980

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	
WEST VIRGINIA (continued)									
Statewide	12	aftn & eve			0	0	3	0	Thunderstorms
									Thunderstorms rumbled across much of the state with southern areas perhaps hardest hit. There were wide-spread power outages and uprooted trees. Two mobile homes were hit by trees near Maybeury in McDowell county.
Logan county	12	530pm			0	0	0	0	Funnel Cloud
									Funnel cloud reported by public at Claypool.
Berkeley county	21	300pm			0	1	0	0	Lightning
									A man was struck by lightning while working at a gas station in Martinsburg. He received only minor injuries.
Preston county	22	100am			1	0	4	0	Lightning
									Lightning struck and burned a two story house in the Cherry Grove section of Bruceon Mills. The 78 year old owner was found dead in the kitchen.
WISCONSIN									
NO DATA RECEIVED									
WYOMING									
MOUNTAIN STANDARD TIME									
Crook County	14	3:00 p.	?	?	0	0	?	0	Windstorm
									Winds which were reported to reach "cyclone velocity" at Moorcroft unroofed several buildings and did damage to some others.
Laramie County	17	2:10 p.	?	?	0	0	0	0	Tornado
									A tornado touched down briefly 5 miles north of Pine Bluffs.
Sheridan County	17	4:30 p.	?	?	0	0	5	0	Windstorm
									Strong winds in the Sheridan area caused the roof of the warehouse portion of the Old Burlington Northern Depot to collapse and demolished a mobile home in Ranchester.
Laramie County	22	7:49 p.	?	?	0	0	0	0	Tornado
									A tornado touched down over open range at 90 NNE Cheyenne and caused no damage.
Lincoln County	24	?	?	?	0	0	4	0	Tornado
									"A mini-tornado" passed through a residential area in Afton destroying a metal storage shed and damaging a camper and pickup.
Niobrara County	25	3:00 p.	?	1-1/2	0	0	?	?	Hail, heavy rain, strong winds
									2 mi. "One of the most vicious storms" to hit the Lusk area left 4-7 in. of hail and up to 4 in. of rain in 20 minutes. Windows were broken, roofs damaged, and basements flooded. A severe electrical storm that preceded the hail killed 3 cows and 2 calves. Ranchers in the affected area lost most of their pastures.
Platte County	25	3:30 p.	?	?	0	0	0	0	Tornado
									A tornado touched down briefly near Chugwater causing no damage.
Natrona-Converse Counties	26	2:00 p.	?	?	0	0	?	?	Lightning
									Lightning-caused fire consumed about a thousand acres of prime grazing and forest land on Piney Ridge 15 miles east of Edgerton near the Natrona-Converse County line.
Goshen County	26	5:30 p.	?	?	0	0	?	?	2 Tornadoes
									Two tornadoes caused some damage in Torrington.
Campbell County	27	?	?	?	0	0	?	?	Lightning
									Lightning caused a 3,000-acre fire some 25 miles southeast of Gillette destroying timber and grazing land.

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	
CONNECTICUT									
Statewide	16	Evening			0	0	4	0	Lightning, wind
									Severe thunderstorms crossed the state knocking down trees and causing a small barn fire in Coventry and a structure fire in Columbia.
Statewide	22				0	0	5	0	Lightning, wind
									In North Haven a garage and a house were struck. Wind gusts of 60-70 MPH blew many trees down onto cars and houses.
Statewide	29				0	0	5	0	Lightning, heavy rain
									Again heavy thunderstorms knocked down trees onto cars and houses and one storm gave New Haven around four inches of rain which caused extensive basement and road flooding.
IDAHO									
Rexburg Area, Madison County	2	8:30p			0	0	4	0	Hail, Wind
									Hailstones the size of a 50-cent piece tore up the roof of a house. Two mobile homes were extensively damaged. Fifteen windows were broken along the west side of the Madison County Courthouse. A large metal utility building which measured 220 feet by 38 feet was blown down.
									Many greenhouses were damaged. Ricks College had 325 panes of glass broken in five greenhouses. Some crop damage.
Ririe, Jefferson County	8	5:00p	3/4	?	0	0	4	0	Tornado
									A one-ton pickup camper was lifted up, turned over, and destroyed. A boat was demolished. A small dance studio was picked up, moved 250 feet, and unroofed. Two double-wide mobile homes suffered extensive damage. Witnesses took a picture of the tornado which was described as a snake that wiggled in and out of the clouds. A witness said it sounded like a loud whistle.
Sandpoint, Bonner County	8	8:30p			0	1	4	0	Wind, Lightning
									Strong winds blew down a hangar under construction at the Sandpoint Airport with damage estimated at \$20,000. Winds blew a plane 250 feet with damages estimated at \$1,000. A mobile home received extensive damage when winds blew a tree down on it. At least seven trees, some fairly large, were blown down at the Elks Club Golf Course. A woman was talking on the phone when she felt lightning go through her left arm.

