

JULY 1979

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STORM DATA



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NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

ENVIRONMENTAL DATA AND
INFORMATION SERVICE

NATIONAL CLIMATIC CENTER
ASHEVILLE, N.C.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1979

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA Jefferson County	2	2:00p			0	0	0	0	Hail
									Severe thunderstorm produced one-half to one inch hail at Clay in northern portion of county.
Jefferson County	3	4:00p			0	1	3	0	Hail and high winds
									County civil defense reported one person received head injury from one inch hailstones during severe thunderstorm along Warrior River about 2 1/2 miles west of Birmingham. Trees were uprooted and part of a marina was unroofed.
Calhoun County	3	5:30p			0	0	3	0	Hail and high winds
									State troopers reported high winds and golf ball sized hail during severe thunderstorm in the Jacksonville/Anniston area. Trees were uprooted and some power lines were downed.
Dale County	5	4:30p	**200	15	0	0	5	0	Tornado
									Public reported small tornado touched down near Wicksburg, about 15 miles west of Dothan. Severe damage resulted to several chicken houses, numerous trees were downed, and some damage occurred to dwelling.
Covington County	11	6:10p	1 1/2	100	0	4	5	4	Tornado
									A number of persons were witnesses as a tornado touched down near Red Level in the northwest portion of the county and moved north-eastward along a five mile path. Two people were hospitalized and two others were injured. Damage was estimated by civil defense at \$100,000. Four frame houses were destroyed and several other houses, barns and chicken houses were heavily damaged. One house trailer was destroyed. Many trees were uprooted and a pecan orchard was damaged. There was slight damage to soybean crops.
Montgomery County	11	7:30p	**50	15	0	0	0	0	Tornado
									State troopers reported small tornado touched down briefly 25 miles southwest of Montgomery. No injuries or damage reported.
Mobile County	11	Morning-Evening			0	0	4	0	High tides and heavy rains
									High tides, wind, and heavy rain resulting from Hurricane Bob, damaged cars, boats, and piers and interrupted seafood producers and processors in Bayou La Batre area.
Mobile County	13	11:15a			0	0	0	0	Waterspout
									Alabama State Police reported a brief waterspout in the northern portion of Mobile Bay.
Mobile County	17	5:40p	**100	10	0	0	3	0	Waterspout and tornado
									A waterspout came ashore briefly and did some tree damage along western shore of Mobile Bay south of Mobile, then lifted and dissipated.
Mobile County	20	6:25p			0	0	0	0	Waterspout
									Coast Guard reported waterspout in Mobile Bay 5 miles northeast of Dauphin Island moving toward the north.
Mobile County	21	12:10p			0	0	0	0	Waterspout
									Coast Guard reported waterspout 12 miles south of Dauphin Island moving toward the north.
Madison County	21	11:00a-			0	2	5	0	Flash Flood
									Flash Flooding resulted from rainfall in excess of 8 inches in parts of downtown Hartsville between early morning and mid-afternoon, with amounts in excess of 5 inches between noon and 2:00p. Two people were injured when the roof of a music store collapsed. Damage to public facilities, businesses, and private property was estimated by civil defense at nearly \$500,000.
Baldwin County	22	12:35p			0	0	0	0	Waterspout
									U.S. Coast Guard reported waterspout just off of Fort Morgan on eastern side of Mobile Bay.
Baldwin County	25	2:45p			0	0	0	0	Waterspout
									U.S. Coast Guard reported a waterspout one mile southwest of Fort Morgan moving toward the north northwest. The waterspout was also observed by a pilot taking off from Brookly Field.
ALASKA Fairbanks area	4	2PM-5PM			0	0	5	7	Severe Thunderstorm
									Strong airmass contrast along a cold front that moved into the lower Tanana Valley on the afternoon of July 4 resulted in widespread thundersstorms in the eastern Interior of Alaska. One of the thundersstorms hit Fairbanks. There was considerable wind damage. A warehouse was blown down, several roofs were blown off, aluminum siding was peeled off some buildings, and a large billboard was blown over. The strongest winds were observed in south Fairbanks, and exceeded 40 mph. Most of the city was without power for over 3 hours as trees blown down by the wind took out power lines. There was locally heavy rain, and minor urban drainage flooding with the storm.
Cook Inlet	12-13				0	0	4	0	Glacial Lake Outburst
									The waters of Strandline Lake cut through Triumvirate Glacier and poured out rapidly into the Selkwa River Valley. Strandline Lake last "dumped" like this in 1974. The approaches to a bridge over the Selkwa River were washed out and some fishing camps along the Selkwa River were flooded with some buildings washed away.
Matanuska Valley	14-15				0	0	6	0	River Flooding and Landslides
									Heavy rains fell in the Matanuska Valley over the weekend of July 14 to 15, resulting in significant flood damage, mainly in the middle and upper portions of the valley. Mud and rock slides closed the Glenn Highway for several hours of the weekend. 120 feet of a 200-foot steel bridge was washed out by high water on the upper Matanuska River.
ARIZONA Tucson, Pima County	15	5:00 p.			0	2	0	0	Lightning
									Two men who climbed to the top of a mountain on the west side were struck by lightning, knocking them both to the ground and leaving them unconscious for several minutes. Both felt extreme pain in their upper bodies for a while, but escaped with no serious injuries.
Goodyear, Maricopa County	17	7:30 p.			0	17	4	0	Wind
									A greyhound bus traveling at a slow speed during a thunderstorm overturned 2 miles west of here on Interstate 10 when a wind gust estimated at 70 m.p.h. caught the rear end and toppled it on its side coming to rest on a guardrail. The driver and 16 passengers were injured.
Bullhead City Area Mohave County	19	Evening			0	0	5	0	Wind
									A severe thunderstorm with winds gusting to 80 p.p.h. did considerable damage to mobile homes, travel trailers, roofs and sheds. A 10x60 ft. mobile home was rolled 84 feet before coming to rest. Power lines were also downed with power outages of 3 to 4 hours. Total damage estimated at \$100,000, but no injuries were reported.
Catalina-San Manuel Area, Pinal County	28	4:18 p.			0	0	5	0	Wind
									Severe downdrafts gusting to 85 m.p.h. from the slopes of the Santa Catalina Mountains destroyed three mobile homes and tore the roof from a church. Total damage in the area estimated at \$50,000.
Phoenix Maricopa County	29	7:30 p.			0	0	5	0	Lightning
									A lightning caused fire did \$168,000 damage to a plastic manufacturing company.
ARKANSAS Booneville - Logan County	1	1:30 a.			0	0	6	?	High Wind/Hail/Flooding
									Heavy thundersstorms through the area produced strong winds, hail, and heavy rain. Over 500 homes and businesses along with many autos were damaged by the wind and hail. Some businesses and homes near Booneville Creek received water damage. One warehouse near the creek had over five feet of water inside it. Most of the damage, however, was caused by the hail. Damage was estimated at over one million dollars.
Kibler - Crawford County	5	8:00 p.			1	0	0	0	Lightning
									A thirty-six year old man was killed when lightning struck him as he was working on a television antenna beside his home.
Several Miles Northwest of Charleston - Sebastian County	5	9:30 p.			1	0	4	0	Lightning
									Lightning caused a fire which destroyed a home. An eighty-two year old woman inside the house died in the fire.
Near England - Lonoke County	8	6:45 p.							Funnel Clouds
									Three funnel clouds were sighted by the local police. The funnels were moving southeastward.

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ARKANSAS (continued)									
Lincoln - Washington County	9	Morning			0	1	0	0	Lightning
A Cable TV repairman was injured when lightning struck the cable he was working on. He was knocked unconscious for several minutes.									
Near Bismarck - Hot Spring County	9	3:30 p.			0	0	0	0	Hail
Thunderstorms produced golf-ball sized hail. No damage was reported.									
Maumelle - Pulaski County	9	5:05 p.							Funnel Cloud
A funnel cloud moving southward was reported by the Maumelle Police.									
Southwestern Little Rock - Pulaski County	9	5:15 p.			0	0	?	0	Hail/High Winds/ Lightning
Thunderstorms produced high winds and egg-sized hail. Several roofs and antennas sustained damage. Lightning caused fires at a warehouse and a residence. The lightning damage was estimated at over one thousand dollars, but the wind and hail damage was not known.									
Over Pine Bluff - Jefferson County	9	6:35 p.							Funnel Cloud
A funnel cloud moving southward was reported by the State Police.									
3 Miles West of Tucker - Jefferson County	9	6:30 p.	100	15	0	0	0	0	Tornado
A tornado moving southward touched down briefly near a farm. No damage was reported.									
Just Southwest of Story - Montgomery County	9	6:40 p.							Funnel Cloud
A funnel cloud moving southeastward was spotted by sheriff's deputies.									
Hope - Hempstead County	9	11:13 p.			0	0	5	0	Lightning
Lightning caused a fire which heavily damaged the Hempstead County Courthouse in Hope. Damage was estimated at over 500 thousand dollars.									
5 Miles Southeast of Wabbaseka - Jefferson County	10	2:50 p.							Funnel Cloud
A funnel cloud was reported by the public. No direction of movement was given.									
Pocahontas - Randolph County	15	Afternoon			0	0	4	0	Lightning
Lightning caused a fire which destroyed a home on Hoelscher Lane in Pocahontas.									
Near Nashville - Howard County	16	4:20 p.			0	0	?	0	High Winds
Strong winds flipped over a mobile home, damaged a chicken house, and uprooted several trees. No injuries occurred.									
Morrilton - Conway County	17	About 4:00 p.			0	0	4	0	Heavy Rain/ Flooding
Thunderstorms produced heavy rain which flooded several areas of town. A furniture store's roof collapsed from the weight of the water. Damage was estimated at over 5 thousand dollars.									
9 Miles Northwest of Pine Bluff - Jefferson County	23	5:05 p.							Funnel Cloud
A funnel cloud moving northwestward was spotted by several law enforcement officials.									
Eastern Saline County	23	5:40 p.							Funnel Cloud
A funnel cloud moving northwestward was spotted by a sheriff's deputy.									
Just North of Atkins - Pope County	31	5:00 p.			0	0	?	0	Hail/High Winds
Thunderstorms produced golf-ball sized hail. High winds also damaged trees and fences.									
CALIFORNIA									
NORTHERN & CENTRAL									
NONE REPORTED									
CALIFORNIA SOUTHERN									
NO REPORT RECEIVED									
COLORADO									
Fleming	1	1630			0	0	2	2	Hail
A hailstorm broke windows and took paint off buildings in Fleming, and damaged some wheat crops near town.									
Calhan	3	1600			0	0	?	?	Hail
A severe thunderstorm produced hail that piled up to a depth of 7 1/2 inches near Calhan.									
Littleton	5	1840			0	0	?	?	Hail, heavy rain
Golf ball size hail fell 2 miles east of Littleton, along with 8/10 of an inch of rain in 15 minutes.									
Denver	5	1840			0	1	0	0	Lightning
A man was seriously injured when struck by lightning.									
Fort Collins	5	2000			0	0	3	?	Hail
Golfball to baseball size hail pelleted the southeastern part of Fort Collins. The hail broke windows, dented a few cars, and damaged gardens.									
Bennett	6	1500	0.3	20	0	0	0	0	Tornado
A tornado touched down near Bennett. The twister did no damage, but one inch hail with the storm knocked out a few power lines.									
Strasburg	6	1500	0.3	20	0	0	0	0	Tornado
A tornado touched down in an open field 3 miles northeast of Strasburg.									
Weld County	6	1510	1.0	30	0	0	0	0	Tornadoes
Two tornadoes were sighted in open country 20 miles northeast of Stoneham.									
Las Animas	6	1900	0.5	20	0	0	0	0	Tornado
A tornado touched down briefly 4 miles west of Las Animas.									
Erie	12	2130	2.0	50	0	0	4	0	Tornado
A tornado skipped through farming country near Erie, touching down in at least 4 spots. Two farms suffered damage; sheds were unroofed. Two cows were fatally injured.									
Colorado Springs	13	2200			0	1	3	0	High winds
High winds in the southeast part of town blew out windows in several buildings. One man was cut by flying glass. A propane tank was knocked over, and trees and power lines were blown down.									
Bent County	14	1930	1.0	40	0	0	3	0	Tornado
A tornado 3 miles east of John Martin Dam damaged a hog shed.									
Elbert, Teller Counties	14	2000			0	0	2	?	Hail
One inch diameter hail was reported at Elbert. No damage was reported there, but cars were damaged by two inch hail at Cripple Creek in Teller County.									
Huerfano County	15	1825	0.5	25	0	0	0	0	Tornadoes
A pilot reported two tornadoes 30 miles south of Pueblo. The twisters touched down only briefly, moving toward the southeast.									
Weld County	16	1720	1.0	25	0	0	0	0	Tornado
A tornado touched down briefly 2 miles south of Keota. This tornado was spawned by the same system that produced the killer tornado in Cheyenne, Wyoming earlier in the afternoon.									
Washington County	16	1800	2.0	50	0	0	0	0	Tornado
A tornado was spotted in open country 9 miles south of Akron.									
Douglas County	17	1630	1.0	50	0	0	2	0	Tornadoes
A tornado touched down briefly 5 miles south of Castle Rock, damaging trees and power lines. 45 minutes later a twister associated with the same thunderstorm cell was reported just east of Franktown, again with minor damage. Numerous funnel clouds were also sighted in the area at the time.									
Douglas, Elbert Counties	17	1630			0	0	3	0	Hail, heavy rain
The same thunderstorm cell that produced the Douglas County tornadoes pelleted the area between Kiowa and Elizabeth with golfball size hail. Heavy rain washed out a section of road just south of Franktown.									
Trinidad	17	1700			1	0	0	0	Flash Flood
A 15 year old girl was drowned in a flash flood triggered by a nearby thunderstorm.									
Pueblo County	17	1712	1.0	25	0	0	0	0	Tornado
A tornado briefly touched down 20 miles northeast of Pueblo, and moved southeast.									
Colorado Springs	17	1730			0	0	3	0	Funnel clouds, High winds
A severe thunderstorm spawned several funnel clouds over Colorado Springs. Strong winds blew down some trees and power lines.									

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COLORADO (continued)									
Ordway	17	1800			0	0	3	0	High wind
			High winds damaged a storage building and blew a chimney off of a house.						
Fowler	17	1809	0.5	50	0	0	0	0	Tornado
			A tornado was reported by an amateur radio operator. It touched down near Fowler, lifting before reaching the town. The funnel passed over Fowler, moving south.						
Colorado Springs	18	1500	0.5	25	0	0	0	0	Tornado
			A tornado was sighted about 5 miles north of Colorado Springs.						
Weld County	18	2030			0	0	0	3	Hail
			Up to golf ball size hail fell near Stoneham, damaging crops in the area.						
Las Animas County	18	2030			0	0	2	2	Hail
			Golf ball size hail fell in Starkville, damaging roofs and wiping out gardens.						
Larimer County	21	1800			0	1	0	0	Lightning
			A woman was injured when she was struck by lightning in the mountains north of Cameron Pass.						
Larimer County	22	2115	1.0	25	0	0	0	0	Tornado
			A tornado was sighted in open country 6 miles northeast of Fort Collins.						
Fleming	23	1500			0	0	3	3	Hail
			Golf ball size hail broke many windows in the town of Fleming, and damaged crops in the area.						
Colorado Springs	24	1317			0	0	2	0	Lightning
			A home suffered \$500 damage when it was struck by lightning.						
Fleming	24	1425			0	0	?	?	Hail, high winds
			A severe thunderstorm produced golf ball size hail and winds gusting to 80 mph near Fleming.						
La Junta	24	1700			0	0	?	?	High wind
			A thunderstorm produced a wind gust of 71 mph, along with small hail and heavy rain.						
Woodrow	25	1530			0	0	0	3	Heavy rain, hail
			7 1/2 inches of rain fell at Woodrow in a few hours. Some crops were damaged by hail.						
Teller County	25	1630	0.2	100	0	0	0	0	Tornado
			A tornado touched down just south of Cascade, a town about 10 miles west of Colorado Springs. The twister leveled a swath of trees 800 feet long and 300 feet wide. Several funnel clouds were also reported in the area, which is near the base of Pikes Peak.						
Weld County	25	1800			0	0	3	4	Hail, wind, heavy rain
			A severe thunderstorm clobered an area near New Raymer. Hail piled up to a depth of 6 inches. Wheat, oat, and barley crops were wiped out. Two roofs were damaged, and several windows were broken. Winds gusted to 62 mph. 4 1/2 inches of rain fell in the area.						
La Junta	25	2000			0	0	0	?	High wind
			A gust of 60 mph was recorded in a thunderstorm.						
El Paso County	27	1640	1.0	25	0	0	0	0	Tornado
			A tornado was observed in open country 10 miles southeast of Calhan.						
Pueblo	28	1800			0	0	?	?	Severe thunderstorm
			A thunderstorm hit Pueblo with wind gusts to 70 mph. As much as one inch of rain fell in the city in a few minutes. Numerous power outages occurred, and traffic was snarled by street flooding.						
Sterling area	28	1855			0	0	2	?	Hail, lightning
			Golf ball size hail fell 2 miles west of Sterling and also in Northeastern Weld County. A home in Sterling was lightly damaged when hit by lightning.						
Weld County	29	1435	0.3	25	0	0	0	0	Tornado
			A tornado was spotted in an open field 1 1/2 miles southeast of Nunn.						
El Paso County	29	1700	0.5	25	0	0	2	0	Tornado
			A tornado 9 miles east of Colorado Springs damaged a mobile home.						
Fort Collins	30	1650			1	25	7	4	Hail
			The worst hailstorm in the history of Fort Collins capped one of the most severe hail years on record in eastern Colorado. The storm lasted about 40 minutes and bombed most of Fort Collins with hail of baseball to softball size. About 2500 vehicles and 2000 homes were damaged, many seriously. New car dealerships were hard hit, and later had "hail sales" of damaged automobiles. One hailstone the size of a grapefruit crashed through the roof of a house. At least 25 injuries occurred, mostly when people were hit on the head by the huge hailstones. A three month old baby was critically injured, and died on August 8. As far as can be determined, this is only the second recorded fatality in the United States attributed directly to a blow from a hailstone. The hail came down with such force that some large stones were embedded in the ground. One stone 3 inches in diameter weighed 8 ounces. Total damage was estimated at 20 million dollars.						
Logan County	30	1800			0	0	3	3	Hail, high winds
			A strong thunderstorm produced hail that damaged crops near Sterling. Winds gusted to 60 mph with the storm in Sterling and Fleming, felling trees and blowing a camper off the road. The Camper sustained \$3000 Damage.						
Kiowa	30	1945			0	0	3	0	High winds
			Strong winds blew the roof off of a house in Kiowa.						
CONNECTICUT									
									NONE REPORTED
DELAWARE									
Sussex County	20	Mr 5:00 p			0	0	0	0	Rain, Lightning
			Heavy rain and lightning caused local street flooding and some power outages in the Laurel and delmar sections of the county.						
Statewide	23	Night			0	0	4	0	Lighting
			Two-hour electrical storm caused interruptions in power and telephone service over scattered locations. Several, mostly minor, fires were ignited by lightning strikes. One barn near Kenton, Kent County, was extensively damaged by lightning-caused fire.						
FLORIDA									
Monroe County	1	1:00PM EDT			0	0	0	0	Funnel cloud
			A funnel cloud was observed 4 miles east of Key West International Airport.						
Monroe County	3	11:10AM EDT			0	0	0	0	Waterspout
			A waterspout was reported 12 miles southwest of Key West drifting to the west.						
Flagler County	3	5:00PM EDT			0	0	3	0	Tornado
			A small tornado touched down along Florida's east coastal highway near Marineland. Minor damage occurred, mainly to trees and power lines.						
Dade County	4	7:29AM EDT			0	0	0	0	Waterspout
			For a brief period, a waterspout was observed east of Elliott Key.						
Pinellas County	4	12:28PM EDT			0	3	0	0	Lightning
			Three golfers were injured at the Balmoor Country Club when lightning struck a tree they were standing under during a thunderstorm. Two of the golfers were hospitalized. A third was treated and released.						
Pinellas County	4	1:45PM EDT			0	3	0	0	Lightning
			Lightning injured 3 members of a family sitting at a picnic table under a large tree in Phillippe Park in Safety Harbor. The father was seriously injured and required hospitalization. His wife and son were treated at a hospital and released. Two children also sitting at the picnic table were unharmed.						
Suwannee County	4	7:00PM EDT	1/10	30	0	0	4	0	Tornado
			A small tornado touched down briefly on a farm 10 miles south of Live Oak, damaged two large chicken houses, and killed 50 chickens.						
Suwannee County	5	3:10PM EDT	1/10	30	0	0	4	0	Tornado
			A large equipment storage shed was destroyed by a small tornado that dipped briefly from a large thunderstorm onto a farm 10 miles west of Live Oak. Minor tree damage also occurred.						
Ocala, Marion County	5	5:00PM EDT			0	1	5	0	Wind, lightning
			A severe thunderstorm moved through Ocala with high winds and heavy rain. Numerous trees, utility lines and signs were downed, and several houses, commercial buildings and automobiles were damaged. A woman received minor burns from lightning that struck her house, went through the electrical system and blew out a wall plug. Winds of 50 MPH were observed at the Ocala airport.						
Monroe County	6	NOON EDT			0	0	0	0	Waterspout
			A waterspout was observed 3 miles west of Key West moving to the west at 10 MPH.						
Hillsborough County	7	8:30PM EDT			0	0	?	?	Hail
			One and a half inch hail was reported in Riverview as heavy thunderstorms moved through the Tampa Bay area.						
Brevard County	8	11:15AM EDT			0	0	0	0	Funnel cloud
			A funnel cloud was spotted over the south part of the Kennedy Space Center. It remained aloft.						
Brevard County	8	2:00PM EDT			0	3	0	0	Lightning
			Lightning struck 3 Brevard teenagers who sought shelter from an afternoon thunderstorm under a mulberry tree. A 14 year old girl was seriously injured and hospitalized for several days. Two 16 year old boys were treated for minor injuries.						
Cocoa Beach, Brevard County	9	9:05PM EDT	1/2	50	0	6	6	0	Tornado
			A tornado moved along 6 blocks of Cocoa Beach's hotel strip, severely damaging 4 motels, part of an office complex, a fast food restaurant, a bank, a pharmacy and a supermarket. Numerous motor vehicles were damaged as the tornado moved northward along Highway A1A. Local officials estimated total damage in excess of 3 million dollars. Injuries to 6 people were classed as minor.						
Dade County	10	8:30AM EDT			0	0	0	0	Waterspouts
			The Florida marine patrol reported two waterspouts 1 mile offshore from the south end of Miami Beach.						

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FLORIDA (continued)									
Niceville, Okaloosa County	11	8:50AM CDT	1/10	30	0	0	4	0	Tornado
									Minor damage occurred in the business district of Niceville as a tornado formed on the outer fringes of Hurricane Bob. Additional damage occurred to trees and power lines in the area.
Marion County	11	4:20PM EDT	1/10	30	0	0	4	0	Tornado
									Touching down briefly in Weirsaddle, a small tornado partly unroofed two buildings, downed numerous trees and power lines, and damaged one home in Orange Blossom Gardens.
St. Johns County	11	6:00PM EDT	1/10	30	0	0	4	0	Tornado
									A small tornado touched down 4 miles south of Hastings on State Road 13, destroyed a storage building, damaged a farm house and shed, and downed power lines.
Titusville, Brevard County	12	4:00PM EDT			0	0	0	0	Funnel cloud.
									A funnel cloud moving from the southwest was spotted from Dunn Airport. It remained aloft.
Dade County	13	11:00AM EDT			0	0	0	0	Waterspout
									National Weather Service personnel observed a waterspout over south Biscayne Bay. It dissipated over the water.
Dade County	13	11:50AM EDT			0	0	0	0	Funnel clouds
									Several small funnel clouds were observed over Dade County during the late morning and afternoon. No damage occurred.
Palm Beach County	13	3:10PM EDT			0	0	0	0	Funnel cloud
									A funnel cloud was observed for a brief period 1 1/2 miles west of Palm Beach.
Monroe County	14	1:50PM EDT			0	0	0	0	Waterspout
									Two waterspouts developed 7 miles west of Key West and moved slowly westward.
Monroe County	15	1:15PM EDT			0	0	0	0	Waterspout
									A large waterspout formed 5 miles north of Key West. It moved westward and dissipated.
Apalachicola, Franklin County	15	4:47PM EDT			0	0	0	0	Wind
									Wind gusts to 65 mph occurred at the Apalachicola Airport during a heavy thunderstorm. No significant damage was reported.
Dade County	16	8:05AM EDT			0	0	0	0	Funnel clouds
									The Florida Marine Patrol reported 2 funnel clouds over South Biscayne Bay.
Marion County	17	2:00PM EDT			0	0	0	0	Funnel cloud
									A funnel cloud was reported 20 miles northeast of Ocala. No damage was reported.
Alachua County	17	7:00PM EDT			0	0	0	0	Funnel cloud
									A funnel cloud was observed briefly 1 mile south of High Springs.
St. Johns County	18	1:30PM EDT			0	0	0	0	Funnel cloud
									A funnel cloud was sighted just west of South Ponte Vedra Beach moving toward the northeast at 40 MPH.
St. Johns County	18	8:00PM EDT			0	0	0	0	Funnel cloud
									A funnel cloud was reported offshore of Ponte Vedra moving slowly northeast.
Okaloosa County	23	NOON CDT			0	0	0	0	Waterspout
									Okaloosa County Civil Defense officials reported 4 waterspouts over the Gulf of Mexico near Destin. One apparently made landfall on Holiday Isle but dissipated without causing any damage.
Walton County	24	1:30PM CDT	2/10	30	0	0	4	0	Tornado
									A tornado damaged two large poultry houses and destroyed 5000 chickens on a farm a few miles south of Liberty. A service station and several sheds also were damaged.
Monroe County	31	8:20AM EDT			0	0	0	0	Waterspout
									A waterspout was observed 4 miles southeast of Key West drifting towards the west.
GEORGIA									
									SEE END OF TABLE
HAWAII									
									NO REPORT RECEIVED
IDAHO									
Bonner, Kootenai and Shoshone Counties	5	Evening			0	0	5	0	Wind and Lightning
									Thunderstorms, with lightning and high winds, caused extensive, scattered damage throughout the area. Many power lines were downed by falling trees, and numerous transformers burned out. Lightning destroyed two homes in Bonner County and started several minor forest fires.
New Meadows, Valley County	6	Evening			0	0	4	0	Lightning
									Lightning set fire to a new house which burned to the ground.
Salmon, Lemhi County	6	Evening			0	0	3	0	Wind
									Strong winds uprooted trees causing power outages. The Salmon Airport reported gusts to 65 m.p.h.
Idaho Falls area, Bonneville County	6	Evening			0	0	3	0	Wind
									More than 170 feet of the roof of a potato cellar was blown 25 feet away by a strong wind gust.
Oneida County	18	3:55 p			0	0	3	0	Wind
									High winds damaged buildings and uprooted trees on a ranch southwest of Malad. Smaller amounts of damage were reported elsewhere in the County. Winds gusted to 63 m.p.h. at Malad.
Madison, Power, and Oneida Counties	22	Afternoon			0	0	4	3	Heavy rain
									A hospital roof at Rexburg leaked causing ceiling tile to fall and other miscellaneous damage. Numerous basements were flooded in the Rexburg area and in the Lyman-Atcher area in the south portion of Madison County causing damage to stored items. A roadway on the Rexburg Bench was washed into a trench four feet deep. In the Rockland area, Power County, a gravel road was washed out and sections of a highway damaged when a wall of water five feet high and 100 yards wide swept across the area. Also, three buildings had minor damage and about 25 basements and one store were flooded. In the Cherry Creek and Sarnia areas south of Malad, Oneida County, fields were flooded and the basements of a few homes filled. Mostly light crop damage was reported in all three Counties, but dryland farming benefited from the rainfall.
Dietrich area, Lincoln County	22	8:00 p			0	0	3	2	Wind
									Strong winds during a thunderstorm blew down or broke off large trees on three farms southeast of Dietrich and ripped out telephone lines and power poles. Corn was blown flat onto the ground.
ILLINOIS									
Henry County	3	About 9:50pm			0	0	5	?	Windstorm
									Winds as high as an estimated 80 knots in gusts hit Henry County, knocking down numerous trees and causing extensive damage to buildings. Some of the towns hardest hit were Alpha, Andover, Galva and Lynn Center.
Eastern Livingston County and Northern Ford County	14	Early Morning			0	0	5	?	Windstorm
									Heavy rains and winds clocked as high as 61 knots were featured by a thunderstorm that hit the Saunemin and Chatsworth areas. The path of damage was a swath 6 miles long and 4 miles wide. In rural Saunemin, the high winds collapsed a barn on a farm, killing 2 heifers. The roof of the Dixon Trucking Service garage in Saunemin was blown off onto the Saunemin township storage shed, damaging the second building seriously. Trees and power lines were downed at another farm 4 miles north northwest of Chatsworth. Another farm in rural Chatsworth lost a barn and farm equipment which had been stored inside the building was damaged. At the same farm, the high winds moved a corn crib 3 to 4 feet off its foundation. Crop damage totals were not available, but appeared to be the most extensive east of Saunemin.
Woodworth, Iroquois County	14	About 6:40pm	5	30 to 50 yards	0	0	5	4	Tornado
									A small tornado touched down at a point about 7 miles south and 1 mile west of Watahsa. Damage was estimated at \$50,000 to property and \$8,000 to crops.
Livingston, Madison County	29	About 1:15pm			0	9	0	0	Lightning
									Nine persons were injured in Livingston. They were attending a family reunion at the Livingston City Park. They were walking near a tree, when a bolt of lightning struck the tree, knocking all 9 persons off their feet.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1979

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE				CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS	KILLED	INJURED	PROPERTY	CROPS		
ILLINOIS (continued)														
Rock Island County and Mercer County	30	5:31am			0	0	4	?						Windstorm
Strong winds snarled power and telephone lines, downed trees, scrambled traffic signals, tore at roofs, broke plate glass windows and trampled corn fields. Peak winds of 53 knots were observed at Quad City Airport in Moline.														
Southeastern Urbana, Champaign County	30	About 7pm			0	0	0	?						Hailstorm
Hailstones 1 inch in diameter were observed during a thunderstorm. Crop damage was unknown, but soybean losses in Champaign County may have been extensive.														
Champaign and Urbana, Champaign County	30	Afternoon and Evening			0	0	5	?						Flash Flooding
A total of between 3 and 5 inches of rain hit the Champaign-Urbana area between about 4:15pm and 8:30pm, as a series of thunderstorms moved through Champaign County. Resultant flash flooding caused an estimated \$250,000 damage at the Colwell Publishing Company on Kenyon Road in Champaign.														
Decatur, Macon County	31	11:02am			0	0	?	0						Windstorm
Gusts as high as 52 knots hit Decatur during a thunderstorm. The storm knocked out electrical power, flooded streets and subways and featured numerous lightning strikes.														
INDIANA														
NE of Linden Montgomery Co	4	2 AM			0	0	5	0						Wind
Strong winds toppled a leg of a grain elevator causing the elevator to collapse. The elevator was rendered inoperable. Damage was estimated at \$50,000.														
Throntown Boone County	4	2:15 AM			0	0	4	0						Lightning
A barn near Throntown was destroyed by fire after taking a direct hit by a bolt of lightning. The loss was estimated at \$40,000, including contents.														
Goodland Newton County	8	5:30 PM 7:30 PM			0	0	?	?						Heavy Rain
Heavy rains, unofficially estimated at over 7 inches fell in less than 2 hours. The runoff of the rains washed away 3 bridges. As much as 4 feet of water flooded some basements. No injuries. Damage estimate unknown.														
Morgan County	13	9:50 AM			0	0	4	?						Flash Flood
Structural damage on Bryant Creek Dam at 500S and 600W in southwest Morgan County. State Road 39 South of Mondavia was under water. Downed power lines disrupted power to downtown Martinsville.														
Half a dozen boats went over spillway and about nine additional boats were sunk in a lake.														
Flash flooding on Butler and Goss Creeks at Whitaker produced the biggest flood in 60 years, according to a long-time resident.														
Owen County	13	8:00 AM 10:00 AM			0	0	3	?						Flash Flood
Seventy feet section of the Amazon Lake Dam breached to a depth of three feet. Local roads and some trees washed out west and north of Spencer. State Roads 43 and 48 west of Whitehall under water.														
Vigo County	13	6:05 PM			0	0	0	0						Funnel Cloud
An unconfirmed funnel cloud was observed at Junction of Hwy 41 and I-70 at Terre Haute.														
Henry and Randolph Cos.	13	4:30 PM 7:00 PM			0	0	?	0						Flash Flood
Water was over State Roads 35 & 36, SR 32 west and east of Winchester, and SR 1 near Georgetown in Randolph Co. Also a couple of houses were surrounded by water. Water was standing on many roads in Henry County.														
INDIANA (continued)														
Monroe and Brown Cos.	13	11:00AM Noon				1	0	?						Flash Flood
State Road 46 west of Bloomington and State Road 135 north of Nashville were flooded. The small town of Nashville was almost isolated. Power line poles were washed away.														
In Monroe County an 11 year old boy was crushed to death in a tent at a Boy Scout Camp by a 50 foot oak tree when heavy rain loosened the tree roots.														
In Brown County, Bean Blossom Creek flooded, forcing evacuation of 30 homes in the Treylar area. Some people removed by boats. Also an earthen dam holding 8 acres of water broke.														
Johnson County	13	Noon			0	0	?	?						Flash Flood
Water was over roads with bridges under water. A large tree fell in Greenwood near US 31 due to wet ground. Some power outages occurred. State Road 252 east of Edinburg was closed due to high water.														
Sullivan and Vigo Counties	13	6:20PM			0	0	0	0						High winds
Winds estimated at 65 MPH reported near the Sullivan/Vigo County line.														
Delaware County	13	3:00 PM			0	0	?	0						Flash Flood
Flooding reported in Muncie.														
Hendricks Co.	13	Morning			0	0	?	?						Flash Flood
U. S. 36 east of Danville, U. S. 40 at Stilesville flooded and State Road 267 between Avon and Plainfield was flooded.														
Marion County	13	9:00 AM 3:00 PM				1	1	?	?					Flash Flood
Numerous streets and basements were flooded. 600 residents lost power when a tree fell on power lines. A ten year old riding on an inner tube in a drainage ditch drowned. A 3 year old child was swept into a storm drain, but was rescued.														
Posey County	13	Evening			0	0	2	?						High Winds
Downed trees.														
Warrick County	13	8:32PM			0	0	0	0						Funnel Cloud
An unconfirmed funnel cloud was sighted north of Bonville.														
Posey County	13	8:45PM			0	0	0	0						Funnel Cloud
A funnel cloud was sighted 3 miles south west of Mount Vernon.														
East of Cicero in Hamilton Co.	24	6:08PM			?	?	0	0	0	?				Tornado
Two citizens reported a brief touchdown of a tornado in a cornfield near Victory Chapel Road and County Road 216 in north east Hamilton Co. Report confirmed by Sheriff. Storm moved east-northeast. Funnel retreated into cloud. Would be classified as a mini-tornado.														
SW Marion Co.	24	2:15PM			0	3	0	0						Lightning
Lightning struck 3 golfers. One golfer was knocked unconscious and was revived by a police officer. Officer was credited with saving victims life because of fast action. Other 2 victims were not seriously injured.														
Richmond and Wayne Counties	24	5:00 PM			0	0	5	0						Wind
A felled tree damaged seven new cars. Three cars were totally damaged. Damages were estimated at \$23,000. Wind ripped off a portion of the roof at Howard Johnsons lodge. Five guest rooms and contents were damaged. Damage estimate unknown.														