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	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
THE FOLLOWING ARE LATE REPORTS, CORRECTIONS, AND DELETIONS:																			
LATE REPORTS ALASKA										LATE REPORTS INDIANA (continued)									
JUNE 1980										JUNE 1980									
Central Interior	27	1830 ADT			0	0	0	0	Funnel Cloud	Jamestown Boone County	1	Evening	-	-	0	0	?	?	Hail - marble to golf-ball size
A funnel cloud was sighted and photographed 20 miles north-north-west of Paxson. The funnel did not reach the ground. No lightning or thunder was observed with the funnel cloud although radar indicated thunderstorms with tops to 41,000 ft in the area.										Huntington Huntington County	1	830P	-	-	0	0	?	?	Tornado
INDIANA										"Sounded like 25 locomotives" - tree flying through the air. Touched down briefly, uprooted trees, power lines down.									
Speedway Marion County	1	1015A-1100A	-	-	0	0	4	-	Tornado	New Carlisle St. Joseph County	2	122A	-	-	0	0	-	-	Hail - golf-ball size
Broken windows, trees/limbs down, damaged homes. Terrible roar.										South Bend St. Joseph County	2	134A	-	-	0	0	-	-	Hail - golf-ball size
Eastern Marion Co.	1	1120A	-	-	0	0	-	-	Wind, funnel cloud	Mishawaka St. Joseph County	2	138A	-	-	0	0	-	-	Hail - golf-ball size
Semi overturned in wind. Funnel cloud reported in area.										3 S of Dunlap Elkhart County	2	148A	-	-	0	0	-	-	Hail - golf-ball size
5 SW Crawfordsville Montgomery County	1	600P	-	-	0	0	-	-	Funnel cloud	SR18, I-65 Benton County	2	1112A	-	-	0	0	-	-	Funnel cloud
1 mile NE New Ross Montgomery County	1	620P	-	-	0	0	-	-	Funnel cloud	Covington Fountain County	2	1112A	-	-	0	0	-	-	Golf-ball size hail, wind 60 mph
SW of Lafayette Tippecanoe County	1	638P	-	-	0	0	-	-	Golf-ball size hail	2 1/2 SW Lebanon Boone County	2	1119A	-	-	0	0	-	-	Golf-ball size hail
NW Marion County	1	642P	-	-	0	0	-	-	3/4" hail	SE Wingate Montgomery County	2	1139A	-	-	0	0	-	-	Golf-ball size hail
Several reports from National Weather Service employees.										Mellott Fountain County	2	1125A-1145A	-	-	0	0	-	-	Funnel cloud, wind
Northern Marion Co.	1	650P-700P	-	-	0	0	-	-	Hail 1/4" - golf-ball size	Lots of trees down.									
South Bend, Mishawaka St. Joseph County	1	700P	-	-	0	0	-	-	7 - 10 funnel cloud reports, wind	Laylot Fountain County	2	1220P	-	-	0	0	-	-	Funnel cloud
Moderate damage to a number of homes, strong winds, downed trees										Frankfort Clinton County	2	1230P	-	-	0	0	5	-	Lightning
3-4 miles east of Elwood Madison County	1	726P	-	-	0	0	-	-	Golf-ball size hail	Destroyed home.									
Jerkwater NW Hamilton County + Ekin Southwest Tipton Co.	1	730P-800P	?	?	0	0	5	-	Tornado	West Lafayette Tippecanoe County	2	1230P-100P	-	-	0	2	?	?	Wind
First reports of storm in the Jerkwater area then moved to Ekin area. Barn destroyed, several houses extensively damaged, many other smaller outbuildings damaged or destroyed.										Covington Fountain County	2	100P	-	-	0	2	?	?	Wind, Tornado
Bakers Corners Hamilton County	1	737P	-	-	0	0	-	-	Hail - marble to golf-ball size	Destroyed hardware store and four homes, damaged three homes. \$5 million damage in city, \$8 - \$9 million damage in county.									
Cicero Hamilton County	1	751P	-	-	0	0	-	-	Golf-ball size hail	Frankfort Clinton County	2	100P	-	-	0	1	?	?	Wind
3 miles NW Bluffton Wells County	1	800P-900P	-	-	0	0	4	-	Wind	Twelve unit apartment complex that was being built was demolished. Many buried under debris - only minor injuries.									
Damage to homes ranged from minor to extensive. Three barns damaged, outbuildings destroyed. Freight train rumble heard by at least one resident.										Newtown Fountain County	2	110P	-	-	0	0	?	?	Wind
Jerkwater NW Hamilton County	1	800P	-	-	0	0	4	-	Tornado	\$30,000 bucket elevator destroyed. School damaged.									
Several houses destroyed/damaged. Trees down. Barns/outbuildings destroyed. Cars damaged.										Mellott Fountain County	2	Aftn	-	-	0	-	?	?	Wind
Noblesville Hamilton County + Anderson Madison County + Delaware County	1	805P-826P	-	-	0	0	-	-	Funnel clouds	Kokomo Howard County	2	121P	-	-	0	1	?	?	Wind
Many funnel cloud reports during period.										Man injured when tree fell on car. Local flooding.									

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	
LATE REPORTS INDIANA (continued)									
JUNE 1980									
Montgomery County	2	100P-200P	-	-	1	16	?	?	Tornado
Tornado was first spotted near Waynetown in northwest part of Montgomery County. It apparently dipped up and down as it moved rapidly southeast. The greatest damage was at Moore-heights, 3 miles south of Crawfordsville. Many houses were partially or totally destroyed and several house trailers were destroyed or badly damaged. The death occurred at Ladoga in the southwest part of the county - a woman was killed as she stood by the door of her trailer. Her son received injuries when the same trailer landed on top of him. Damage estimated at \$2 million.									
Jamestown Boone County	2	130P-200P	-	-	0	0	?	?	Hail - marble-size, wind
"Tremendous wind". County roads blocked by fallen trees. Outbuildings destroyed. Trailer turned over. Two barns blown apart. Other structures damaged.									
Advance Boone County	2	145P	-	-	0	0	?	?	Wind
Extensive damage to grain bin. Power lines down. Trailers overturned. Homes destroyed or damaged. \$500,000 total damage.									
Liston Hendricks County	2	150P	-	-	0	0	?	?	Wind
Garage blown onto a van. \$500,000 damage to vehicles and crops.									
New Brunswick Boone County	2	Aftn	-	-	0	1	?	?	Wind
One mobile home destroyed. Seventy trees damaged. Injury only minor.									
Marion County	2	200P-230P	?	?	0	6	?	?	Tornado, hail, wind
Hail was frequently reported as golf-ball size with one report as "softball". The most damage from the tornado was over East Central Marion County where 8 homes were totally destroyed and 12 others with lesser damage. The City/County Building in downtown Indianapolis was felt to sway.									
Muncie Delaware County	2	200P	-	-	0	0	?	?	Funnel cloud, golf-ball size hail
Muncie Delaware County	2	220P	-	-	0	0	?	?	Wind
50 mph wind, flooded underpasses, bridges washed out, downed power lines and trees, substantial crop damage in county.									
Portland Jay County	2	225P	-	-	0	10	?	?	Wind, funnel cloud
Minor injuries in auto accident as a result of storm. Crop damage \$3,444,250. Crop erosion damage \$1,800,000.									
Muncie Delaware County	2	226P	-	-	0	0	?	?	Wind
Winds estimated 60-70 mph.									
New Palestine Hancock County	2	230P	?	?	0	4	?	?	Wind, tornado, hail
Women buried alive in trailer, but escaped with minor injuries. Heavy damage to high/elementary schools. Many homes damaged. Farm outbuildings destroyed. Rob of grocery store. Hail was 6-12" deep in spots - mostly marble size. High trees snapped like matchsticks. Hail reported tennis/baseball size. Damage estimated at \$2 million.									
Roachdale Putnam County	2	230P	-	-	0	0	?	?	Wind
Roof blown off part of house. Outbuildings blown down. Two trailers damaged. Two barns lost roofs.									
LATE REPORTS INDIANA (continued)									
JUNE 1980									
Moonville Madison County	2	Aftn	-	-	0	0	?	?	Wind
Trees fell on house, injured man.									
10 miles NE Shelbyville Shelby County	2	240P	-	-	0	0	?	?	Wind, hail - "fist-size"
Winds up to 58 mph. Hail cracked windshield on Sheriff's car.									
Arlington Rush County	2	252P	-	-	0	0	?	?	Hail larger than golf-ball
6 miles S Rushville Rush County	2	Aftn	-	-	0	0	?	?	Wind
A lot of damage to outbuildings									
6 miles SW Rushville Rush County	2	300P	-	-	0	1	?	?	Tornado, golf-ball size hail
"Tail of tornado in air, black, 10' to 15' over treecops". Trees uprooted. Large branch smashed car, injuring a man. Pockmarked cars from hail.									
Richmond Wayne County	2	330P	-	-	0	0	?	?	Wind
60 mph wind, trees down, power lines down.									
Winamac Pulaski County	2	610P	-	-	0	0	?	?	Hail 1/2" - 1"
Noblesville Hamilton County	2	630P	-	-	0	0	?	?	Wind
Trees down, car damage									
Tippecanoe Lake + Pappakeeche Lake Kosciusko County	2	630P-645P	-	-	0	1	?	?	Tornado, Hail - golf, tennis, baseball size
Boy swollen with welts from hail. Boy reported "great big gray cloud with a tail sticking out". Houses and cars severely damaged. Many thousands of dollars damage."									
N. Webster, Leesburg Kosciusko County	2	Eve	-	-	0	0	?	?	Wind, hail - golf-ball size
Four thousand ducks killed. "Hail looked like snow on ground". Shattered windshields - county roads under water in low spots.									
South of Ossian Wells County	2	Eve	-	-	0	0	?	?	Funnel cloud
Wabash Wabash County	2	639P	-	-	0	0	?	?	Hail - nickel size
Wabash Wabash County	2	653P	-	-	0	0	-	-	Funnel cloud
Williams Adams County	2	700P-720P	-	-	0	3	5	6	Tornado
\$100,000 damage to coop elevator. \$137,000 personal property damage. \$30,000 private home damaged. Liquid gas tank weighing 4,000-5,000 pounds tossed 200' and hit a car. \$4.4 million worth of damage in county. Three persons injured when mobile home was blown over. Five homes - three mobile homes, two barns, farm equipment damaged.									
Adams/Decatur County Line	2	721P	-	-	0	0	?	?	Wind
Wind blew over mobile home									
5 NE of Kendallville Noble County	2	727P	-	-	0	0	-	-	Funnel cloud
Funnel moved northeast at 90 mph. Car following it.									
Howard County	3	-	-	-	0	0	6	5	Flooding
Flooding. \$2136 million home/business damage. \$150,000 crop damage. \$250,000 highway and bridge damage									

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	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS		
LATE REPORTS INDIANA (continued)										LATE REPORTS INDIANA (continued)										
JUNE 1980										JUNE 1980										
Chesterton Porter County	6	320A	-	-	0	0	?	?	Tornado	3 miles N Crawfordsville Montgomery County	7	525P-531P	-	-	0	0	?	?	3 funnel cloud reports	
South Bend St. Joseph County	6	325A	-	-	0	0	?	?	Wind	Mellott Montgomery County	7	530P	-	-	0	0	?	?	Funnel cloud	
North Liberty St. Joseph County	6	400A	-	-	0	0	?	?	Wind	Windfall Tipton County	7	530P	-	-	1	5	?	?	Tornado	
Rurrows Carroll County	6	430A	-	-	0	0	?	?	Funnel cloud, wind	Near Whitestown Boone County	7	536P	-	-	0	0	?	?	Funnel cloud	
Sheridan Hamilton County	6	550A	-	-	0	0	?	?	Wind	3 miles W Lebanon Boone County	7	536P	-	-	0	0	?	?	Funnel cloud	
Northern Newton Co.	7	307P	-	-	0	0	?	?	"Large" hail	2 miles NW Zionsville Boone County	7	538P	-	-	0	0	?	?	Large funnel cloud	
Michigan City Area LaPorte County	7	330P	-	-	0	0	?	?	Tornado	Perkinsville Tipton County	7	543P	-	-	0	0	?	?	Wind	
Central Newton Co.	7	345P	-	-	0	0	?	?	Golf-ball size hail	Indianapolis area Marion County	7	555P-630P	-	-	0	0	?	?	Funnel cloud, wind	
Holcott White County	7	346P	-	-	0	0	?	?	Golf-ball size hail	Marion, Sawyer, Gas City, Jonesboro Grant County	7	Eve	-	-	0	0	?	?	Wind	
Burnettsville White County	7	425P	-	-	0	0	?	?	Funnel cloud	Pt. Isabel Grant County	7	605P	-	-	0	0	?	?	Funnel cloud, wind	
Osceola St. Joseph County	7	428P	-	-	0	0	?	?	Wind	Noblesville Hamilton County	7	600P	-	-	0	0	?	?	Funnel cloud, wind	
Terre Haute Vigo County	7	429P	-	-	1	0	-	-	2 funnel clouds observed/Lightning	Carmel Hamilton County	7	600P	-	-	0	0	?	?	Funnel cloud	
Walkerton St. Joseph County	7	Aftn	-	-	0	0	?	?	2 funnels reported, wind	Westfield Hamilton County	7	600P	-	-	0	0	?	?	Wind	
4 miles SSW LaPorte LaPorte County	7	Aftn	-	-	0	0	?	?	Tornado	2 miles E US31 Hamilton County	7	600P	-	-	0	0	?	?	Funnel cloud	
Logansport Cass County	7	Aftn	-	-	0	0	?	?	Wind, funnel cloud	Markleville Madison County	7	Eve	-	-	0	0	?	?	Funnel cloud, wind	
Plymouth Marshall County	7	500P	-	-	0	0	?	?	Wind	4 miles S Anderson Madison County	7	605P	-	-	0	0	?	?	Funnel cloud	
1 mile NE Whitestown Boone County	7	506P	-	-	0	0	?	?	Funnel cloud	Rushville Rush County	7	Eve	-	-	0	0	?	?	Wind	
Lafayette Tippecanoe County	7	515P	6 1/2	-	0	0	?	?	Tornado Wind 70-80 mph	Pendleton Area Madison County	7	605P	-	-	0	5	5	?	?	Wind
									Width varied between few hundred feet to 1/2 mile. Eleven homes and Howard Johnson Hotel damaged. Trees/power lines down. Barn destroyed. Roof damage to furniture company. Monuments overturned. 4' x 6' masonry wall blown down.										Fire Star Mobile Home Park had \$250,000 damage. Five people injured - four in an RV and one in a mobile home. Wind 70 mph. Eight mobile homes destroyed.	
										Ingalls + No Name Creek Addition Delaware County	7	606P	-	-	0	0	?	?	Funnel cloud,	
										NW Randolph County	7	625P	-	-	0	1	?	?	Wind	
																			House and barn blown down.	