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JULY 1979

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
INDIANA (continued)									
Tipton Tipton County	25	2:12PM	5	Narrow	0	0	4	0	Tornado
<p>A small tornado touched down about 1/2 mile west of the US 33 and Indiana Rt. 28 intersection. At 2:12PM, it destroyed a barn scattering pieces of lumber 200 ft. The tornado moved fast northeast and did minor damage to a gas station, blowing out 2 windows and some roof damage. The funnel cloud headed toward Tipton. There was minor damage in Tipton, with some small limbs down and some windows broken. The storm weakened over Tipton. No injuries were reported.</p>									
Jasper, Dubois, Crawford, Orange, Peary, Spencer	26	Early			0	0	7	7	Flash Flood
<p>Heavy rain with totals up to 10 inches fell in southern Indiana. The peak flooding occurred between 8AM and 10AM. The band of heaviest rain was about 25 miles wide, centered on a line from Princeton to Salem.</p> <p>The hardest hit cities were English, Marengo and Milltown. The town of English suffered the greatest property damage, estimated at \$4 million to the downtown district. The Crawford Co. Sheriff estimated 66 homes, 13 mobile homes, 2 churches and 26 businesses were damaged extensively in English. In English the swift flowing water toppled parked cars and swept house trailers off their foundations. Floodwaters were 6 feet deep in many areas, and 10 feet deep elsewhere.</p> <p>The Red Cross estimated that as many as 200 homes in Marengo, 200 in Milltown, and 300 in English were under water. Some houses had only their roofs visible. The Business District of Marengo was also devastated. As many as 1,000 people had to be evacuated. Water rose six feet in thirty minutes at the height of the flood.</p> <p>In Milltown the water from the Big Blue River rose four feet in one hour. Only minor property damage occurred in Milltown, which is downstream on The Blue River.</p> <p>Many other small towns in Southern Indiana experienced flood problems. Among the towns effected were; Huntington, Jasper, Dubois, Paoli, Bullard, Ryana, and French Kick. Rainfalls in the general range of 4-7 inches occurred. Many counties were declared disaster areas by the President. There were no deaths or injuries. Considerable crop damage resulted.</p>									
Princeton Knox County	26	Evening			0	0	?	?	Flash Flood
<p>Heavy rains totaling over 4 inches in 6 hours soaked the saturated soil of Princeton. A ten block area of south Princeton was evacuated as a wall of water 6 feet high hit one neighborhood. No injuries. Property damage unknown.</p>									
Western Indianapolis Marion County	26	8:00 PM	Brief	Narrow	0	0	3	0	Tornado
<p>A mini-tornado briefly touched down in the Glen Trailer Court near the Indianapolis community of Clepont. Minor damage to some carpents were reported. An unconfirmed funnel cloud was sighted in a field near Speedway a short time later.</p>									
Huntingburg DuBois County	26	9 PM			0	0	5	0	Lightning
<p>Lightning struck the First Baptist Church in Huntingburg around 9 PM. The resultant fire caused an estimated \$100,000 damage.</p> <p>Lightning also struck an antenna of a residence in Huntingburg on US 231 South. The shock of the blast blew the TV into the middle of the living room, blew out the windows and knocked down a wall in the basement. There was no fire and no injuries. Damage estimated near \$3,000.</p>									
INDIANA (continued)									
Sullivan County	27	3:00 AM - 10:00 AM			0	0	5	?	Heavy Rains
<p>Over 4 inches of rain beluged Sullivan County in the early morning hours. Heavy rains sunk several boats on Lake Sullivan. Some rural roads were under water with portions washed out. Several homes were damaged by water in low-lying areas of Shelburn. There were no injuries.</p> <p>At 8:30 AM the Sullivan County Sheriff reported Bubberoh Creek 2 miles east of Sullivan was out of its banks and rising. State Road 54 flpoded and washed out west of Sullivan. State Road 154 west of Sullivan and SR 48 between Shelburn and Fairbanks closed due to high water.</p>									
NE Monroe County	27	1:10 PM			0	0	0	0	Funnel Cloud
<p>Funnel cloud 4 miles north of SR 46 near Brown County line.</p>									
Vermillion Co.	28	9 AM - 2 PM			0	0	?	?	Flash Flood
<p>Heavy rains of over 5 inches fell on already saturated soil causing rapid rises of streams and creeks in Clinton. 50 families were evacuated as Feather Creek rose out of its banks. Property damage was mainly confined to basements. Many roads were under water. There were no injuries.</p>									
Vigo, Parke, Putman, Clay Cos.	28	9 AM - 2 PM			0	0	?	?	Flash Flood
<p>Heavy rains of over 4 inches caused rises in streams and creeks. Some basements were flooded. Many roads were closed by high water. Considerable agricultural area was under high water. No injuries. The Bel River and the Big Walnut Creek were out of their banks.</p>									
Boone County	28	Noon - 8 PM			0	0	?	?	Flash Flood
<p>Heavy rains caused a rapid rise in Eagle Creek. The creek was out of its banks and flooded farmland and parks in southern Boone County. No injuries.</p>									
Muncie Delaware Co.	30	5:07 PM			0	0	?	?	Hail
<p>One inch diameter hail on the southwest side of Muncie.</p>									
IOWA									
NO REPORT RECEIVED									
KANSAS									
Hamilton County	1	3 p					0	5	Hail
<p>Thunderstorms moving east-southeast through the county produced gusty winds and hail with some hail up to 2 inches in diameter causing crop damage in the east portion of the county.</p>									
Wallace County	1	7 p					0	5	Hail, wind
<p>Hail and strong winds moving east through the county caused damage to about 2,600 acres of wheat and completely destroyed 1,300 acres.</p>									
Harper County	1	7:30 p					5	3	Wind
<p>Heavy thunderstorms moving east across south central Kansas produced some hail, locally over 4 inches of rain, and strong gusty winds. Greatest wind damage was near Anthony where farm buildings, a hanger, and an airplane were all destroyed.</p>									
Cheyenne County	3	3:10 p					6	5	Hail, heavy rain
<p>Heavy thunderstorms moving north were accompanied by hail locally up to 2 inches in diameter, high winds, and very heavy rains of 2 to 3 inches in less than an hour. Runoff from rain caused erosion of farmland and washed out some country roads.</p>									
Logan County	3	4:30 p	2	35	0	0	4	0	Tornado
<p>A funnel cloud dipped down briefly at the south edge of Oakley and again in north portion of town. Damage was to Kansas Department of Transportation building, metal storage buildings, trees, and the city cemetery.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
KANSAS (continued) Dickinson, Lincoln, and Saline Counties	4	5 - 10:00 p					6	?	Wind
									A fast moving cold front triggered strong thunderstorms which moved east through these counties. Near 6pm strong winds damaged houses and farm buildings southeast of Barnard. At 7pm winds over 70 mph caused damages in excess of half a million dollars in and near Salina. About an hour later considerable property damage was caused by high wind and heavy rain around Abilene.
Stafford County	4	8:00 p	1/2	20	0	0	5	0	Tornado
									Tornado moving east-southeast touched down briefly 7 miles south and 12 miles west of Macksville causing damage to farm buildings.
Stafford County	4	8:30 p							Funnel cloud
									A funnel cloud moving east was observed 5 miles northwest of St. John.
Chase, Sedgwick, and Cowley Counties	4	9:00 p					5	3	Wind
									Heavy thunderstorms moving southeast caused local wind damage in these counties with heavy damage to trees, utility lines, and windows reported. Heavy rain caused minor flash flooding in Chase county.
Franklin and Osage Counties	8	11:45 a					4	5	Wind, hail
									Thunderstorms moving south-southeast produced hail, strong winds, and heavy rain over a path 25 miles long and 4 miles wide in east Osage into Franklin Counties. Considerable damage was inflicted on standing crops and pasture. Minor property damage was to homes, mobile homes, and farm buildings.
Neosho and Crawford Counties	8	2:00 p					5	3	Wind
									Heavy thunderstorms moving southeast produced strong winds and heavy rain. Damage was to utility lines, homes, and mobile homes mostly caused by falling tree limbs and uprooted trees. Winds were unofficially over 60 mph in Crawford County and a travel trailer factory was damaged in Neosho County.
Wilson and Woodson Counties	9	12:20 a					5	0	Wind
									Strong thunderstorms moving south-southeast produced locally damaging winds especially around Yates Center and Buffalo. Damage was to residences, downed power lines, and uprooted trees.
Cowley County	10	4:00 p					4	0	Hail, lightning
									A rapidly developing thunderstorm produced hail to 2 inches in diameter and severe lightning at Winfield. The police and fire communications network was severely damaged by lightning.
Phillips County	13	6:30 p					5	4	Wind
									Heavy thunderstorms moving southeast caused strong damaging winds, heavy rain, and some hail. Damage was greatest around Logan with houses mobile homes, trees, and utility lines damaged. Minor damage to lowland crops was caused by wind and rain.
Graham County	14	5:50 p					5	6	Hail, wind
									Thunderstorms moving southeast through the east portion of the county produced strong winds and hail causing considerable crop damage. Property damage was to homes, mobile homes, farm buildings, trees, and utility lines. Heavy rain caused minor flash flooding.
Stafford County	15	4:50 p	**170	20	0	0	4	0	Tornado
									A funnel cloud moving southeast touched down briefly 9 miles northwest of St. John causing damage to farm buildings.
Morton County	15	5:30 p							Funnel cloud
									A funnel cloud was observed between Holla and Peferita, in western Stevens County.
Graham and Norton Counties	24	7:30 p					5	6	Hail, wind, heavy rain
									Thunderstorms moving southeast accompanied by large hail, high winds, and heavy rains caused extensive damage to crops and farm buildings. Most damage occurred in Graham County and a small area in southern Morton County.
Chase County	24	9:45 p			0	1	5	0	Wind
									Heavy thunderstorms moved southeast through the county with strong winds estimated at 75 to 100 mph. Large trees were uprooted. Power lines were damaged by falling trees and tree limbs. Home owners reported considerable roof and window damage. One occupant was injured when a tree limb fell on a mobile home.

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	
KANSAS (continued) Atchison, Leavenworth, and Johnson Counties	28	5 to 8:30 p					6	3	Wind
									A series of strong thunderstorms moving southeast produced damaging winds to over 63 mph, hail, and heavy rain. Damage was to buildings, homes, mobile homes, trees, and utility lines. Large trees were uprooted in scattered areas. At Johnson County Airport, 20 aircraft and several hangers were damaged. Heavy rain resulted in local flooding but caused only minor damage.
									<u>SPECIAL HAIL SUMMARY</u>
									Hail loss clearing house reports indicate hail was especially severe on the following dates, and in the following counties:
									1 Harper, Sumner, Wallace
									3 Cheyenne, Rawlins, Russell
									4 Cloud, Dickinson, Finney, Morris, Rooks
									8 Brown, Coffey, Kiowa, Osage
									10 Morris
									14 Norton
									15 Edwards, Haskell, Pawnee
									22 Wichita
									24 Edwards, Kiowa, Norton
									28 Jefferson
									30 Wallace
KENTUCKY PIKE COUNTY	15	4AM EDT				3	7	4	Flash Flood
									A heavy thunderstorm dropped as much as 7 inches of rain in just 3 hours over the SE in portions of Pike County. Two people in a car were killed when it was washed off the road. A young boy was killed when he was swept away while being evacuated from his home. Damage was estimated at \$7 million! Forty businesses and 250 homes were damaged or destroyed. The damage was concentrated on Peter Creek and Knox Creek. The towns affected were Jambor, Paw Paw, Phelps, and Majestic.
Scott County	12	4:30PM EDT	1/4	50	0	0	5	3	Tornado
									A tornado touched down on Lemon Hill Road near Georgetown and heavily damaged two farms. Two farm houses lost their roofs and some barns and sheds were destroyed.
LOUISIANA Jefferson, Orleans Parishes	1	Late After noon	?	?	0	0	3	0	Windstorm
									Thunderstorms moving through the New Orleans area produced winds which downed several trees on power lines knocking power out to between 5000 and 7000 electrical customers for up an hour and a half.
East Carroll Parish	6	Afternoon	?	?	0	0	4	?	Wind and Hail Storm
									Thunderstorms moving through the Lake Providence area produced winds which did minor roof damage, downed pecan trees, smashed plate glass windows, damaged two airplanes at local airport, knocked one tree over on pickup truck damaging it heavily and also produced some hail which damaged crops north of Lake Providence.
Desoto Parish	8	3:15 PM	0	0	0	0	4	0	Lightning
									Lightning struck a church building in Mansfield causing moderate roof and steeple damage.
Rapides Parish	9	3:30 PM	0	0	0	0	4	0	Lightning
									A lightning strike set fire to a trailer home completely destroying it in Glenmora.
Caddo Parish	9	Night	0	0	0	0	?	0	Heavy Rain
									Heavy thunderstorms with heavy rain produced flooding of two homes in an urban area of Shreveport. No evacuations necessary.
Terrebonne, LaFourche Jefferson, Plaquemines St. Bernard, Orleans, St. Charles, St. John St. James, Ascension Livingston, Helena, Tangipahoa, Washington St. Tammany	10-11	Night and day	N/A	N/A	1	1	6	?	Hurricane
									Hurricane Bob formed in the southwest Gulf on the 9th and 10th and moved north northeast making landfall in southeast Louisiana just east of Cocodrie, continued north northeastward across extreme western Lake Pontchartrain and Franklinton and moved on into Mississippi. Bob was a minimal hurricane at most and quickly lost strength as it moved inland. One man in Lafayette (Jefferson Parish) was killed as he was attempting to nail down a roof. High winds blew him and another man off the roof killing one and injuring the other. No other deaths or injuries were reported. Damage was minimal and consisted mostly of trees blown down, knocking down power lines and also damaging some vehicles and homes. In New Orleans a brick wall of a partially demolished building fell over crushing a car. A portion of a levee at Grand Isle was washed away and some minor coastal flooding took place but with no serious consequences. No tornadoes were confirmed but one was reported in Slidell but turned out to be wind damage. No final dollar estimate of damage has been received.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1979

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
LOUISIANA (continued)									
Ouachita Parish	15	3:25 PM	0	0	0	0	4	0	Lightning
									Lightning struck and damaged two side-by-side homes in West Monroe.
Beauregard and Calcasieu Parishes	16	Afternoon	?	?	0	1	?	0	Windstorm
									Thunderstorms moving through southwest Louisiana slightly injured one man in Moss Lake and caused minor roof and outbuilding damage in Shady Grove and in Carlys. Some boats at Moss Lake were overturned, sunk or blown away.
Acadia Parish	18	Afternoon	?	?	0	0	4	0	Windstorm
									Winds from a thunderstorm did minor damage to a barn and surrounding outbuildings south of Crowley.
Vermillion Parish	19	Evening	0	0	1	0	?	?	Lightning
									A 28 year old man was struck and killed by lightning near Esther as he tried to cover a combine machine from bad weather. His body and clothes were badly burned.
Sabine Parish	23	3:00 PM	?	?	0	0	4	0	Windstorm
									Thunderstorm winds blew a patio cover off one residence and downed a few trees near Mary.
Jefferson, LaFourche-Terrebonne, St. Mary, Iberia, Vermillion, and Cameron Parishes	24	Daytime	N/A	N/A	0	0	5	0	Tropical Storm
									Tropical Storm Claudette after an erratic course across the Gulf moved ashore in Cameron Parish west of Cameron the afternoon of the 24th. Claudette was a weak storm but did some damage mainly in the coastal parishes. Minor coastal tidal flooding took place in nearly every coastal parish from Jefferson westward but did no serious damage. Greatest damage was in Cameron Parish. Eight miles of LA. 82 was badly damaged or destroyed due to rapid washout from tidal action. Also about 14 miles of secondary roads were damaged. Seven homes or fishing camps were destroyed or heavily damaged by wind and waves in Johnson's Bayou. A mile long section of beach was eroded back 40 feet in Constance Beach. Several mobile homes were overturned in Oak Grove. Several boats sunk at their mooring along the beaches. Power lines and trees were down elsewhere. Dollar estimates of damage were \$300,000-600,000. About 100 people evacuated parts of Cameron Parish. Claudette moved on into Texas where she produced heavy rains and flooding.
NO REPORT RECEIVED									
MAINE									
MARYLAND & D.C.									
Eastern	1	Evening			0	0	3	4	Hail, Wind, Rain
									Line of heavy thunderstorms associated with an approaching cold front moved into the Washington, D.C. area about 4:45PM with winds gusting between 30 and 40 mph, capsizing some boats on the Potomac River and causing some 2,000 homes in Montgomery and Prince Georges Counties to be without power for a brief time. Storm moved into Annapolis around 5:10PM with tree damage reported along with some street flooding. Golfball-sized hail inflicted considerable damage to crops at Mardela Springs, Wilcomico County, doing the worst damage the County Agent had ever seen. The community of Bucktown, Dorchester County, was also hit particularly hard when storm moved through around 5:30PM and hail the size of marbles pelted the area for five minutes.
Wilcomico County	13	2:15 p			0	0	3	0	Wind, Rain
									Winds gusted up to 69 mph and more than two inches of rain was recorded at Wilcomico County Airport. Power outages occurred in Salisbury, along with some stranded autos due to flooded streets.
Harford County	13	3:15 p			0	0	3	0	Rain
									Thunderstorm activity caused power outages over the county, especially in the Edgewood area. Up to three inches of rain was reported in some sections, with roads flooded in the Bel Air and Harvre de Grace areas.
Baltimore	14	3:30 p- 3:30 p			0	2	4	0	Lightning, Rain
									Two youths received a charge of electricity when lightning struck 150 yards from the swimming pool they were at. One of the two collapsed, not breathing. A life guard and a police sergeant administered CPR to him and were undoubtedly responsible for saving his life. The other youth was hazed and semi-conscious. They were listed in critical condition for a time in the hospital, but were later discharged. In the Waverly section of the City, a school bus with 30 pre-teen-age children was caught in high water in a railway underpass. Water went almost up to the bus windows, however the children were carried to safety. Elsewhere, a substantial portion of Falls Road collapsed, and officials closed the road indefinitely.
Allegheny County	16	Mr 3:00 p			0	0	3	0	Lightning, Rain
									Lightning struck the steeple of a 79-year-old church in Mt. Savage. Only a small portion of the church ceiling was damaged. However, there was extensive water and smoke damage to the interior. Minor flooding was also reported in La Vale.
Hagerstown	23	3:45 p			0	0	2	0	Rain
									Several roads were impassable for a short time after nearly two-and-a-half inches of rain fell in the area.
MARYLAND & D.C. (continued)									
Central	23	6:30 p- 9:00 p			0	1	3	0	Lightning
									A state trooper received minor injuries when lightning struck a utility pole. A surge of current had traveled to the control box where he was resetting a traffic signal in Pasadena, Anne Arundel County. He was treated and released from the local hospital. Elsewhere some 27,000 homes were without electricity in Baltimore and Harford Counties.
Williamsport, Washington County	25	Afternoon			0	0	3	0	Lightning
									Lightning struck wires near an electric panel, igniting a fire at a tannery. Damages were estimated between \$4,000 and \$5,000.
Southern	29	3:15 p- 5:30 p			1	0	4	0	Lightning, Rain
									Man struck by lightning and instantly killed while heading his 18-foot fiberglass boat toward shore during a thunderstorm. The accident occurred near Marshall Hall, on the Potomac River. The man was standing, navigating the boat, while three others on board were seated. CPR was administered, but of no avail. Nearby, at La Plata, a home was partially destroyed by fire when a surge of electricity caused by lightning striking utility wires set fire to a TV set. Elsewhere, minor flooding was reported in Prince Frederick, Calvert County, and a lightning-caused fire resulted in minor damage to the attic of a cottage at Calvert Beach.
MASSACHUSETTS									
Hopedale	1	1-5AM			0	0	3	0	Lightning
Wareham									Lightning struck power lines at each city. Power substations were damaged.
Princeton	16	Aftn.			0	2	4	0	Lightning, heavy rain
Shrewsbury									In Tolland lightning struck a girl scout camp. Two girls were slightly burned and 19 others were jolted and knocked to the ground. A garage fire was ignited in Worcester, and a vacation retreat was ignited in Princeton. In Worcester and Shrewsbury nearly 10 streets were washed out, and over 100 cellars were flooded by thunderstorm downpours.
Tolland	24	Aftn.			0	0	3	0	Lightning
Worcester									About five houses were struck and suffered damages from holed roofs to exploding televisions. Power lines were broken.
Clinton	27	All Day			0	0	4	0	Lightning
Framingham									A large barn was struck and burned along with 10 pigs, a dog, cat and chickens. Two houses sustained minor strikes in Waltham. In Framingham a garage was struck and burned causing damage to an automobile. In Westhampton several corn crops were flattened. Several houses were struck resulting in fires.
Hudson									
Lancaster									
Westboro									
Athol									
Dedham									
Florence									
Natick									
Waltham									
Westhampton									
Westwood									
MICHIGAN									
Downriver area of southern Wayne county	9	afternoon			0	0	5	0	Flash Flood
									500-1000 basements flooded in Allen Park, Melvindale, Taylor and Lincoln Park.
10 NW Escanaba, Delta county.	10	2:10 PM			0	0	0	0	Funnel Cloud
									Reported by the public.
Western Wayne county and Northeastern Washtenaw county.	11	Evening			0	0	6	0	Flash Flood
									4 bridges washed out in Washtenaw county in addition to 42 areas of road damage. Floods from rains damaged more than 10,000 homes and 200 businesses in Edmulus, Dearborn Heights, Allen Park, and Taylor. Hardest hit was Taylor with 8,300 homes damaged.
Kentwood, Kent county	20	10:30 PM			0	0	5	0	Lightning
									Lightning-caused fires gutted two apartment units and caused extensive water and smoke damage to 10 other units at Hunter's Ridge apartments.
2 W Beaverton, Gladwin county.	23	4:15 PM	1/8	Less than 20	0	0	4	0	Tornado
									Tornado touched the ground briefly and then disappeared. Pickup truck carried 100 feet across a road. Several trees knocked down. Camping trailer blown into a garage.
15 SW Grand Rapids, Kent county.	24	6:30 PM	1/8	10	0	0	4	0	Tornado
									Tornado whipped through the Creekside Estates trailer park (near Clyde Park and 52nd streets) in Wyoming, a suburb of Grand Rapids, where six mobile homes sustained minor damage and a nearby barber shop sustained ceiling and window damage. Maximum winds were estimated at 60 mph.
24 SW Grand Rapids, Allegan county.	24	5:36 PM	1/8	5	0	0	1	0	Tornado
									A weak tornado touchdown reported near Benhien. A couple hay wagons overturned and some corn crop damaged.
24 ENE Grand Rapids, Ionia county.	24	7:40 PM			0	0	0	0	Funnel Cloud
									Funnel cloud observed by public near Beldep.
Cheboygan, Cheboygan county.	25	Morning			0	0	5	0	Flash Flood
									Around 150 basements flooded. Damage to River Terrace Hotel and also to City Hall and Opera House.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1979

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MICHIGAN (continued)									
9 NE Jackson, Jackson county.	28	Evening	1/8	Less than 20	0	0	0	0	Tornado
Tornado touch-down, less than 1 minute, in a sparsely populated area knocking down a strip of trees.									
MINNESOTA									
Duluth St. Louis County	2-3	6:30PM	-	-	-	-	4	0	Flooding
Continuous thunderstorms progressed southeastward from adjacent Itaska County through the night, producing a narrow but heavy band of rain about 40 miles wide across the Twin Ports Area. Several inches of rain in a three hour period resulted in flooded basements, road washouts, and ponding areas. Some rivers and streams were at bankful, threatening residents in nearby homes. Official rainfall amounts included a 24-hour total of 3.11 inches at Duluth International Airport, and near six inches at Superior.									
1/2N Simpson Olmstead County	3	3:50PM	1/2	200	0	0	6	5	Tornado
Tornado was moving from the northwest to the southeast. Strong winds damaged crops in a two-square mile area. Considerable damage to four farms and to power poles. A high-voltage line blown down with power outage to 4,000 customers. Some poles broken off at ground level, while others broken off 15 feet in the air.									
Fillmore County	3	4:00PM	-	-	0	0	4	6	Hail
The Mountain-Wykeoff-Preston Area was hit by hail for the 6th time this year, this includes the northwest one-fourth of the county (6,000-7,000 acres). Hail size from marble to golf-balls, and wind gusts estimated near 60mph. Corn loss will range up to 20%, while small grain loss will be 20% to 100%.									
Murray County	3	4:00PM	2	*2	0	0	4	5	Hail
One to two inch rains along with hail - marble to golf-ball size and strong winds caused considerable damage to crops. Wind from the northwest to southeast produced lodging of small grain crops.									
NE Fosston Folk County	5	12:10PM	1	50	0	0	0	0	Tornado
A small tornado was observed by deputy sheriff movement from the southwest to the northeast in open country. Little if any damage reported.									
1 1/2W Bagley W Convik Clearwater County	5	12:32PM**100	5	0	0	1	2	2	Tornado
A mini-tornado was observed by several people in open country moving toward the east-northeast. Little damage, 960 acres was damaged by hail 3/8 to 1 inch in size. 25%-35% ground covered west of Convik. Damage to corn and beans.									
2W Sanborn Redwood County	11	4:00PM	1/2	*1/2	0	0	4	4	Hail
Hail up to one inch in size along with heavy rain caused 90% damage to crops in area 1/2 square mile.									
Red Wing Goodhue County	12	2:40PM	-	-	0	0	4	4	Wind & Hail
Hail the size of golf-balls and wind gusts to 60mph caused considerable damage in and around the City of Red Wing. Up to three inches of rain fell in one hour period with Red Wing receiving 1.66 inches.									
7S Sleepy Eye Brown County	12	3:00PM	3	*2	0	0	4	5	Hail
3/4 inch hail damaged crops in an area covering the ground to a depth of one inch. Some 2,000 acres of corn and soy beans had severe damage.									
Counties of Cottonwood & Lyon	20	5:45PM	-	-	0	0	4	5	Hail
Hail from one inch to as large as baseballs caused considerable crop damage. The Green Valley area in Cottonwood County had seven square miles damaged, while 18,000 acres received 40% to 100% damage in Lyon County. Hail continued for most of an hour.									
4E Windom Cottonwood County	21	9:44PM	-	-	0	0	4	5	Hail
4E Windom had a hailstorm that flattened crops in area. Hail was mostly marble to golf-ball size, but some to baseball size. Wind from 30 to 40mph and heavy rain accompanied hailstorm.									
Jasper-Hardwick Vicinity NW Rock County	21	10:00PM	6	*2	0	0	4	5	Hail
Hail up to hen egg size caused extensive damage to crops in northwest corner of Rock County, especially Springwater Township. Some corn and oat fields, as well as soybean fields, were near a total loss. Heavy rain and wind accompanied hailstorm, with as much as 4 1/2 inches of rain in the Springwater Area. Heavy erosion on some of the crop land, fences washed out, and other serious damage, resulted from the deluge of water due to the heavy rainfall.									

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					KILLED	INJURED	PROPERTY	CROPS	
MINNESOTA (continued)									
4W Lynd Lyon County	26	1:30PM	3	*1	0	0	4	4	Hail
An area in Socus Township had considerable damage from hail that averaged one inch in diameter. Hail occurred for ten minutes and covered the ground only briefly.									
Western Renville County	26	2:00PM	-	-	0	0	4	7	Hail
Extensive damage to crops in west Renville County from 2 to 3PM. Hail size ranged from pea size to larger than a golf-ball. Many acres of soybeans and sugar beets devastated with yield prospects slim. Some corn crops stripped and beaten down with moderate to severe damage. Some buildings and trailer home damage reported from the heavy hail.									
Nicollet-Brown Counties	26	3:00PM	-	-	0	0	5	4	Wind
Wind exceeding 60mph caused damage to trees, crops, and out-buildings in a two-county area. Some trees were uprooted, vehicles were blown into the ditch, and a double-wide trailer home under transport was severely damaged. There was minor damage to merchandise on outdoor display at New Ulm. Circus tent collapsed at New Ulm during same rain and wind storm. 80-year old barn eight miles south of Gibbon collapsed by strong north wind. Several other farm buildings suffered either partial or total damage. Crop damage was minor.									
Southern Redwood County	26	2:30PM	-	-	0	0	4	5	Hail
Hail to golf-ball size fell over southern section of the County. Heavy rain, and winds of 50mph or greater accompanied hailstorm. Some damage to storage building and fence in Sanborn area, and a few large trees destroyed.									
SWS Worthington Nobles County	29	9:30AM	**200	25	0	0	4	0	Tornado
A mini-tornado was on the ground for some 200 yards with an average width of 25 yards. Considerable tree damage along with small out-buildings. Storm track was toward the east.									
Near Chaska Carver County	3	3:47PM	-	-	-	-	-	-	Funnel Cloud
Near Hastings Dakota County	3	3:56PM	-	-	-	-	-	-	Funnel Cloud
3W Annandale Wright County	9	9:13PM	-	-	-	-	-	-	Funnel Cloud
Annandale Vicinity Wright County	9	9:15PM	-	-	-	-	-	-	Funnel Cloud
Near Morton Renville County	12	1:33PM	-	-	-	-	-	-	2 Funnel Clouds
6W Windom Cottonwood County	12	4:33PM	-	-	-	-	-	-	Funnel Cloud
2N Windom Cottonwood County	12	4:50PM	-	-	-	-	-	-	Funnel Cloud
Lake Benton Lincoln County	19	12:50PM	-	-	-	-	-	-	Funnel Cloud
4SE Brainerd Crow Wing County	23	7:10PM	-	-	-	-	-	-	Funnel Cloud
15W Marshall Lyon County	24	5:24PM	-	-	-	-	-	-	Funnel Cloud
Farmington Vicinity Dakota County	31	2:05PM	-	-	-	-	-	-	Funnel Cloud
MISSISSIPPI									
Forrest County	1	afternoon	-	-	0	0	5	0	Thunderstorm, lightning
A house and its contents were severely damaged in a fire which was set by lightning. The house was in the Macedonia Community near Petal.									
Rankin County	6	1:50 p	-	-	1	2	0	0	Thunderstorm, lightning
Three young boys were struck by lightning while playing under a tree near Pearl. All three were taken to a hospital where one of them was pronounced dead on arrival. The other two were treated and released.									
Walthall County	7	4:00 p	-	-	0	1	0	0	Thunderstorm, lightning
A young man was struck by lightning in the Lexio Community south of Tylertown. He was using a motorcycle to round up his cattle and was apparently struck in the chest by lightning and rendered unconscious. His wife found him on the ground and he was taken to a hospital. He was reported to be out of danger in a lot of pain.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1979

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					KILLED	INJURED	PROPERTY	CROPS	
MISSISSIPPI (continued)									
Statewide	11	noon to 12 3:00 a			0	0	6	4	Tropical storm "Bob"
	The center of this storm entered the state near McComb in the south, passed just east of McComb, Jackson and Oxford and then entered Tennessee. Near the coast, wind speeds reached 55 to 60 miles per hour and tides were as high as 8 feet. The rapid motion of the storm from the Gulf had allowed much time for development and rainfall amounts were not large, averaging only 2 1/2 to 3 1/2 inches in its eastern half. The coastal area had the most damage, although structural damage was minimal. Boats, piers, roads, parked cars and beach structures suffered the most. There were some power outages, some beach erosion and problems with sewage disposal. Coastal flooding was due more to high tides than to rain. The main crop damage in the state was to corn, which was badly battered by wind and rain.								
Simpson County	13	2:50 p			0	0	4	0	Thunderstorms, high winds
	Severe thunderstorms, producing high winds, caused damage to some farm buildings in the Pinola - Pio area in the central part of the county. Three chicken houses collapsed, one with five men in it. The men escaped injury by getting into a van which was also in the chicken house. Heavy, a shed and barn were damaged. A few trees were broken or blown over.								
Marshall County	14	afternoon			0	5	0	0	Thunderstorm, lightning
	Three men were loading grain in a field near Holly Springs when a lightning strike rendered them unconscious. Apparently, lightning struck a power line running to the chute they were loading from. They were taken to a county hospital and then to a hospital in Memphis, Tennessee. The wife of one of the men saw the incident through a window in their home. One man returned home later the same day. The other two remained in the hospital for further treatment.								
Hancock and Harrison counties	14	mid afternoon			0	0	0	0	Waterspout
	A waterspout formed over St. Louis Bay, which is located on the Gulf coast at a point where the common boundary of the two counties touches the coastline. The spout stayed over the Bay, while many persons lined the shores watching it during its lifetime of 20 or 30 minutes.								
MISSOURI									
Carthage, Jasper County	1	around 3 am	?	?	0	0	3	0	Lightning
	Lightning was the cause of a fire which damaged the roof, attic, and ceiling in the kitchen area of the E. L. Burnett residence.								
Blue Springs, Jackson County	5	around 1 am	?	?	0	0	5	0	Lightning
	A fire started by lightning caused an estimated \$100,000 in damage to a two-story wood frame rural home owned by O. B. Taylor. There was no water supply at the scene. The heaviest damage was to the second floor.								
Sedalia, Pettis County	5	3:30 am	?	?	0	0	3	0	Wind
	Mrs. Virginia Newmar, her son, and mother stuffed suitcases into her 1979 Ford Granada Wednesday and planned to get an early start Thursday morning for a trip to Wyoming. Instead, she spent the day getting estimates on how much it would cost to repair her car which was heavily damaged when a wind-blown tree fell on it. The uprooted tree also lifted up several sections of surrounding sidewalk. Electric power was interrupted to about 2000 residents in the southern part of the city when high winds blew a power line pole over to a 45 degree angle and caused a feeder mechanism to blow.								
Kansas City, Jackson County	8	morning	?	?	0	0	4	0	Lightning
	Lightning from a thunderstorm that passed through the Kansas City area caused an approximate total damage of \$8000 to five different houses. The storm also caused power outages in the area, with lightning knocking down wires and short-circuiting transformers and fuses.								
Atchison and Nodaway Counties	15	around 12:30 am	?	?	0	0	4	3	Severe Thunderstorm
	High winds in a thunderstorm caused considerable property damage, temporary loss of electrical and telephone service in some areas, and some minor crop loss. Several area residents reported TV antennas blown down or twisted and other minor property damage such as shingle damage. Most problems were caused by falling limbs damaging automobiles and power lines. There was limited crop loss due to hail damage. Northeast Missouri State University in Maryville reported extensive damage to some parts of the campus. High winds stripped between 1000 and 2000 square feet of roofing from the University's Olive DeLuca Fine Arts Center. As a result, parts of the stage of the Charles Johnson Theatre were soaked by rain. Two ventilators were torn from the roof of the Wells Library. About 120 books received severe water damage and an additional number received water and dirt spotting damage. Near the high-rise residence hall complex, windows of nearly two dozen cars were broken. A newly installed scoreboard at the Bearcat Baseball Field suffered damage as the wind bent the supporting girders.								