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	
LATE REPORTS INDIANA (continued)									
JUNE 1980									
Dunreith Henry County	7	630P	-	-	0	0	?	?	Funnel cloud, wind
									One building destroyed, and other partially destroyed.
Between Maysville-Raleigh Rush County	7	637P	-	-	0	0	?	?	Funnel cloud, wind
									Trees uprooted. Two pole barns destroyed. Home damaged.
New Castle Henry County	7	650P	-	-	0	0	?	?	Funnel cloud, wind
									Barn and several small farm buildings destroyed. Touchdown on US 40.
Orleans Orange County	7	700P	-	-	0	0	?	?	Funnel cloud, wind
									Main power transformer knocked out. Flats glass window of business broken. Cost \$1,000. Flash flooding.
Paoli Orange County	7	700P	-	-	0	0	5	?	Tornado
									Two barns destroyed. Farm equipment and house trailer damaged. Loss \$50 - \$70,000. Power lines/trees down. Roads closed.
Mt. Hored Orange County	7	700P	-	-	0	0	?	?	Tornado
									Orleans police reported tornado passed Mt. Hored, turned toward southwest to Orangeville Road. Much damage to phone/power lines on Orangeville Rd. Communication down for quite awhile.
Orangeville Orange County	7	700P	-	-	0	0	?	?	Flash flooding
									"Mercury dropped 47 degrees".
Phlox Howard County	7	710P	-	-	0	0	?	?	Wind, funnel cloud
									One trailer destroyed.
Bloomng Grove Franklin County	7	715P	-	-	0	0	?	?	Funnel cloud
Lavonia Washington County	7	730P	-	-	0	0	?	?	Funnel cloud, wind
									Trees down, power outages, barn/silo destroyed.
1 mile east of Pendleton Madison County	7	755P	-	-	0	0	?	?	Tornado
									Tornado lifted barn and put it in the middle of a county road.
Salem + Fredericksburg Washington County	7	Eve	-	-	0	0	?	?	Wind
									One church damaged.
Connersville Fayette County	7	Eve	-	-	0	0	?	?	Wind
									One trailer damaged and another damaged extensively. County roads blocked by downed trees. City police communications knocked out. Wind gusted to 50 mph.
Jeffersonville Clark County	7	Eve	-	-	0	1	?	?	Wind, hail
									Damage to Ayrway store due to rain. Damage estimated at \$225,000. One person injured. Power outages due to lightning. Large hail. High winds. One home damaged when 4" tree fell on it. Estimated on house - \$15,000.
Clarksville Clark County	7	Eve	-	-	0	0	?	?	Wind
									Tent/booth layed flat from wind.
LATE REPORTS INDIANA (continued)									
JUNE 1980									
Jennings County	7	1010P	-	-	1	0	?	?	Lightning
									Construction worker struck by lightning and killed.
Newtonville Spencer County	7	1045P	-	-	0	0	?	?	Funnel cloud, wind
									Trees uprooted
Vincennes Knox County	7	1108P	-	-	0	0	?	?	Hail
Evansville Vanderburgh County	7	1130P	-	-	0	0	?	?	Hail, lightning
									Hail and heavy rain. Lightning struck one home, power outages.
Palmyra Harrison County	7	Eve	-	-	0	0	?	?	Tornado
									Trees/power lines down. "Heard an awful roar". Lots of damage to various outbuildings in surrounding area.
Columbus Bartholomew County	10	200P	-	-	1	1	?	?	Wind
									One construction worker was killed, one was injured when building under construction collapsed from force of wind. Many trees/power lines down.
Elwood Madison County	15	347A	-	-	0	0	?	?	Wind
									Winds 45-60 mph, 6" - 8" tree limbs down.
12 miles S Seymour Jackson County	15	635P	-	-	0	0	?	?	Golf-ball size hail
Vincennes Knox County	15	1108P	-	-	0	0	-	-	1" hail
Belle Union Putnam County	19	221P	-	-	0	0	?	?	Wind
									Numerous trees/power lines down. Horse damaged by falling tree. Two garages demolished - two garages damaged. County roads blocked by falling trees. Crop damage.
Junction of Madison, Delaware, Grant Counties	19	238P	-	-	0	0	?	?	Wind
									Power lines down
Shelby/Johnson County Line	19	300P	-	-	0	0	?	?	Tornado
									Trailer overturned. Trees uprooted. Shelby County Sheriff saw tornado touch down and go back into cloud. Roofing off barn. Residents in area heard sound like roaring of a train. Outbuildings and tractors badly damaged.
Owen/Greene County Line	19	300P	-	-	0	0	?	?	Wind
									Large trees down.
Beanblossom Brown County	19	300P	-	-	0	1	?	?	Wind
									Campers overturned in camping area. Woman suffered facial cuts when tree fell on her, four wheel drive vehicle, breaking windshield.
West of Whitehall Owen County	19	310P	-	-	0	0	?	?	Wind
									Trees and power lines downed. Barn destroyed.
North Vernon Jennings County	19	400P	-	-	1	0	-	-	Lightning
									Man struck by lightning and died.
SE of Spencer Owen County	19	Aftn	-	-	-	-	-	-	Funnel cloud, wind
									Barn destroyed, trees uprooted, power lines down.
Charlestown Clark County	19	535P	-	-	0	0	?	?	Wind
									Trees/power lines down