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					KILLED	INJURED	PROPERTY	CROPS	
MISSOURI (continued)									
Adair, Scotland, and Sullivan Counties	15	3-4 am	?	?	0	0	4	3	Severe Thunderstorm
	Winds estimated over 70 mph caused considerable damage over the three counties. Homes and cars were damaged by falling trees, and many small metal sheds were blown away or damaged. In Green City, Sullivan County, at the Saddle Club Arena, the south side of the bleachers were almost wiped out when a tree fell on them. On the Rom Lough farm, a new shed was destroyed, and at the Wayne McNabb farm, the roof was torn off a hay shed. In Kirksville, several businesses and the Kirksville Osteopathic Hospital had parts of roofing blown away. In Scotland County, lightning was responsible for at least two fires. A barn at the Wendell Gardner farm was destroyed by fire as well as five hogs and an undetermined amount of hay. In Memphis, at the Don Norton residence, two pickups and a 1971 Plymouth were all moderately damaged when two trees fell on them. In addition, the patio roof was lifted by the wind and the braces blown through a window of the home.								
Cape Girardeau, Cape Girardeau County	15	around 4 pm	?	?	0	0	4	0	Severe Thunderstorm
	Heavy rain and high winds downed trees and power lines in parts of Cape and caused structural damage to several buildings in the west part of the city. A tree caused about \$1000 damage when it fell on a car owned by Debbie Ann Witt on South Lorimer. Winds toppled the north wall of a building under construction on Route K, and roofing material was blown off an apartment building under construction on Hindwood Drive. At the 905 Liquor Store at William and Kingshighway, a window was broken and a sign damaged in front of the store. Six cars parked at the Lyndon Baptist Church were damaged when lightning struck a transformer nearby. The church steeple was also damaged when struck by lightning.								
Greene County	16	5 pm	?	?	0	0	4	0	Severe Thunderstorm
	A thunderstorm with damaging wind struck the southeast corner of the county. On the Ralph Lea farm west of Rogersville, Webster County, winds demolished a tool shed and left part of the wall of another building housing equipment. It also broke windows and scattered glass through the house. A barn was demolished at the John Smith farm, the roof torn off the Mylan Malins residence, and a mobile home was knocked off its foundation. Numerous trees and power lines were downed. TV station KTV, Springfield, was off the air for 40 minutes when the storm damaged a telephone company substation that links the station's remote control at its West Sunshine office with its transmitter near Fordland.								
Windsor, Henry County	18	3:25 pm	?	?	0	0	3	0	Wind
	High winds split a large oak tree almost in half, and one side of the tree fell on police officer Harold Dugger's patrol pickup breaking the windshield, denting the hood, and knocking out the spotlight. Several other trees and limbs were downed in the city. Two large windows near the ceiling were blown out at Rosemary's Gift Shop on South Main, the canopy at Marge's Cafe next door to Rosemary's was damaged, and at Merryfield's Pharmacy next to Marge's, a front plate-glass window was broken.								
Verona, Lawrence County	25	5:30 pm	?	?	0	0	4	0	Lightning
	A brief summer storm cost Verona and Davis Ast thousands of dollars when lightning killed nine of the twelve cows in the field. Ast said afterwards, "Nine were killed outright, one was dazed briefly, and another is still in pretty bad shape." All nine of the cows were due to calf within the next two weeks.								
Portions of Southern Missouri	27	pm	?	?	0	0	5	0	Flash Flood
	The remains of Tropical Storm Claudette moved northward from the Gulf of Mexico through southeast Missouri, causing heavy rains and flash flooding in its path. Two elderly women were trapped in their home east of Springfield by 3 1/2 feet of water deposited by a flooding James River and were rescued by the Greene County Civil Defense. In Farmington, many yards were washed away and basements were flooded. Storm water flowed into the city sewer system backing up drains, flooding basements, and blowing large manhole covers off. In Ste. Genevieve, at least one car was flushed into the North Gebouri Creek, a portion of sidewalk on Third St. was broken up or moved, and fence sections along the baseball field were pushed over. In Waynesville, the Covered Wagon RV Park received around \$5000 damage from Roubidoux flood waters. In Rolla, eight families in Beaver Manor were forced to evacuate their homes. The floodwaters in spots reached depths of 3-4 feet. Driveways were washed out leaving craters at the end of garages, cars were washed from driveways into fields, and sheds, fences, kennels, and butane tanks were all washed away. Numerous roads were closed in Greene, Taney, and Christian Counties. Several roads and low water bridges were washed out.								
Bates and Cass Counties	28	9:20 pm	?	?	0	0	4	0	Wind
	Winds estimated over 70 mph played havoc in southwest Cass County and northwest and north central Bates County. In Drexel, the roof of city hall was partially blown away, and a house received moderate wind damage. There was much damage reported to small sheds, shingles, patio roofs, fronts of trailers, etc. Several hundred trees were damaged or destroyed. Falling trees destroyed at least two vehicles and damaged many more. Several trees hit houses. In the Cleveland-West Line-Fremont area, the Midway High School lost part of its roof on its old gymnasium and several windows were broken.								
Clinton, Henry County	30	4 pm	?	?	0	0	3	0	Wind
	High winds uprooted trees, downed power lines, and broke plate-glass windows. At Wilder Butik on Second, a 10 x 12 plate-glass window was broken causing an estimated \$1000 damage to a new Monte Carlo. At Safari Motel both sides of an electric sign were blown out. At Full-Line Lumber on Ohio, the wind picked up pieces of siding in the yard and threw them about. A large pear tree on East Jefferson was partially felled, and big branches fell on part of the house and on a 1954 Chevrolet parked in the driveway.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS		
MONTANA										
Flathead County	5	evening	-	-	0	0	5	0	Strong Winds Lightning	
									Strong winds estimated 50 to 60 MPH downed power lines, trees, and triggered eight forest fires.	
Yellowstone County	6	2:40 PM	?	?	0	0	0	0	Tornadoes	
									Two tornadoes were reported near the community of Acton but no damage was reported.	
Hill County	8	Afternoon	-	-	0	0	5	0	Strong Winds	
									Strong winds destroyed a trailer house and heavily damaged three grain storage bins near Gilford.	
Fallon County	22	Evening	?	?	0	0	5	0	Tornado	
									A tornado touched down one mile east of Baker damaging 5 automobiles and blowing the roof off a barn.	
Dawson County	24	Morning	-	-	0	0	0	5	Hail	
									Marble sized hail heavily damaged hundreds of acres of wheat.	
NEBRASKA										
Buffalo County	1	Early Morning			0	0	3	0	Lightning	
									Lightning set fire to a home near Ravenna when natural gas released by the strike ignited.	
Deuel County	2	Early Morning			0	0	3	0	Lightning	
									A lightning bolt set fire to a grain storage bin in Big Springs.	
Brown County	3	5:00 PM			0	2	4	0	Damaging Winds	
									Winds in a thunderstorm blew a grain bin off its foundation in Long Pine. Two workers fell into the bin and suffered minor injuries.	
Dundy County	3	6:30 PM			0	0	0	3	Hail and Heavy Rains	
									Three quarter inch hail and rains up to 4 1/2 inches caused some damage to wheat around Benkelman.	
Phelps County	4	Early Morning			0	0	2	0	Lightning	
									A lightning bolt set fire to an utility shed on a farm near Bertrand and destroyed it.	
Kimball County	6	3:25 PM			0	0	0	0	Funnel Cloud	
									A funnel cloud was sighted 14 miles south of Bushnell.	
Scottsbluff County	6	3:30 PM			0	0	3	0	Damaging Winds	
									Thunderstorm winds destroyed a storage shed and downed a number of trees in Scottsbluff.	
Brown and Rock Counties	7	5:45 PM	12	300	0	1	6	5	Tornado	
									A tornado touched down 2 miles east of Ainsworth and moved east through Long Pine then lifted and touched down again 8 miles southeast of Long Pine before dissipating. Four homes and a large farm equipment company were destroyed or damaged along with two mobile homes, six vehicles and three sheds and power lines. Hail damaged crops north of the storm's path. One person received minor cuts.	
Rock County	7	7:00 PM			0	0	0	3	Hail	
									One and a half inch hail was reported in the vicinity of Rose with some crop damage.	
Elaine and Custer Counties	7	7:10 PM - 8:25 PM	35	100	0	0	6	4	Tornado	
									A tornado touched down at intervals from 5 miles northeast of Dunning to about 7 miles north-northeast of Broken Bow. Besides damage to power lines, trees, and fences, five farmsteads and ranches sustained varying amounts of damage to buildings and equipment including the loss of 11 head of cattle.	
Loup County	7	7:20 PM - 8:10 PM	25	100	0	0	6	5	Tornado	
									A tornado formed 20 miles northwest of Taylor and moved southeast to 10 miles east of Taylor before lifting. Twelve farmsteads suffered varying amounts of damage to equipment, houses and buildings along with the loss of 4 head of stock. Trees, utility lines, 3 vehicles and 3 mobile homes were also damaged.	
Custer County	7	8:50 PM			0	0	2	3	Damaging Winds and Hail	
									Gusty winds and 1 1/2 inch hail in a thunderstorm downed trees and power lines at Broken Bow and caused some crop damage.	
NEBRASKA (continued)										
Douglas County	10	10:30 PM			0	0	2	0	Hail	
									Three quarter inch hail fell at Spynley Field in Omaha causing minor damage to a parked aircraft.	
Sary County	10	10:40 PM			0	0	3	0	Lightning	
									Lightning damaged the electrical system and appliances along with causing some structure damage to a home in Bellevue.	
Cherry County	14	5:45 PM			0	0	0	0	Funnel Cloud	
									A funnel cloud was sighted 5 miles west of Valentine.	
Keya Paha, Rock and Holt Counties	14	5:45 PM - 7:40 PM			0	0	3	7	Hail	
									Hail upwards to 1 1/2 inches in diameter extensively damaged crops in a swath ranging up to 6 miles wide from the Burton area southeast across Holt County to the county line northeast of Page. Some window and minor damage to buildings occurred on farms.	
Brown County	14	6:50 PM			0	0	0	0	Funnel Cloud	
									A funnel cloud was reported 1 mile northeast of Ainsworth.	
Knox, Antelope, Madison and Pierce Counties	14	7:45 PM - 9:10 PM			0	0	5	7	Hail and Damaging Winds	
									Hail to 1 1/2 inches in diameter extensively damaged crops in a swath ranging upwards to 6 miles wide extending from extreme southwest Knox County southeast through Brunsvick and Pierce to just northeast of Hadr. Windows were broken at farms. Strong winds with the thunderstorms damaged irrigation systems, trees and some farm buildings around Pierce. Two head of cattle died on a farm near Pierce when a barn collapsed.	
Elaine County	14	8:40 PM			0	0	0	0	Funnel Cloud	
									A funnel cloud was reported 10 miles north of Brewster.	
Stanton and Cuming Counties	14	9:10 PM - 10:00 PM			0	0	4	6	Hail and Damaging Winds	
									Hail upwards to 1 1/2 to 2 inches in diameter driven by gusty winds in thunderstorms severely damaged crops in a 3 mile wide path from northwest Stanton County through south of Pilger to 5 miles southwest of West Point. A number of farms had broken windows and trees downed.	
Phelps County	14	10:00 PM			0	0	2	3	Damaging Winds	
									Strong thunderstorm winds flattened crops and caused minor damage to a home west of Funk.	
Greeley County	14	10:15 PM			0	0	?	?	Tornado	
									A tornado touched down briefly west of Wolbach. No damage reported.	
Logan and Custer Counties	14	11:00 PM			0	0	2	6	Hail	
									Hail damaged crops and broke a number of windows in the area between Stapleton and Arthur.	
Nance, Howard and Merrick Counties	14 - 15	11:15 PM - 12:15 AM			0	0	2	6	Hail	
									Hail to 1 1/2 inches in diameter damaged crops in a 2 mile strip from southwest Nance County southeast to the area northeast of Central City. Damage to crops also was reported around Chapman and St. Libory.	
Hall County	15	12:10 AM			0	0	?	?	Hail	
									One inch hail fell at Grand Island. No damage was reported.	
Nuckolls County	15	Early Morning			0	0	0	3	Lightning	
									Fire started by lightning destroyed 5 acres of wheat on a farm north of Superior.	
McPherson County	16	12:30 PM			0	0	0	2	Hail	
									One and a half inch hail fell briefly northeast of Tryon with minor crop damage reported.	
Custer County	16	1:30 PM			0	0	3	0	Lightning	
									Fire started by lightning damaged kitchen of a home at Sargeant.	
Scottsbluff County	16	5:45 PM			0	0	?	?	Hail	
									Hail 2 1/2 inches in diameter fell briefly around Minatare. No damage was reported.	

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NEBRASKA (continued)									
Sheridan County	18	1:10 PM			0	0	0	0	Funnel Cloud
		A funnel cloud was sighted 6 miles northeast of Gordon.							
Box Butte County	18	2:00 PM			0	0	0	0	Funnel Cloud
		A funnel cloud was sighted 12 miles northeast of Hemingford.							
Sheridan County	18	2:45 PM			0	0	?	?	Hail
		One and a half inch hail fell at Rushville. No damage reported.							
Knox County	19	6:15 PM			0	0	4	5	Damaging Winds and Hail
		Strong winds and 1 1/2 inch hail in thunderstorms damaged crops and caused property damage. Granaries were destroyed east of Niobrara and a garage wall blown out and sheds destroyed 17 miles east of Niobrara. Heaviest crop damage was north of Verdigre and in the Lindy area.							
Lincoln County	21	7:30 PM	1/8	10	0	0	0	?	Tornado
		A tornado touched down briefly in open country in extreme northwest Lincoln County.							
Antelope County	22	Early Morning			0	0	0	4	Hail
		Hail damaged crops in a strip 3 miles long and 1 mile wide southwest of Clearwater.							
Hamilton County	24	2:15 AM			0	0	3	4	Damaging Winds
		Strong thunderstorm winds damaged a storage shed north of Hampton along with crops between Marquette and Hampton.							
Lincoln County	24	1:45 PM			0	4	5	4	Damaging Winds and Hail
		Winds gusting to an estimated 60 to 70 m.p.h. in thunderstorms destroyed 2 mobile homes and damaged another near Hershey. Four occupants were injured. Winds also downed trees, and damaged a truck, a trailer and an irrigation system. Half inch hail damaged crops in a strip through the area.							
Hitchcock County	24	3:00 PM			0	0	0	4	Hail
		One and a half inch hail heavily damaged 200 acres of corn and milo west of Calbertson.							
Frontier County	24	3:30 PM			0	0	4	0	Damaging Winds
		Gusty thunderstorm winds destroyed a number of grain bins near Greffino.							
Dawson County	24	4:50 PM			0	0	0	3	Hail
		Hail damaged crops south and east of Eddyville.							
Phelps County	24	5:00 PM			0	0	3	3	Damaging Winds
		Thunderstorm winds of 50 to 60 m.p.h. blew down trees, flattened corn and caused roof damage around Holdrege.							
Keith County	26	1:00 AM			0	0	?	?	Hail
		One and a half inch hail fell around Ogallala and no damage reported.							
Greeley County	26	4:00 PM			0	0	0	0	Damaging Winds
		Winds gusted to near 60 m.p.h. 5 miles north of Wollbach in a thunderstorm no damage reported.							
Buffalo County	26	6:00 PM			0	0	0	4	Hail
		Hail with gusty winds in thunderstorms severely damaged crops east and south of Amherst.							
Furnas County	26	8:00 PM			0	0	5	6	Damaging Winds and Hail
		Winds estimated to 70 m.p.h. and 3/4 inch hail in thunderstorms damaged crops and buildings along with downing trees and power lines. The roof was blown off a home west of Beaver City and farm buildings damaged 5 miles east of Arapahoe along with the loss of a cow. Hail damage was most concentrated in a strip from east of Arapahoe south to east of Beaver City.							
Scottsbluff County	26	9:20 PM			0	0	0	0	Funnel Cloud
		A funnel cloud was reported just south of Gering.							
Scottsbluff County	26	9:25 PM			0	0	2	0	Damaging Winds
		Winds gusted to 57 m.p.h. at Scottsbluff in a thunderstorm causing minor tree and property damage.							
NEBRASKA (continued)									
Scottsbluff County	26	9:35 PM			0	0	4	0	Flash Flooding
		Very heavy rains south of Mitchell and in the Wildcat Hills made some roads inaccessible and caused washouts.							
Keith and Lincoln Counties	27	12:40 AM			0	0	2	3	Hail
		Three quarter to 1 1/2 inch hail was reported briefly around Ogallala and North Platte.							
Logan and Custer Counties	27	6:25 PM - 7:15 PM			0	0	5	6	Hail
		Hail upwards to 2 inches in diameter caused serious crop damage along with breaking windows and damaging roofs and vehicles most extensive damage being west of Stapleton and around north of Arnold and Ringgold.							
Arthur and McPherson Counties	27	7:15 PM - 8:00 PM			0	0	3	5	Hail
		Hail to 1 1/2 inches damaged crops and caused property damage. The Arthur area had most extensive damage.							
Lincoln, Perkins and Keith Counties	27	7:45 PM - 10:00 PM			0	0	5	6	Hail and Damaging Winds
		Hail upwards to 2 inches in diameter along with gusty winds in thunderstorms caused extensive crop damage along with breaking windows, damaging roofs and vehicles along with downing trees. Hardest hit areas were around North Platte and Maxwell.							
Keith and Arthur Counties	27	8:10 PM			0	0	0	0	Funnel Cloud
		A funnel cloud was sighted on the Keith - Arthur County lines near Highway 51.							
Lincoln County	27	9:00 PM			0	0	3	?	Flash Flood
		Four to 6 inches of rain fell in less than an hour south and east of Maxwell causing lowland flooding and washouts.							
Dawson, Chase, Hayes, Frontier and Gosper Counties	27	9:30 PM - 11:00 PM			0	0	3	5	Hail and Damaging Winds
		Hail to 1 1/2 inches in diameter along with gusty winds damaged crops, broke windows and blew down trees. Areas around Curtis and Elwood reported most damage.							
Frontier County	27	10:30 PM			0	0	3	0	Lightning
		Fire set by lightning destroyed an old farm house west of Eustis.							
Lincoln County	28	3:40 AM			0	0	2	2	Hail
		One and a half inch hail fell briefly around North Platte.							
Cedar County	29	12:30 PM			0	0	3	0	Lightning
		Lightning struck and killed 4 head of cattle on a farm north of Randolph.							
Scottsbluff County	29	4:55 PM			0	0	0	0	Funnel Cloud
		A funnel cloud was reported 4 miles north of Morrill.							
Scottsbluff County	29	5:20 PM - 6:20 PM			0	0	5	4	Hail
		Hail from 1 1/2 to 3 inches in diameter fell damaging windows, auto and roof tops. Some crop damage was reported. Most extensive hail fell around Morrill.							
Morrill County	29	6:45 PM			0	0	4	0	Lightning
		Lightning started a fire that destroyed a ranch house northeast of Broadwater.							
Brown, Rock and Antelope and Holt Counties	29	8:45 PM - 10:30 PM			0	0	5	6	Damaging Winds and Hail
		Strong winds and hail in thunderstorms damaged crops and irrigation systems along with some farm homes and buildings. Most extensive property damage was from southeast of Bassett to 10 miles south of Newport.							
Pierce, Cedar, Dixon, Dakota, Wayne, Thurston, Madison, Stanton Burt and Cuming Counties	29-30	10:45 PM - 12:25 AM			0	0	6	5	Damaging Winds
		Winds gusting from 55 to 70 m.p.h. in thunderstorms downed trees and utility lines along with damaging some farm buildings. Most extensive farm damage occurred around Foster and also 10 miles south of Randolph where 14 head of cattle died in a heavily damaged barn. A number of cars and homes were damaged from fallen trees at Wakefield and Pender.							

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					KILLED	INJURED	PROPERTY	CROPS	
NEBRASKA (continued)									
Cherry County	31	3:45 PM	Short	Narrow	0	0	0	0	Tornado
			A tornado touched down briefly in open country 17 miles southwest of Kilgore.						
Lincoln County	31	5:30 PM			0	0	0	0	Funnel Cloud
			A funnel cloud was sighted 7 miles northwest of Wallace.						
Chase County	31	7:30 PM			0	0	0	0	Funnel Cloud
			A funnel cloud was reported just west of Imperial.						
Chase County	31	8:00 PM			0	0	0	5	Hail
			Large hail severely damaged crops in an area 9 miles south of Champion.						
NEVADA									
ELKO	18	11:45P			0	0	0	0	WINDSTORM 6 55 MPH Elko Arpt
			Funnel cloud reported 5 miles east of Elko.						
FISH CREEK, SOUTH OF BATTLE MOUNTAIN	21-22	UNK			0	0	4	0	THUNDERSTORM
BISHOP CREEK RESERVOIR, SOUTH OF WELLS	22	UNK			0	0	4	0	THUNDERSTORM
			Irrigation canal washed out.						
JARBIDGE	22	UNK			0	0	4	0	THUNDERSTORM
			Highway closed due to mud slides.						
NEW HAMPSHIRE									
			NONE REPORTED						
NEW JERSEY									
Bucks County	14	LATE AFTERNOON			1	?	?	?	Electrical Storm
			A Bensalem man was struck by lightning while playing soft ball. A building collapsed after apparently being hit by lightning and a series of lightning bolts carved six eight inch deep craters on the roadway of I-95 between Stes 413 and 1.						
Hunterdon County	16	6p			2	1	?	?	Electrical Storm
			A flying instructor and his student were fatally injured when they were struck by lightning at Sky Manor Airport during a sudden heavy thunderstorm while tying down their plane when the storm moved in they were knocked unconscious and badly burned by a sudden bolt of lightning. Another man while taxiing his plane into a runway about the same time the other two men were struck fell down as he ran towards the hangars. Police said he was actually struck by lightning or went into shock at seeing what had occurred.						
NEW MEXICO									
Near Roswell, Chavez County	7	5:00 a			0	0	4	0	Lightning, Fire
			Lightning-caused fire destroyed four oil storage tanks and contents.						
Near Cowles, San Miguel County	15	12:00 n			1	0	0	0	Lightning
			Man struck and killed by lightning while hiking in Pecos Wilderness.						
Floyd, Roosevelt County	15	5:30 p			0	0	4	0	Tornado
			Small tornado, briefly touched down and destroyed and scattered farm outbuildings.						
Roosevelt County	24	Afternoon			0	0	4	3	Severe Thunderstorms Hail, Wind
			Several thunderstorms caused wind and hail damage to crops, powerlines, and structures. Lightning ignited stacks of alfalfa hay. Five steers electrocuted by down power line.						
Near Lovington, Lea County	24	7:00 p			0	0	3	0	Tornado
			Small tornado touched down briefly eleven miles west of Lovington. Damaged house under construction and power lines.						
El Vado Lake, Rio Arriba County	28	Afternoon			1	0	0	0	Lightning
			Girl killed by lightning stroke while washing water skis from boat.						
Near Silver City, Grant County	31	1:47 p			0	0	0	0	Tornado
			Numerous sightings, including pictures, of tornado five miles north of Grant County Airbrt. Funnel visible almost an hour including ten-minute touchdown in open country. No damage.						
Anthony, Dona Ana County	31	5:30 p	2	1000	0	0	4	?	Tornado
			Tornado moved through small rural community and trailer park. Funnel not visible due to clouds and heavy rain but typical roaring sound was reported as well as apparent rotary motion. Several house trailers and other structures demolished.						

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					KILLED	INJURED	PROPERTY	CROPS	
NEW YORK									
COASTAL			NONE REPORTED						
Extreme southeast, Nassau, Suffolk Co.	1				?	?	?	?	Flooding
			Small Business Admin. reported that the largest number of applications came from the Hauppauge-Ronkonkoma area, where the basements of thousands of homes were flooded because of the water table has been raised by the rains and the ground cannot absorb more water. It was reported on June 30, 1979 that 1,675 homeowners in Nassau and Suffolk Counties are seeking \$7.9 million in loans. In addition, 38 businesses have requested \$850,000. Most of the Long Island applications came from Suffolk residents whose property was damaged as a result of storms and flooding from Jan. 19 through March 15.						
New York City	1						7		Flooding
			In New York City SBA received 1,166 applications from homeowners for \$6.1 million and from 62 businesses for \$3 million.						
NEW YORK CENTRAL									
HAMILTON COUNTY	21	8P-10P	2	275	0	1	5		THUNDERSTORM/ MINI-TORNADO
			A SEVERE THUNDERSTORM ACCOMPANIED BY A MINI-TORNADO MOVED ACROSS SACANDAGA LAKE INTO THE TOWN OF SPECULATOR. TWO TO THREE INCHES OF GOLF BALL SIZE HAIL ALONG WITH STRONG WINDS AND FREQUENT LIGHTNING DOWNED MANY TREES AND POWERLINES CAUSING POWER OUTAGES. A WOMAN SUFFERED A BROKEN LEG WHEN A TREE FELL ON HER TENT IN THE MIDDLE OF THE STORM.						
WARREN, SARATOGA, ALBANY, RENSSELAER, AND SCHENECTADY COUNTIES	26	2P-6P			0	0	4		THUNDERSTORMS
			TWO TO THREE INCHES OF RAIN CAUSED FLOODED STREETS IN MANY AREAS WITH SOME HOMES IN LOWLAND AREAS RECEIVING MINOR FLOODING. FREQUENT LIGHTNING CAUSED MANY POWER OUTAGES AND SEVERAL STRUCTURE FIRES IN THE AREA.						
NEW YORK WESTERN									
Cattaraugus, Yates, & Allegany Counties	7/14				0	0	5	0	Heavy rains & Lightning
			Scattered heavy thunderstorms with heavy rains and lightning flooded basements and streets in Olean, Cattaraugus County, washed out a bridge in Shongo, Allegany County. Lightning struck and killed a herd of 26 cows in Penn Yan, Yates County.						
Allegany County	7/23				0	0	4	0	Heavy rains and Lightning
			Heavy thunderstorms produced 4 to 5 inches of rain in less than 45 minutes. Fresh floods inundated secondary roads and flushed a house trailer in town of Willing. Lightning struck and damaged a radio transmitter in Wellsville.						
Ontario, Monroe, Seneca & Steuben Counties	7/31				0	0	4	C	Heavy rains, Wind & Lightning
			Heavy rains from thunderstorms caused street flooding of up to 2 feet in many places in Seneca and Monroe Counties. Roofs were blown off garages and sheds, many trees were uprooted, power lines were knocked out, and cornfields flattened in Ontario and Steuben counties.						
NORTH CAROLINA									
Wayne County	4	4:30 pm			0	0	4	4	Thunderstorm
			Strong winds and pea size hail associated with a thunderstorm in Mt. Olive damaged trees, some tobacco, and utility lines.						
Robeson & Bladen Cty	4	4:50 pm			0	0	4	5	Hail
			Severe hail storm damaged over 100 acres between Lumberton and Bladenboro.						
Guilford County	4	7:00 pm			0	0	4		Funnel Cloud/ Winds
			Strong winds damaged trees, a house, and utility lines in the Hamilton Lake area of Greensboro. A funnel cloud was sighted in the area.						
Buncombe County	4	afternoon			0	1	3	0	Lightning
			West of Asheville a woman was injured when hit by lightning. Two horses were killed by lightning near Mebane.						
Brunswick County	4	7:40 pm			0	0	0	3	Hail
			Large hail, the size of a quarter, fell in Southport.						
New Hanover County	15	5:35 pm			0	0	2	0	Wind
			High winds up to 85 mph damaged a pier at Kure Beach.						
Pamlico County	18	12:43 pm			0	0	0	0	Funnel Cloud
Pamlico, NC									
Craven County	18	2:06 pm			0	0	0	0	Funnel Cloud
Cherry Point, NC									

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NORTH CAROLINA (continued)									
Currituck County	22	3:00 pm			0	0	2	0	Waterspout Tornado
A small waterspout came ashore and hit the edge of a campground at Coinjock. There was a little damage to trees, tents, and a pickup truck.									
Cabarrus County	25	3:00 pm			0	2	0	0	Lightning
Two young girls in Concord were slightly injured when lightning hit the umbrellas they were carrying.									
Offshore	26	9:55 am			0	0	0	0	Waterspouts
Waterspouts sighted off Frying Pan Light tower.									
NORTH DAKOTA									
Turtle Lake (McLean County)	1	12:52a CST							Funnel
Elgin (Grant County)	1	1:28a CST							Funnel
Stanley (Mountrail County)	1	2:00a CST			0	0	0	0	Hailstorm
Hail 3/4 inch in diameter. No damage reported.									
Minot (Ward County)	1	3:00p CST			0	0	4	0	Heavy Rain
Heavy rains...up to 4.5 inches in some areas...flooded under-pasages, low lying areas and basements. Several cars became stalled in flood waters while surging water flooded several buildings and broke a storm sewer line.									
Towner (McHenry County)	3	3:30p CST			0	0	3	0	Lightning Hailstorm
Penny size hail...no damage reported. Lightning killed two pigs and injured two others.									
Regan (Burleigh County)	1	5:29p CST			0	0	3	0	Heavy Rain Hailstorm
Golf ball size hail did extensive damage to gardens. Heavy rains caused minor flooding of basements.									
Ruso 5NW (Ward County)	1	6:21p CST							Funnel
Crooked Lake (McLean County)	1	6:35p CST			0	0	0	4	Hailstorm Funnel
Golf ball size hail damaged some area crops. Funnel also sighted during storm.									
Bismarck 20NE (Burleigh County)	1	6:40p CST							Funnel
Turtle Lake (McLean County)	1	7:40p CST							Funnel
Mercer (McLean County)	1	8:00p CST			0	0	0	0	Hailstorm
One inch hail. No damage reported.									
Harvey 10S (Wells County)	1	9:42p CST							Funnel
Grand Forks Area (Grand Forks and Trell Counties)	1	Night			0	0	4	6	Heavy Rain
Heavy rains resulted in basement flooding and waterlogged streets and underpasses in Grand Forks. Many acres of small grain and row crops were lost; and some rural roads were damaged by the heavy rains.									
Veselyville, Voss and Forest River Areas (Walsh County)	1	--			0	0	0	5	Heavy Rain
Heavy rains extensively damaged some grain and row crop fields.									
Mandan (Morton County)	2	10:30p CST			0	0	4	0	Funnel Heavy Rain
Heavy rains caused flooding of underpasses, streets and basement apartments. Several cars were caught in flooded underpasses, and suffered water damage. Funnel was sighted during the storm.									
Bismarck (Burleigh County)	3	12:30a CST			0	0	3	0	Lightning
Lightning strikes damaged two homes.									
Watford City (McKenzie County)	8	6:45p CST			0	0	4	0	Windstorm
High winds completely damaged an airplane hangar.									
Richardton (Stark County)	8	9:25p CST			0	0	0	0	Windstorm
Winds of 50mph. No damage reported.									
Scranton (Bowman County)	8	9:40p CST			0	0	0	0	Windstorm
Winds of 60mph. No damage reported.									
Heart Butte Dam (Grant County)	8	10:12p CST							Funnel
New Salem (Morton County)	8	10:36p CST			0	0	0	0	Windstorm
Winds of 60mph. No damage reported.									
NORTH DAKOTA (continued)									
New Town (Mountrail County)	8	10:50p CST			0	0	2	0	Windstorm
Winds of 70 to 80 mph blew down a few tree limbs and damaged a metal storage shed.									
Underwood (McLean County)	9	2:25a CST			0	0	3	0	Windstorm
High winds uprooted a tree and overturned a metal garage.									
New Salem (Morton County)	9	6:00p CST			0	0	3	3	Heavy Rain
Heavy rains washed out hay swaths and fences.									
Mott 18S & 10W (Bettinger County)	9	5:46p CST							Funnel
Mott 20W (Bettinger County)	9	7:00 p CST							(2) Funnels
Trenton (Williams County)	10	8:15p CST							(2) Funnels
Beach 16NE (Golden Valley County)	10	8:30p CST			0	0	2	5	Hailstorm Heavy Rain
Hailstones 1-1/4 inches in diameter severely damaged crops. Heavy rains washed out parts of a county road.									
Beach 5S (Golden Valley County)	10	8:30p CST							Funnel
Watford City (McKenzie County)	10	8:30p CST							Funnel
Pretty Rock (Grant County)	11	1:30a CST			0	0	0	0	Hailstorm
Golfball size hail. No damage reported.									
Port Yates (Sioux County)	11	3:00a CST							Funnel
Richardton (Stark County)	11	6:00p CST			0	0	0	5	Hailstorm
Walnut size hail damaged area crops.									
Mott 14S (Adams County)	11	9:00 p CST							Funnel
McIntosh 25W (Grant County)	11	9:41p CST	?	?	0	0	0	0	Tornado
Elgin 10W & 10E (Grant County)	11	9:43p CST	?	?	0	0	0	0	Tornado
Flasher 12SW (Grant County)	11	10:10p CST							Funnel
St. Anthony 8SW (Morton County)	11	10:50p CST							Funnel
Mandan 12SW (Morton County)	11	11:45p CST							Funnel
Linton 10W & 3W (Ramons County)	11	11:55p CST			0	0	2	0	Windstorm
High winds blew over an old windmill and wrecked part of a corral.									
Glen Ullin (Morton County)	12	3:55p CST							Funnel
Scranton (Bowman County)	12	7:20p CST			0	0	0	0	Windstorm
Winds of 60mph. No damage reported.									
Reeder (Adams County)	12	7:48p CST			0	0	0	0	Hailstorm
Hail the size of quarters. No damage reported.									
Mott (Grant County)	12	8:05p CST			0	0	4	0	Windstorm
Winds of 60mph knocked down a radio-television tower.									
New Leipzig 8S & 10W (Grant County)	12	8:22p CST							Funnel
New Leipzig 15S (Grant County)	12	10:00p CST			0	0	3	0	Heavy Rain
Heavy rain washed out part of State Highway 49.									
Ray (Williams County)	21	2:33p CST							Funnel
Halliday (Dunn County)	21	5:50p CST			0	0	3	0	Windstorm
High winds blew out store windows.									
Bowman 10W (Bowman County)	22	8:05p CST			0	0	0	0	Windstorm
Winds of 65 to 70 mph. No damage reported.									
Alice (Cass County)	23	12:23p CST			0	0	5	0	Windstorm
High winds destroyed a feed mill building and blew down trees.									