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	
LATE REPORTS INDIANA (continued) JUNE 1980									
South Bend St. Joseph County	28	257A	2 1/2	100-300	0	0	6	?	Tornado
									Wind 100 mph. Thunderstorms moving at 40 mph. Actual width damage varied between 100 yards and 300 yards and distance of 2 1/2 miles. A sign was picked up and moved 5 miles away. \$4 million worth of damage. Furniture company had parts of fourth floor blown off. Four inch water main was snapped. Damage to furniture building \$750,000. A \$,000 bound truck blown on side. A 960 pound trailer blown across street. Residences damaged by falling trees. Several other businesses were damaged. Many power outages.
Jasonville Greene County	28	508P	-	-	0	0	?	?	Funnel cloud
Monroe County	28	515P	-	-	0	0	?	?	Wind
									Trees and power lines down. Lot of lightning.
Lawrence County	28	515P	-	-	0	0	?	?	Wind
									Trees and power lines down.
Marion/Shelby County Line	28	515P	-	-	0	1	?	?	Lightning
									Man struck by lightning.
Greene/Owen Counties	28	Eve	-	-	0	0	?	?	Tornado
									Tornado moved from Northern Greene through Owen County. Many large trees down. Damage to homes was generally minor. Tornado mostly at tree top level. Top of one tree was driven vertically through the roof of a house and penetrated dining room area.
Lake Monroe Morgan County	28	600P	-	-	0	0	?	?	Funnel cloud
Helmsburg Brown County	28	600P	-	-	0	0	?	?	Funnel cloud, wind
									Power outages due to falling limbs, minor damage.
Martinsville Morgan County	28	615P	-	-	0	0	?	?	Funnel cloud
Mooreville Morgan County	28	635P	-	-	0	0	?	?	Funnel cloud
Hancock County	28	705P	-	-	0	0	?	?	Wind
									Grain bins blown over. Trees/power lines down.
Wayne County	28	705P	-	-	0	0	?	?	Wind
									Trees uprooted, roofs damaged.
S Marion County	28	717P	-	-	0	0	?	?	Wind
									Sheds down, trees down, roofs lifted up, shingles blown off.
N Marion County	28	718P	-	-	0	0	?	?	Wind
									Two sheds blown on top of bar.
Indianapolis Marion County	28	730P	-	-	0	0	?	?	Wind
									Struck Jordan Estate Trailer Park - took roof off clubhouse, shattered windows in trailer houses, and clubhouses. \$4,000 damage to a semi.
Evansville Vanderburgh County	28	830P-847P	-	-	0	0	?	?	Wind
									Wind clocked at 59 mph. Building struck by lightning.
Evansville Vanderburgh County	28	930P	-	-	0	0	?	?	Wind
									Roof and huge doors were blown off of 24' x 44' block building used to store farm equipment.
NE Vanderburgh County	28	midnight	-	-	0	0	?	?	Tornado
									Tornado sighted on Evansville radar just before midnight. \$10,000 damage to concrete building. Trees down. Water main broken, power outages in adjacent counties. Wayside Furniture store destroyed when struck by lightning.
LATE REPORTS INDIANA (continued) JUNE 1980									
New Whiteland Johnson County	28	Night	-	-	0	0	-	-	Lightning
									Power lines down. Lightning hit a substation.
MASSACHUSETTS									
Washington	28	5:15PM	-	-	0	0	0	0	Funnel clouds
									Several small funnels; twisted tree tops and killed birds.
North Central Areas	28	Aftrn.	-	-	0	0	4	0	High winds
									Strong gusty winds blew out several windows and many trees fell onto power lines and automobiles.
Swampscott	28	3 PM	-	-	0	0	3	0	Dust devil
									A large and powerful dust devil formed on a partly cloudy day. It travelled along a road and struck a gas station tearing apart a large sign and "whipping cans of oil through the air."
Adams Kingston Springfield Westwood	28	Aftrn.	-	-	0	0	4	0	Lightning
									A house in Adams sustained a strike and electrical circuits were destroyed. A chimney was hit in Kingston and an attic fire resulted. In Springfield a six family house burned due to a strike. Four houses in Westwood were hit and small fires resulted.
OHIO									
Champaign and Union Counties	28	1245pm-115pm	-	-	0	0	5	0	High Winds
									A heavy thunderstorm with winds in excess of 60 mph damaged a fertilizer plant on the county line. The storm also uprooted trees and did minor damage to some farm buildings.
Pataskala, Licking County	28	119pm	1/4	75	0	0	5	0	Tornado
									A minor tornado touched down briefly damaging 4 houses and downing several trees.
Croton, Licking County	28	1150pm	2	150	0	5	6	0	Tornado
									A tornado touched down in a residential area destroying 6 houses and 3 trailers. Several other houses were damaged. The storm also damaged a number of buildings at the Hartford Fairgrounds.
Miami County	28	9pm-10pm	-	-	0	0	4	0	High Winds
									A thunderstorm with 60 mph winds downed several trees and utility lines and damaged some houses in the county.
Montezuma, Mercer County	28	1030pm	1	150	0	4	6	0	Tornado
									A tornado smashed through a campground in this small community on the south shore of Lake St. Marys. 70 trailers were destroyed.
Defiance, Paulding, Putnam, Van Wert, Allen, Mercer, Auglaize, Richland Counties	28	1111 Day	-	-	0	0	6	0	Heavy Rain
									Thunderstorms moved through all of these counties dumping 2-1/2 to 4 inches of rain. This caused flooding of roads, farm lands and urban drainage systems.
Bath, Summit County	28	1215pm	-	-	0	0	4	0	Funnel Cloud High Wind
									A thunderstorm crossed the county and produced a funnel cloud which did not touch down. As the storm passed winds of 60 mph downed several trees and did minor structural damage.
Madison County	28	1am	-	-	0	0	4	0	Hail
									A thunderstorm dropped 1" diameter hail in many locations across the county.
Franklin County	28	316am	-	-	0	0	4	0	Hail
									One-inch diameter hail fell from a thunderstorm in Western Columbus and Grove City.
Marion County	28	820am	-	-	0	0	4	0	Hail
									A thunderstorm with gusty winds and golf-ball size hail moved across the northern part of the county.
Darke County	28	3pm-330pm	-	-	0	0	4	0	Funnel Cloud High Winds
									A thunderstorm crossed the county producing a funnel cloud and winds of 60 to 70 mph. Several trees were downed and some roofs were blown off in many sections of the county.