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NORTH DAKOTA (continued)									
Fargo (Cass County)	23	12:46p CST			0	0	4	0	Windstorm
			Winds of 60mph knocked over powerlines and trees, and destroyed a small garage.						
McLeod (Benson County)	23	1:36p CST			0	0	2	0	Windstorm
			High winds knocked tree limbs off trees.						
Wahpeton (Richland County)	23	2:45p CST			0	0	0	0	Windstorm
			Winds of 65mph. No damage reported.						
Oakes 3W (Dickey County)	25	2:43p CST	?	?	0	0	0	0	Tornado
			Tornado touched down briefly. No damage reported.						
Zap 10W (Mercer County)	26	11:05a CST							Funnel
Bulah (Mercer County)	26	11:59a CST							Funnel
Larimore 3SW (Grand Forks County)	27	11:28a CST							Funnel
Madcock 13W (Benson County)	27	12:15p CST							(3) Funnels
Merricourt 6SW (Dickey County)	28	12:06p CST							Funnel
Toga 15S (Williams County)	29	1:30p CST			0	0	4	0	Lightning
			Lightning strike started a fire which destroyed a farm home.						
Gardar (Pembina County)	29	2:30p CST			0	0	0	5	Hailstorm Windstorm
			Golfball size hail damaged crops while 70 to 80 mph winds flattened fields and lodged grain.						
Dunn Center SSE (Dunn County)	29	2:40p CST	?	?	0	0	2	0	Tornado
			Tornado touched down briefly doing minor damage to a farm road and driving straw into a utility pole.						
Bulah 5S (Mercer County)	29	2:45p CST							(2) Funnels
Glen Ullin 10SW (Morton County)	29	2:55p CST							Funnel
Stanton 8S (Mercer County)	29	2:57p CST							Funnel
Williston 28NW (Williams County)	29	4:00p CST							Funnel
Mandan 25SW (Morton County)	29	4:15p CST	?	?	0	0	0	0	Tornado
			Tornado touched down briefly. No damage reported.						
Elgin to Shields 10SE (Grant County & Sioux County)	29	4:30p CST			0	0	4	5	Hailstorm
			Golfball size hail severely damaged small grain crops and broke windows on farm homes and buildings.						
Turtle Lake 10W (McLean County)	29	4:56p CST							Funnel
Williston 13W & 4W (Williams County)	29	5:05p CST	?	?	0	0	0	0	Tornado
			Tornado touched down briefly. No damage reported.						
Williston 9W & 15W (Williams County)	29	5:24p CST	?	?	0	0	0	0	Tornado
			Tornado touched down briefly. No damage reported.						
Minot AFB 9NW (Ward County)	29	8:07p CST							Funnel
Valley City (Barnes County)	29	8:55p CST			0	0	3	5	Windstorm Hailstorm
			Winds up to 60mph broke a power pole, tore the roof off a farmstead's outbuilding, tore down power lines, and broke off tree limbs. Hail damaged some area crops.						
Eula (LaMoure County)	29	9:30p CST			0	0	0	5	Hailstorm
			Hailstorm severely damaged some area farmlands.						
Tower City SE (Cass County)	29	9:55p CST			0	0	0	0	Windstorm
			Winds of 60mph. No damage reported.						
Crosby 14W (Divide County)	30	1:54p CST							Funnel

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OHIO									
Bowling Green, Wood County	9	3PM-6PM	--	--	0	0	4 ⁰	C	Heavy Rain, Lightning
			Thunderstorms dumped 5.2 inches of rain in Bowling Green in three hours. There were power outages, flooded buildings, and lightning strikes. Some crops were damaged when the Portage River spilled out of its banks.						
Northeast Quarter	22	2PM-4PM	-	-	0	0	5	0	High Winds, Lightning, Heavy Rain
			Numerous thunderstorms with winds to 60 mph, up to 3 inches of rain, and several lightning strikes, moved through the northeast quarter of the state during the late afternoon. Utility lines and trees were downed and lightning strikes started several fires in houses and barns. The heavy rains caused flooding of urban drainage systems and small streams.						
Entire State	23	-	-	-	0	0	5	0	Lightning, High Winds
	25								
			Thunderstorms moved through all areas of the state for three days. Many of the storms were accompanied by gusty winds which damaged trees and utility lines. Several lightning strikes started fires.						
Elida, Allen County	30	2:30PM	-	-	0	0	4	0	TORNADO
			A mini tornado touched down briefly on a farm in this small town to the northwest of Lima. The storm damaged trees, out buildings and the farm house.						
Hardin County	30	4PM-5PM	-	-	0	0	4 ⁰	C	High Winds, Heavy Rain
			Heavy thunderstorms moved through this county dumping over 2 inches of rain. Gusty winds downed trees and utility lines and damaged crops.						
OKLAHOMA									
Near Claremore, Rogers County	5	3:00p							Funnel Clouds
			Several funnels were reported in the area.						
Yukon, Canadian Co.	5	afternoon			0	1	0	0	Lightning Strike
			A man was injured while painting a house.						
Oklahoma City Area	5-6	night - morning			0	0	4	0	Flooding, Wind
			Rains of nearly 5 inches occurred in the metropolitan area. Low spots and streets were flooded. Crutcho Creek flooded a church camp ground early on the 6th. An isolated wind gust of 73 mph occurred in northeast Oklahoma City at about 8:15 pm on the 5th.						
Seminole, Seminole County	5-6	night - morning			0	0	5	0	Flooding
			Over 4 inches of rain fell in a two hour period. The rain caused flooding of low areas and streets, and by noon on the 6th, Mewoka Creek was out of banks and had flooded the Municipal Park.						
Henryetta, Okmulgee County	6	early morning			0	0	5	0	Flooding
			Four inches of rain fell between midnight and noon. A creek overflowed its banks and flooded a two block area. Flooding was heaviest in the west end of the City.						
Ottawa County	6	12:45p							Funnel Cloud
			Sighted west of Commerce.						
Durant, Bryan Co.	6	afternoon			0	0	3	0	Wind
			Winds destroyed a metal building and carport at one home. Other damage occurred to trees in the City.						
Tulsa County	6-7	night - morning			0	0	4	0	Flooding
			Rainfall up to 4 inches caused street flooding in south Tulsa, Bixby, and Jenks.						
Duke, Jackson Co.	9	5:30p			0	1	0	0	Lightning Strike
			A man was injured while talking on a telephone.						
West of Ada, Pontotoc County	9	6:30p			0	0	?	?	Hail
			Golfball size hail fell about 4 miles west of Ada. Hail, up to 3 inches in diameter, covered the ground about 1 to 2 miles west of Ada.						
Eufaula, McIntosh County	9	9:10p			0	0	5	0	Windstorm
			Violent winds damaged three trailer homes, two houses and numerous boats in the Eufaula Cove area. Heavy damage occurred to the marina. A six inch wide piece of lumber was blown through a wall of a home and jutted three feet into the room. Damage was also reported to the Belle Starr Marina.						
McCurtain County	9	late night			0	0	?	?	Wind
			Minor wind damage occurred throughout the County to trees and antennas.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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OKLAHOMA (continued)									
Kay County	10	afternoon			0	0	?	?	Hail, Wind
	Hail, up to 1 1/2 inch in diameter, fell 5 miles east of Braman at 4:18p and in Blackwell at 4:55p. Tree and power line damage occurred from high winds and one home had its porch blown off in Braman. Golfball size hail was reported at Braman. Gusts to 55 mph were measured at Blackwell. Tonkawa reported 3/4 inch hail at 5:10 pm.								
Oklahoma City	16	4:50p	short, narrow		0	0	5	0	Tornado, Wind
	Gust front-type straight winds caused damage to shingles, trees, and windows in the Canyon North and Hertzig Nature Park areas of northwest Oklahoma City. The winds were from the north-northeast. Along the gust front, a mini-tornado type vortex developed and damaged 8 houses in one block. Four lost a large portion of their roofs and the others suffered considerable damage. Although it only lasted for a few seconds, a resident, of one of the homes, observed a white funnel and debris cloud as the damage was occurring; just after rain had started. Very heavy rain and small hail followed.								
Oklahoma City	16	5:23p			0	0	4	0	Windstorm
	Winds, from the north-northeast, damaged trees and signs near I-40 and Council Road. Heavier damage occurred to a concrete-block building which was destroyed. Some steel I beams of the roof were moved 50 feet to the south and others impacted into a steel building on the east.								
Anadarko, Caddo County	16	6:09p			0	0	?	?	Hail, Wind
	Golfball size hail damaged cars, windows, and gardens at Anadarko. Winds, estimated at 50 mph, also damaged trees and windows. At about 6:30 pm a pickup truck with a trailer was blown over by the winds west of Anadarko. The truck was stopped at the time.								
Kiowa County	16	6:42p			0	0	?	?	Windstorm
	A trailer was overturned near Lake Altus. Five poles were broken on the power line a half mile east and in the mile south of Recreation Area No. 11 in the Quartz Mountain State Park.								
Northwest Oklahoma	16	night			0	0	?	?	Heavy rain
	Thunderstorms produced locally heavy rainfall from northwest of Woodward to Cherokee. U.S. 64 was flooded between Cherokee and Alva. U.S. 279 was flooded east of May.								
Choctaw, Oklahoma County	17	3:40a			0	1	0	0	Lightning Strike
	Lightning hit the top of the City Hall. A 16 year old, who was talking on a phone, received a shock in the jaw.								
Fort Gibson Lake, Cherokee County	17	2:00p			1	0	0	0	Lightning Strike
	One man was killed when lightning struck a nearby tree.								
Dewey and Custer Counties	23	morning			0	0	?	?	Flooding
	At Clinton, 2 inches of rain fell in 30 minutes and caused street flooding. The Washita River, east of Clinton, spilled over and flooded Nance Rotary Park. Reports of 6 1/2 to 7 inches of rain were received from the area north of Arapaho. East of Arapaho, more than 4 inches of rain was reported in one hour. Beaver Creek flooded the Arapaho-Weatherford road with water 4 feet deep. North Caddo bridge was obstructed due to a large amount of drift from high waters of Deer Creek. In the Taloga area, 5 to nearly six inches of rain was reported. One to 2 feet of water covered U.S. 183 south of Taloga.								
Lake Valley, Washita County	23	2:30p	?	?	0	0	4	0	Tornado
	Tornado first demolished a tractor barn and moved south and destroyed two other barns and some trees. Minor damage occurred to one house.								
Gotebo, Kiowa Co.	23	3:20p			0	0	?	?	Funnel Cloud, Wind
	A funnel was observed about 8 miles south of Gotebo. This may have been the same funnel which touched down near Lake Valley. Minor tree and antenna damage was reported at Gotebo.								
Woods County	24	8:55p			0	0	5	0	Windstorm
	At Eward, violent winds completely totalled three large greenhouses and damaged another. A pickup was lifted by the winds. A horse trailer was blown over and several large round bales of hay were scattered about. Two mobile homes were damaged. At Alva, some tree damage occurred and a patio roof was destroyed. Heavy rain accompanied the storm.								
Enid, Garfield Co.	30	4:30p			0	0	?	?	Wind
	Winds, clocked at 60 mph, blew down a few tree limbs and damaged screen doors.								
Bartlesville, Washington Co.	30	8:05p			0	0	5	0	Lightning Strike
	Lightning caused a fire which destroyed a large building and several offices located in it.								

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OKLAHOMA (continued)									
Kay County	30	night			0	0	4	0	Wind, Flooding
	Winds, clocked at 60 mph, damaged trees at Newkirk. Near Blackwell, several outbuildings were damaged and trees uprooted. Heavy rains flooded U.S. 60 five miles west of 1-35.								
Fairview, Major County	31	morning			0	0	?	?	Flash Flooding
	Shortly after 3 am, heavy rains began to fall in Fairview. At 3:29 am, police observed rapid rises on a creek and by 3:44 the creek was full. Around 4 am, a "wall of water" came rushing into the west part of the town. Water flooded cars on the streets and ran into the garage of one home. By 8 am, the water was receding. Water covered Highway 60 both north and southwest of Fairview.								
White Horn Cove, Wagner County	31	afternoon			0	1	0	0	Lightning Strike
	A man was injured and knocked unconscious when lightning struck near him.								
OREGON									
Hermiston, Umatilla County	1	Afternoon	UNK	UNK	0	0	UNK	UNK	High Wind
Klamath Basin, Klamath County	9	"	UNK	UNK	0	0	UNK	UNK	High Wind
Interstate 80N, near Hermiston and other northeast Oregon areas, Umatilla and Moro Counties	9	Evening	UNK	UNK	2	6	UNK	UNK	High Wind and Sand Storm
The Dalles, Wasco County	9	Evening	UNK	UNK	0	0	UNK	UNK	Thunderstorms and Wind
PACIFIC NO REPORT RECEIVED									
PENNSYLVANIA EASTERN NO REPORT RECEIVED									
PENNSYLVANIA WESTERN									
Crawford County	10	afternoon			0	0	?	?	Heavy Rain
	A flash flood resulted from 3.7 inches falling in a 40 minute period in Cochranton (Crawford County). There was extensive damage to residences as several basements were flooded. There were also landslides closing highways and causing power outages.								
Somerset County	13				0	0	?	?	Heavy Rain
	Thunderstorms spread through several communities in southern Somerset County causing moderate to extensive property damage as a result of flash flooding.								
Cambria County	20 & 23				0	0	?	?	Heavy Rain
	Heavy thunderstorms in Bakerton (Cambria County) caused thousands of dollars in property damage and substantial crop losses. There also was concern that an already damaged reservoir may give way.								
PUERTO RICO									
Vieques Passage	9	8:00 a.			0	0	0	0	Waterspout
Vieques Passage & Vieques Sound	14				0	0	0	0	Waterspout
Vieques Passage	17	11:15 a.			0	0	0	0	Waterspout
Vieques Passage	17	2:30 p.			0	0	0	0	Waterspout
South and Southwestern Portions	17-19				1	0	*6	C	Tropical Storm Claudette-Heavy Rain
	Although the circulation center of Tropical Storm Claudette passed north of Puerto Rico on the 18th, the most significant rainfall amounts fell along the southwestern coastal and interior portions of the island. Damages were mostly to crops and to rural roads and bridges. Total damage amounted to about \$750,000 with about half of that amount due to crop and other agricultural damages. One man was drowned when he attempted to cross a swollen creek with a jeep in the vicinity of Guayanilla. Maximum rainfall amounts just north of this area were in the range of 8-10 inches on the 18th during the passage of the storm. The Coayuco River near Yauco damaged a bridge to Hario Quebrada. About 25 families were evacuated from Barrio Luberías as a safety measure by Civil Defense. In Ponce several sectors adjacent to the Portuguese and Bucaná Rivers had minor flooding. In Mayaguez there was considerable road and street flooding. The Guanajibo River affected several areas of Mayaguez and Horniguera as well as portions of Cabo Rojo. Much of the agricultural damage was centered in the interior island sectors of Las Marias, Maricao, Sabana Grande and San Sebastian.								
RHODE ISLAND									
	26	Evening			0	0	3	0	Lightning
	Several lightning strikes on utility lines caused transformer burn outs and power outages.								