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	
LATE REPORTS OHIO (continued)									
JUNE 1980									
Reading - NE Hamilton County	2	405pm	6	70	0	15	7	0	Tornado
A tornado touched down in Wyoming and passed through the communities of Lockland and Reading before lifting off at 412 pm EST near Madaria High School. Several buildings were destroyed or severely damaged. Fifteen people were treated for injuries at area hospitals. The storm moved to the east-southeast.									
Warren County	2	420pm	-	-	0	0	6	0	High Winds Funnel Cloud
A thunderstorm passed through the area with winds of 60 to 70 mph. Three houses and 8 farm buildings between Springboro and Waynesville received substantial damage. A funnel cloud was also spotted in the area, but it did not touch down.									
7 east Hillford, Clermont County	2	425pm	-	-	0	0	3	0	Funnel Cloud/Wind
A funnel cloud was observed in this area. Gusty winds did some minor structural damage and downed some tree limbs.									
Wilmington, Clinton County	2	425pm	-	-	0	0	4	0	High Winds
Thunderstorm winds of 50 to 60 mph damaged a church and several roofs in the city. Several trees and utility lines were also downed.									
Butler County	2	430pm	-	-	0	0	5	0	5° C Hail
A thunderstorm crossed the county producing golf-ball size hail and very heavy rains.									
Greene County	2	430pm	-	-	0	0	4	0	High Winds
50 to 60 mph winds from a thunderstorm downed trees and utility lines and damaged several roofs and barns throughout the county.									
Hillsboro, Highland County	2	5pm	-	-	0	1	5	0	High Winds
50 to 60 mph winds from a thunderstorm downed trees and utility lines and overturned two mobile homes. One resident received minor injuries.									
Allen and Hardin Counties	2	5pm	-	-	0	0	5	0	5° C Hail Heavy Rain
A thunderstorm produced very heavy rain and golf-ball size hail as it crossed the county.									
Jackson, Lawrence and Gallia Counties	2	630pm	8	150	0	0	6	0	6° C Tornado
A tornado did hit-strip damage along a path from southern Jackson county through Blackfork in Lawrence county to Cadmus in Gallia county. The storm struck mostly rural areas but did destroy 2 houses and 7 farm buildings.									
Gallipolis, Gallia County	2	645pm	-	-	0	0	5	0	5° C Heavy Rain
A thunderstorm dumped 3 to 5 inches of rain in the area. This flooded roadways and farm lands.									
Franklin, Fairfield, Licking Counties	2	730pm	-	-	0	0	5	0	5° C Hail Heavy Rain
Thunderstorms moved across the counties and produced torrential rains and hail up to 2 inches in diameter.									
Van Wert County	2	730pm	-	-	0	0	6	0	6° C Hail Funnel Clouds High Winds
A very heavy thunderstorm moved across the county. Several funnel clouds were reported and 70 to 80 mph winds did substantial damage throughout the county. Several buildings were damaged and tree and utility lines downed. Hail up to 2 inches in diameter damaged crops and automobiles.									
Morrow and Richland Counties	3	940am	-	-	0	0	5	0	5° C Hail, Heavy Rain High Wind
A very heavy thunderstorm with heavy rain and hail of 1 to 1-1/2 inch diameter crossed Morrow and Richland counties. Winds of 60 to 70 mph damaged buildings and uprooted trees. The heavy rain caused some flooding in low lying areas.									
Holmes, Tuscarawas and Carroll Counties	3	1030am	-	-	0	0	5	0	5° C Hail, High Wind
A thunderstorm with one-inch diameter hail and 60 mph winds moved through these counties downing trees and utility lines and damaging some roofs.									
Stuebenville, Jefferson County	3	1220pm	-	-	0	0	6	0	High Wind, Hail Heavy Rain Lightning
A violent thunderstorm with 70 to 80 mph winds and golf-ball size hail smashed into the city. Several buildings were damaged and trees were downed. The heavy rain flooded many streets and basements. Lightning strikes started several fires throughout the city.									

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	
LATE REPORTS OHIO (continued)									
JUNE 1980									
Paulding, Van Wert, Defiance, Mercer, Darke, Preble, Putnam, Allen, Auglaize, Shelby, Miami, Hardin, Logan, Champaign, Clark, Wyandot, Marion, Union, Madison, Crawford, Richland, Morrow, Knox, Holmes, Delaware, Licking, Coshocton, Franklin, Guernsey, Pickaway, Pike Carroll County	May 30 - June 3	-	-	-	0	0	8	0	8° C Heavy Rain Hail, High Wind
A number of heavy thunderstorms moved across the center of Ohio during these five days. Excessive rain fell from these storms. Two to five inches of rain from a storm was common while seven to ten inches of rain fell from some of the heavier storms. The rain flooded thousands of acres of farmland and several crops were lost. Along with the rain several hail storms and strong winds destroyed crops.									
Carroll County	6	610PM	3/4	75	0	2	5	0	Tornado
A tornado touched down briefly 7 miles east of Carrollton at 610 PM EST. A mobile home was destroyed and a man and his 10-year old daughter were injured. Several trees were downed and 6 farm buildings were destroyed in the path of the storm.									
Williams and Henry Counties	7	1240PM	-	-	0	0	5	0	5° C Hail, High Winds Heavy Rain
A heavy thunderstorm moved through these counties with golf-ball size hail and 65 to 75 mph winds. Several trees were downed and six barns were destroyed in Henry county. Up to 2 inches of rain fell in Williams county flooding drainage systems and farmland.									
3 miles southeast Mauseon, Fulton County	7	1PM	1	50	0	0	6	0	Tornado
A mini tornado touched down and destroyed a church and some farm buildings. The funnel lifted off the ground and then touched down again 4 miles southwest of Delta where it destroyed 2 hangars and several aircraft at Breiter Airport.									
Muskingum, Perry and Licking County	7	245PM	-	-	0	0	5	0	5° C High Wind, Hail
A heavy thunderstorm with 60 mph wind moved across these counties. Winds downed trees and utility lines. One-inch diameter hail was reported in the Granville area.									
Guernsey County	7	325PM	-	-	0	0	4	0	High Wind, Hail
60 to 70 mph winds in a thunderstorm downed several trees. Also golf-ball size hail was reported in the northern part of the county.									
Jefferson County	6	642PM	3/4	75	0	0	4	0	Tornado
A small tornado touched down briefly between Richmond and the Ohio River damaging farm buildings and trees.									
Mt. Hope, Holmes and Tuscarawas Counties	7	325pm	1	50	0	1	6	0	Tornado
A mini tornado touched down briefly just north of Mt. Hope destroying three mobile homes and damaging several farm buildings. An infant in one of the mobile homes was injured by flying glass. The funnel then traveled southeast and touched down again at 345pm EST near Dundee in Tuscarawas county. Here damage was limited to trees and farm outbuildings. Damage estimates in the Mt. Hope area were approximately \$1 million.									
Wood and Seneca Counties	7	6-7pm	-	-	0	6	6	0	High Wind, Lightning
A thunderstorm with winds clocked at 75 mph moved through these counties causing extensive damage. The heaviest damage occurred in Rudolph, Bowling Green and Potosi. Three mobile homes were overturned in Rudolph and six residents were injured. Lightning strikes started several fires.									
Mercer County	7	640pm	-	-	0	0	5	0	High Winds
60 to 75 mph winds in a thunderstorm damaged several buildings and downed trees and utility lines in the northern part of the county.									
Vernon, Richland County	7	716pm	1-1/2	15	0	0	5	0	Tornado
A mini tornado touched down briefly in this community about 20 miles northwest of Mansfield. The storm downed trees, moved a house trailer off its foundation and destroyed a barn.									
Erie, Huron and Ottawa Counties	7	720pm	-	-	1	2	5	0	High Winds
Heavy thunderstorms moved through these counties downing trees and utility lines and damaging buildings. A woman was killed at Cedar Point Amusement Park when a falling tree struck her in the head. Also a boat off Marblehead was overturned and the two occupants were injured and they were in the water for several hours before being rescued.									
Lorain, Cuyahoga, Lake, Geauga and Summit Counties	7	735pm - 830pm	-	-	0	1	6	0	High Winds, Lightning
Thunderstorms moved off of Lake Erie into these counties with winds in excess of 75 mph. Several buildings were damaged and trees and utility lines were downed. A 16-year old boy was injured in Geauga county when lightning struck a utility pole while he was talking on the phone. Lightning strikes also started several fires, the most significant of which was a million dollar fire at a lumber yard in Olmsted Falls in southern Cuyahoga County.									

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		
LATE REPORTS										
OHIO (continued)										
Delaware County	7	740pm			0	0	5	0		High Wind
		A thunderstorm with 60 to 70 mph winds crossed the northern half of the county damaging buildings and downing trees and utility lines.								
Stark, Holmes and Wayne Counties	7	8-830pm			0	0	5	0		High Wind
		Thunderstorms with winds in excess of 60 mph damaged several buildings and downed trees and utility lines.								
Columbiana County	7	842pm			0	0	4	0		High Winds
		A thunderstorm with winds measured at 65 mph struck the Salem-Lisbon area. The winds unroofed buildings and downed trees and utility lines.								
Athens County	15	1230pm			0	1	4	0		High Winds, Heavy Rain
		A heavy thunderstorm moved through the county with 60 mph winds and up to 2 inches of rain. A farm in Codkville Ridge suffered considerable damage and the farmer was injured by flying glass.								
Montgomery, Miami, Shelby	29	330pm - 10pm			3	0	6	0		Heavy Rain
		Thunderstorms dumped 7-1/2 to 9 inches of rain on these counties. Drainage systems and farmlands were flooded. Three people drowned when 2 fell into a river while watching it rise after the rain and the third tried to rescue them.								
Lorain County	29	550pm			0	3	4	0		High Winds
		A thunderstorm with 50 to 60 mph winds moved over Lake Erie along the Lorain County shore. Several boats were capsized and three boaters were injured.								
PENNSYLVANIA										
EASTERN										
Richmond Township, Berks County	1	9 PM EDT			0	0	4	0		Wind-Electrical
		A thunderstorm brought down a high voltage power line in a pasture. Thirty-one head of cattle were electrocuted.								
Eastern Pennsylvania	3	2 PM to 5 PM EDT			1	25	6	3		Wind, Hail, Electrical
		Thunderstorms moving across eastern Pennsylvania caused considerable damage especially south portion. Hail up to the size of ping-pong balls caused some damage to fruit crops. Lightning damaged buildings and trees and started a few fires. Most of the extensive damage was caused by wind gusts and mostly in the southeast part of the state bounded by York to Cumberland to Northampton Counties. Some of the higher wind gusts recorded were 80 MPH Reigle's Airport near Campbelltown, Lebanon County, 70 MPH at Reading, 69 MPH at Allentown. Hundreds, possibly even thousands of trees were downed by the wind gusts. The trees were broken off or uprooted and many had branches or large portions broken off. The trees or limbs brought down many utility lines with power outages affecting close to 200,000 customers. The trees, many of them very large, fell on cars, trucks, houses and other buildings. Quite a few of the houses and motor vehicles received extensive damage. A man was killed when a tree fell on his pick-up truck in Philadelphia and three people were injured in Haverford when another truck was hit by a falling tree. Many roads were completely blocked by fallen trees. Many roofs or portions of roofs were torn from houses, barns and various commercial buildings as well as a church and an apartment building. The extent of damage in some sections suggests the possibility of downburst winds and although there were reports of funnel cloud sightings, none could be confirmed.								
Southern half Eastern Pennsylvania	7	7 PM to 9 PM EDT			0	6	6	4		Wind, Hail, Electrical
		Violent thunderstorms brought down hundreds of trees and tree limbs which in turn brought down many utility lines. Thousands of customers were without electrical power. The wind gusts also damaged buildings, with roofs or portions of roofs torn off houses, barns and other buildings. Hail up to the size of golf balls was reported and caused extensive damage to fruit crops. Some orchards also had wind damage. The winds and hail also damaged grain crops. Lightning strikes caused damage to buildings and trees and caused a few fires. Six softball players were injured when lightning struck a ballfield. Lightning also damaged a home near Loyalsockville in Lycoming County. A portion of the roof off a hospital in Peckville near Blakely, Lackawanna County. There was an unconfirmed report of a funnel cloud near Glen Rock. Heavy rains caused considerable roadway flooding with some roads impassable at times.								
LATE REPORTS										
PENNSYLVANIA (continued)										
EASTERN										
Bermudian, Adams County to near Wells-ville, York County	7	7 PM EDT	6.0	800	0	0	6	4		Tornado
		A tornado took the roof, a portion of the roof or upper floor off quite a few houses. It also flattened some barns or took the roof or part of the roof off. Many trees or utility poles were uprooted or broken off including portions of orchards. Twelve airplanes and five hangars were severely damaged.								
Near East Berlin, Adams County	7	7 PM EDT	1.5	400	0	0	5	2		Tornado
		A tornado tore off all or a portion of the roof and upper floor of houses and barns. Also, it almost completely destroyed a commercial building; it downed many trees, some of them in orchards. Three cattle and one hog were killed in one collapsed barn. Also, 1,000 turkeys were lost when a 300-foot section of roof was lifted from a farm building.								
Brownstown, Lancaster County	7	8 PM to 8:30 PM EDT	1	30	0	0	4	0		Tornado
		A tornado cut a narrow path through the town and into the country side. Many trees were downed along with utility lines. Two barns were collapsed, one house had most of the roof removed and a number of small buildings were moved or destroyed.								
York and Lancaster Counties	15	3 PM to 5 PM EDT			0	4	4	0		Wind, Hail
		Wind gusts accompanying thunderstorms downed trees and utility lines. The heaviest damage was from Columbia to New Danville in Lancaster County. One cottage had most of the roof blown off. Two people sustained minor injuries when a tree fell on their automobile and a girl was scraped by a falling tree. In York County a man was injured when lightning hit near him. Hail up to the size of golf balls fell at Hanover, York County. Wind gusts to 71 MPH were recorded near Columbia.								
Susquehanna Valley	28	4 PM to 8 PM EDT			0	2	5	2		Wind, Hail, Electrical
		Thunderstorms rolling across the Susquehanna Valley caused damage in the Lock Haven, Kenovo and Williamsport areas and also around Sunbury; but the heaviest damage was in Lebanon and Lancaster Counties. Many trees and utility lines were down with some trees causing damage to houses or automobiles. In the heaviest hit areas many buildings were severely damaged with entire roofs or parts of roofs torn away including houses. A number of buildings, barns, sheds and other farm buildings were completely destroyed. In one collapsed barn 37 head of cattle died and a calf died in another. Several house trailers were overturned by wind gusts and two people inside one of them received minor injuries. Lightning caused several fires with one or two resulting in considerable damage to homes. Hail up to the size of marbles covered the ground in spots and caused minor crop damage. An intense hailstorm in Dallastown, York County caused window damage to about 75 percent of the buildings in the community.								
Eastern Pennsylvania	29	3 AM to 5 AM EDT 4 PM to 10 PM EDT			0	0	4	0		Wind, Electrical, Heavy rain
		Thunderstorms moved across the state at several times with wind gusts downing trees and limbs and combining with lightning strikes to cause power outages to thousands of customers. Lightning also started a few house fires, but only one resulted in much damage. The wind gusts around 4 PM tore portions of the roofs off a home and a commercial building near Glenrock, York County and a large								
WEST VIRGINIA										
Monongalia and Preston counties	3	230-300pm	24	150	0	15	6	0		Tornado
		The most devastating tornado to strike West Virginia since 1944. There were no deaths but 15 were injured. Initial touchdown was near Ridgetdale in extreme eastern Monongalia county. Tornado moved southeast hitting Reedsville in Preston county, to Manow, to southern Kinwood, passing 2 1/2 miles south of Terra Alta, then moving into Garrett county Maryland. Total path length of 29 miles, 2 1/2 miles in West Virginia.								
		One of the hardest hit areas was Reedsville, a community of 400 people. Extensive damage at Kinwood Mobile Home Village near Kinwood. It was here that a two year old child was thrown into a pasture nearly a mile from her trailer home. She suffered head injuries and fractured legs. A large number of injuries or deaths were probably prevented because schools were closed due to primary elections.								
		Total damage set at \$1 million. 28 homes were totally destroyed, 42 homes with major damage, 60 homes with minor damage. 13 businesses and 9 public buildings damaged.								

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		
LATE REPORTS										
WEST VIRGINIA (continued) JUNE 1980										
Northern West Virginia	3	12-4pm			0	0	4	0		Thunderstorm Winds
Several areas of strong thunderstorms moved across northern areas of the state with torrential downpours, strong winds and small hail. A mobile home was blown over in Brooke county around noon. Many areas reported uprooted trees and downed power lines.										
Harrison and Taylor counties	3	3:15-4:00pm			0	0	0	0		Hail
1 to 1 1/2 inch hail fell at several locations. Baseball size hail fell briefly near Crafton, Taylor county, at 3:40 pm.										
Raleigh county	6	7:45am			0	0	4	0		Lightning
Lightning struck two mobile homes in different sections of the Beckley area. One home was destroyed. At 11pm that afternoon, three cows standing under a tree were killed by lightning. Heavy thunderstorms moving through the area also caused some urban flooding.										
Northern half of West Virginia	7	aftn. & eve.			0	0	3	2		Thunderstorm Winds
Several areas of strong thunderstorms hit northern counties during the afternoon. Numerous reports of uprooted trees, downed power lines, small hail and brief urban and poor drainage flooding.										
Wetzel and Tyler counties	7	aftn			0	0	4	2		Flash Flooding
Heavy thunderstorms caused flash flooding along Point Pleasant Creek near New Martinsville in Wetzel county. Two mobile homes were destroyed and others suffered minor damage. Three mobile homes in the Ten Mile area of Tyler county were washed off their foundations. Several mud slides blocked roads. Many foot bridges and low water vehiclar bridges were washed out by the flood waters. Twenty homes suffered basement flooding near Padon City.										
Lewis county	7	5:10pm			0	0	0	0		Funnel Clouds
Three funnel clouds reported by the public over southern Lewis co.										
Braxton county	7	6:00pm			0	0	?	0		Hail
Sutton and Gasaway received 1 to 3 inch hail.										
Hancock county	7	9:15pm			0	0	0	0		Funnel Cloud
Funnel cloud passed over Weirton.										
Northern West Virginia	15	aftn. & eve.			0	0	3	0		Thunderstorms
Strong thunderstorms rumbled across much of northern WV with strong gusty winds, heavy downpours and small hail. Numerous trees were blown over blocking roads and causing power outages.										
Hancock county	15	6:00pm			0	0	0	0		Hail
Golf ball size hail fell at Weirton.										
Belington in Barbour county	16	12:15am			0	0	4	0		Lightning
Lightning struck a home near Belington with such force that it knocked the paneling off the walls. The house then burned to the ground.										
Kanawha county	23	5:00pm	1/4	15	0	0	4	0		Tornado
A small and very short lived tornado touched down in South Charleston ripping the roof off a Mr. Carpet store. A nearby wind instrument atop an industrial building clocked an 85 mph gust. Strong thunderstorm winds felled many trees across the city. Several areas experienced prolonged power outages.										
CORRECTIONS										
KENTUCKY										
BRACKEN CY		2:40 PM EST								
APRIL 1980										
SOUTH DAKOTA										
Conde, Spink County	29	4 PM								Tornado
Small tornado with no damage reported.										
CONNECTICUT										
Canterbury Lisbon	3	7:15PM			0	0	2	0		High winds, hail
Strong winds to 60-70 MPH knocked down trees and power lines and a possible "twister" or very small tornado threw a large tree onto a house.										
CORRECTIONS										
KENTUCKY										
Fayette CY		10:16PM EDT	3	30	0	0	4			Tornado
A tornado touched down in downtown Lexington at Patterson St. It hopped and jumped for about 3 miles, moving ESE at 35 MPH. Numerous trees were down, power lines were down and windows were broken. But, overall, the damage was relatively light.										
SOUTH DAKOTA										
Lemmon area, Perkins County	4	5 PM to 6 PM						4		Tornadoes
Police Chief observed thirteen tornadoes west of Lemmon. Two small tornadoes combined into one larger tornado. One mobile home and an automobile were destroyed and/or overturned according to newspaper clippings.										
Webster, Day County	12	3:53PM								Tornado
Road construction crew reported a tornado dipped down in open country ten miles south of Webster. No damage.										

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

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

SUBSCRIPTION PRICE: \$4.80 per year; \$12.00 foreign; 40¢ single copy; \$1.00 foreign. There is a minimum charge of \$3.00 for each order of shelf-stocked issues of publications. Make checks payable to Department of Commerce, NOAA; send payments and orders to: National Climatic Center, Federal Building, Asheville, NC 28801. Attn: Publications.

USCOMM-NOAA-ASHEVILLE, N. C. 1980-1700

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF COMMERCE
COM 210



THIRD CLASS
BULK RATE