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SOUTH CAROLINA									
Wellford, South Carolina (Spartanburg Co.)	16	PM	-	-	0	1	4	-	Lightning
Lightning struck a garage seriously injuring a small boy.									
Wedgefield, South Carolina (Sumter Co.)	21	8:30 PM	100 YD	30 YD	0	0	2	2	Tornado
Tornado touched down about 2 miles east of Wedgefield. Trees were uprooted and thrown in all different directions, most of the roof of an abandoned house near the trees was gone and the power lines were broken in one place in a relatively straight line following the path of the boards, bricks, and tin from the house.									
Columbia, South Carolina (Richland Co.)	21	7:00 PM	-	-	0	0	5	0	Heavy Thunderstorm and rain
Heavy rains from a locally heavy thunderstorm produced several inches of rain in one hour, causing a small drainage stream in northern Columbia to flood. At least 20 homes were flooded as the water in the streets and yards rose as much as 5 feet above the streets and yards, disrupting traffic. Some children that were trapped had to be rescued by firemen in boats.									
Oakway, South Carolina (Oconee Co.)	23	1:30 PM	-	-	1	0	0	0	Lightning
An elderly man near Oakway, S.C. was talking on the telephone when lightning struck nearby. He died of a heart attack, apparently frightened by the bolt of lightning.									
SOUTH DAKOTA									
Edgemont, SD	8	1000 PM CDT	?	?	-	-	-	4	Tornado
Tornado destroyed mobile home and flattened barn.									
Kimball, SD	9	8:42 PM 9:30 PM	-	-	-	-	-	-	High Winds, Hail
Winds of 40-60 MPH were accompanied by marble sized hail. State Patrol at Kimball sighted several funnel clouds in the area.									
Hyde County	9	Afternoon	-	-	-	-	-	04	High Winds, Hail
High winds of undetermined velocity, along with hail of up to three inches heavily damaged crops and buildings in Highmore and Holbrook, SD.									
Bullhead, SD	12	1208 AM	?	?	-	-	-	-	Tornado
A tornado was reported by the Security Police. No damage reported.									
McLaughlin SD	12	1230 AM	?	?	-	-	-	-	Tornado
Police reported a tornado 6-8 miles south of McLaughlin moving east. No damage was caused by this storm.									
Yankton County	13	240 PM 325 PM	-	-	-	-	-	5	High Winds, Hail, Heavy Rain
Strong winds, hail up to golf ball sized and heavy rain occurred around Yankton, SD, causing considerable crop damage.									
Chamberlain, SD	13	117 AM	?	?	-	-	-	-	Tornado
A tornado was reported; however, no damage estimate was received.									
Ideal & Winner, SD	13	117 AM	?	?	-	-	-	-	Tornado
State Police reported tornadoes at both cities. No damage reported.									
Haakon County	13	1040 PM	-	-	-	-	-	3	High Winds
Airport Manager at Philip, SD estimated winds at 60 MPH; however, later reports estimated the winds at 100 MPH. Damage was light.									
Pennington County	14	1345 PM 1400 PM	?	?	-	-	-	5	Tornado
A severe thunderstorm and a tornado caused heavy damage to Ellsworth AFB.									
Heade County	14	1435 MDT	?	?	-	-	-	-	Tornado
A tornado was sighted by an Air Force crew approaching a missile site, six miles east of Creighton, SD. No damage was reported but the missile site was evacuated for a time.									
Lyman County	14	Afternoon Evening	-	-	-	-	-	05	High Winds
Winds were clocked up to 70 MPH in and around the Dabe Reservoir. These winds flipped a boat on Lake Sharpe and also flipped a camper on the highway near Pierre. Crops in the area also suffered severe damage.									
Jackson County	18	800 PM	?	?	-	-	-	4	Tornado
A tornado touched down in Cottonwood, SD causing damage to a trailer home, some businesses in town and also to private vehicles. No injuries were reported.									
SOUTH DAKOTA (continued)									
Brookings County	19	631 PM 640 PM	?	?	-	-	-	-	Tornadoes
One tornado was reported southeast of White, SD. A second tornado was reported by Brookings County Civil Defense, three miles east of Bushnell, SD. This storm was on the ground for fifteen minutes. No damage was reported.									
Lake County	20	510 PM	-	-	-	-	-	-	Hail
Hail up to one and one-quarter inches was reported by the cooperative observer, one-quarter mile south of Chester, SD.									
Minnehaha County	22	1255 AM 0100 AM	-	-	-	-	-	-	High Winds Heavy Rain
Winds of 50-60 MPH were reported at both Hartford and Wall Lake. Heavy rain, north of Sioux Falls, caused flooding on Highway 77.									
Davison, Gregory, Charles Mix, Brown & Potter Counties	29	720 AM to 930 AM	-	-	1	-	5	-	High Winds, Hail Heavy Rain Lightning
High winds and heavy rain combined with golf ball sized hail caused considerable damage, mainly to crops. Several funnel clouds were sighted in the vicinity of Aberdeen. No damage reports were received. One person was struck and killed by lightning in Gettysburg, SD.									
TENNESSEE									
Ethridge, Lawrence County	?	?	-	-	-	-	-	4	Lightning
During the week of July 1-7, thunderstorms moving across Lawrence County were responsible for lightning which struck a tree killing 18 head of cattle gathered there.									
Near New Johnsonville Humphreys County	2	About 10 a.	-	-	-	-	-	1	Lightning
An employee of a barge building firm was killed instantly when lightning struck the barge he was working on. Four other men were working on the barge when the lightning struck. All four were knocked to the ground, but none were injured.									
Kingston, Roane County	4	About 10 p.	-	-	-	-	-	4	Lightning
Lightning apparently started a fire in a Kingston home completely destroying the house. The lightning may have struck power lines and traveled through the wires into the house.									
Humboldt, Gibson County and southwest Carroll County	8	8 a. - 1 p.	-	-	-	-	-	5	Flash flooding
Rains estimated up to 6 inches fell in southeast Gibson and southwest Carroll Counties swelling streams, flooding roadways, and forcing the evacuation of 15 to 20 families in Humboldt. Those forced to evacuate due to rising waters returned to their homes late Sunday. Damage was considerable to roads, culverts, and bridges.									
Celina, Clay County	14	2:30 p.	-	-	-	-	-	4	Flash flooding, high winds
Heavy rains and high winds accompanying thunderstorms did scattered damage in Celina. Approximately 2 inches of rain fell in 30 minutes according to an official observer in Celina. The heavy rains produced flooding especially in the business area. Winds were responsible for downing trees and power lines.									
Northern Kingsport, Sullivan County	15	Midafter- noon	-	-	-	-	-	5	Flash flooding
Heavy rains produced flash flooding in the northern sections of Kingsport especially in the Bloomingdale Subdivision. The main streams involved were Steadman Branch and Eddy Creek. Civil Defense officials determined that 35 homes and mobile homes were affected. The rains came with a heavy midafternoon downpour, and about 75 persons were evacuated during the height of the flooding.									
East Tennessee	20 22	--	-	-	0	1	6	?	Flash flooding
Prolonged rains resulted in flooding over a large section of East Tennessee. The problems began Friday, the 20th, with extensive street flooding and creek flooding in the Chattanooga area. Thirty-one children were rescued from a school bus which drove into about 5 feet of water on a low-lying roadway. In other low lying areas, about 40 families were evacuated. On Saturday, the 21st, flash flooding was reported in the Woodbridge Community in Campbell County. Roads were underwater, a few homes were washed off their foundations, and several bridges were washed out. In Hamblen County, a building collapsed when waters collected on the roof. Rains continued into Sunday before finally ending. Roadways and railroad beds took considerable punishment from the rains and run-off. Between Harriman and Oakdale, several railroad cars were derailed when rains eroded the ground under the tracks. A 3-year-old girl was injured Saturday when she was swept into flood waters in Roane County. Counties specifically reporting flood problems included Campbell, Roane, Morgan, Hamblen, Greene, Hamilton, Grainger, Hawkins, Jefferson, Washington, and Monroe.									

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TENNESSEE (continued)										
Jefferson City, Jefferson County	23	5 p.			0	0	4	?		Windstorm
			High winds, rain, and hail accompanied a thunderstorm as it moved across Jefferson County late Monday afternoon. Damage was primarily confined to downed trees; however, a few of the trees fell onto property causing extensive damage. Roads were closed due to fallen trees, and power lines were downed causing power outages for several hours.							
TEXAS										
NORTHERN										
40N Abilene, Jones County	5	7:45P			0	0	0	0		Funnel cloud
			The funnel cloud did not touch down.							
Keller, Tarrant County	6	6:00P			0	0	0	0		Funnel cloud
			The funnel aloft was sighted by amateur radio storm spotters							
Terrell, Kaufman County	6	Evening			0	1	3	0		Windstorm
			A strong thunderstorm gust blew an automobile off of Interstate 20, seriously injuring a 38-year old man.							
Western Wilbarger County	9	6:20P 6:50P			0	0	5	?		Wind and hail storm
			Intense thunderstorms moved southeast across western Wilbarger County, including the Vernon area. At 6:20PM several vehicles were blown off of Highway 287 west of Vernon by estimated 80mph winds. Marble size hail reportedly covered the ground in Vernon at 6:36PM. About the same time, strong winds destroyed a grain elevator and mobile home in Vernon. Shortly before 7:00PM, strong wind gusts up-rooted trees 8 miles and 13 miles southwest of Vernon.							
Foard County	9	7:00P			0	1	4	?		Windstorm
			The same line of thunderstorms that inflicted damage on Wilbarger County caused wide spread damage in Foard County. Highway 70 was closed 11 miles west of Crowell when a tractor-trailer rig was overturned by winds. A truck driver was injured when strong winds overturned a second 18-wheeler east of Crowell. A farmhouse and several barns received extensive damage 20 miles west of Crowell when 80mph winds swept across the area.							
Baylor County	9	7:20P			0	0	?	?		Hail and wind storm
			The severe storms moved into Baylor County, with high winds downing power lines in the Seymour area. Golf ball size hail also occurred in and around Seymour. The extent of damage was not known.							
Grayson County	10	12:00 Midnight	Short narrow		0	0	0	0		Tornado
			A southeastward-moving severe thunderstorm spawned a short-lived tornado near the Sherman Municipal Airport. The tornado, spotted by several policemen did not do any damage. Light to moderate damage did occur from thunderstorm straight line winds, particularly in the Lake Texoma area where boat and boat dock damage occurred. In West Sherman, the roof was blown off a warehouse storage shed. Storm spotters reported golf ball size hail at locations in the Sherman area.							
Cooke and Fannin Counties	10	1:25A 2:50A			0	0	?	?		Windstorms
			Strong thunderstorm winds downed power lines and damaged trees in Cooke and Fannin Counties.							
Collin and Denton Counties	10	2:00A			0	0	4	0		Windstorm
			Light damage occurred to trees, powerlines and a number of boats and boatdocks on Lake Grapevine.							
Northern Dallas County	10	1:50A 2:30A			0	0	?	?		Windstorm
			The squall line produced extensive powerline damage in Northern Dallas County, including North Dallas.							
Dallas, Dallas County	14	5:00P			0	0	?	?		Windstorm
			Thunderstorm winds downed powerlines causing scattered power disruptions in Dallas and Farmers Branch.							
Waco, McLennan	14	Evening			0	0	?	?		Windstorm
			Thunderstorm winds blew several plate glass windows out on the south side of Waco.							
Southern Wise and Northwestern Tarrant Counties	15	3:15P 4:15P			0	0	3	0		Windstorm and lightning
			The severe storm developed near Newark in Wise County shortly after 3 PM producing light wind damage in the area. Civil Defense officials measured 68 MPH winds in Newark at about 3:30 PM. Lightning triggered several grass fires in the same area.							
McKinney, Collin County	17	3:40P			0	0	0	0		Funnel Cloud
			The funnel aloft was sighted by a Sheriff's Deputy.							
Denison, Grayson County	17	Afternoon			0	0	?	?		Windstorm
			High winds downed a number of trees in the Denison area.							
Sulphur Springs, Hopkins County	17	7:30P			0	0	?	?		Urban flooding
			Flooding caused minor street damage in Sulphur Springs.							
ISE Winters, Rannels County	18	1:50P			0	0	0	0		Funnel cloud
			The funnel cloud did not touch down.							
Lake San Rayburn, San Augustine County	25	8:15P			0	0	?	?		Wind and rainstorms
			Minor damage occurred to boats and boatdocks when a severe thunderstorm moved across the lake.							
TEXAS (continued)										
NORTHERN										
Smith County	27	8:00A- 12:00 noon			0	0	5	?		Flash flooding
			The remnants of Tropical Storm Claudette dropped 7 inches of rain in Smith County. Rains began after midnight with flash flooding occurring between 8 AM and noon on the 27th. Several businesses on Highway 271 in Tyler had at least 1 foot of water in them. Three homes on Birdwell Street in Tyler were heavily damaged by 3 to 4 feet of water. Considerable street flooding occurred in town. Bridges were washed out south and north of Tyler with a report that water topped a bridge by 7 feet on Highway 14 north of Tyler.							
Eastern Tarrant County	31	3:00P 3:30P			0	0	4	0		Windstorm
			Strong thunderstorm winds downed power lines in the Hurst Area at 3 PM. Winds gusts overturned a single-engine aircraft that was attempting to land at Arlington Municipal Airport at 3:30 PM. The two occupants were not injured even though the plane was heavily damaged.							
Dallas County	31	3:40P			0	0	?	?		Windstorm
			Amateur radio spotters reported winds to 50 mph at scattered points in the Dallas area. Minor wind damage occurred in the Irving area.							
Brownwood, Brown County	31	8:00P			0	0	?	?		Windstorm
			Winds to 60 mph were recorded at the Brownwood Airport. The amount of damage was apparently light.							
TEXAS SOUTHERN										
NO REPORT RECEIVED										
TEXAS WESTERN										
Kress, Swisher County	5	1:50p	?	?	0	0	0	0		Tornado
			A tornado was reported by the public 11 miles east of Kress, with simultaneous reports by the public in northern Hale County. The size of the tornado was not indicated, and no damage was noted.							
Levelland, Hockley County	5	4:30p			0	0	2	5		Hailstorm
			Extensive damage was reported to cotton crops 3 miles southeast of Levelland. The hail that caused the damage was reported to be pea- to marble-size. The damage path extended generally along Highway 1585 from 6 miles west of Smyer to 6 miles south of Smyer. The width of the path was generally less than one mile. Cotton in the affected area was almost completely destroyed.							
Hartley, Hartley County	7	7:00p			0	0	0	0		Hailstorm
			A brief hailstorm produced marble-sized hail in a small area 5 miles west of Hartley near Rita Blanca Creek. Spotty reports of golfball-sized hail were received from the area. The storm moved south of the town of Hartley and dissipated rapidly.							
Amarillo, Potter County	7	9:10p	?	?	0	0	0	0		Tornado
			The public reported a tornado 15 miles north of Amarillo, just south of the intersection of Highway 287 and the Canadian River. No information was given as to size of the tornado and no damage was reported.							
Dawson County	9	6:00p			0	0	3	6		Wind and Hailstorm
			Hail, reported to be generally marble-sized with some golfball-sized, caused severe damage in southern Dawson County. The damage area extended from 6 miles north of Lamesa southward into northern Martin County. The width of the area was generally about 4 miles. High winds accompanying the storm accentuated the damage and were estimated as high as 90 mph west of Lamesa with 50 mph winds reported in the town. 6,000 acres of cotton were ruined with 25,000 acres damaged.							
Midland, Midland County	9	6:50p			0	0	2	5	0	Wind and Hailstorm
			Just before 7 pm an extremely strong thunderstorm developed just west of the City of Midland. At 6:50 pm marble-to golfball-sized hail was reported along with strong winds near the Belwood Shopping Center in Midland. Similar reports were received one mile southeast of the center of the city in Midland Air Park. At 7:07 pm golfball-sized hail began to fall at the National Weather Service Office just west of the City. Shortly afterward, winds gusts to 75 mph. The combination of the wind and hail knocked windows out at the balloon inflation building and killed a large number of birds around the building. The roof of a restaurant in town caved in with minor injuries to an employee and one customer. Hail was piled one inch deep over much of the city with vegetation stripped bare. The Weather Service Office also reported that due to the cool thunderstorm winds, the temperature dropped from 101 degrees to 56 degrees in less than 15 minutes.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1979

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)									
WESTERN									
Panhandle, Carson County	9	7:07p			0	0	4	5	Hailstorm
Tennis ball-sized hail was reported south of Panhandle following reports of small hail at Claude in Armstrong County and Pampa in Gray County. The damage path lay between Panhandle and Conway with damage reported to maize and corn crops. The damage would have been worse, except wheat in the area had already been harvested. Some damage was also reported to automobiles in the area.									
Odessa, Ector County	9	7:30p			0	0	5	0	Windstorm
Straight-line thunderstorm winds blew the roof off a house and damaged a roof of a lumberyard in the south part of Odessa. Power was also out to the south part of town as 8 poles were knocked down. A mobile home was overturned as the storm moved southeastward, but the occupants of the mobile home escaped uninjured. Heavy rain and small hail accompanied the storm.									
Claude, Armstrong County	9	7:45p			0	0	3	6	Hailstorm
A very strong thunderstorm developed on the east side of Claude and produced hail that damaged crops on the north, east, and south side of the town. The hail was generally marble-sized with some golfball-sized hail also reported. Winds were estimated at 60 to 70 mph. The most severe crop damage began one mile east of town and ran toward the southeast. Here, the hail and high winds combined with 3-inch rains, completely destroyed maize. Partial damage was reported to the north and south. Property damage was confined to minor roof damage and some broken windows.									
Lubbock, Lubbock County	9	7:45p			0	0	0	0	Hailstorm
Marble-sized hail was reported along the eastern portion of 34th Street accompanied by patchy dime-sized hail. No damage was reported.									
Paducah, Cottle County	9	8:50p	1/4	20	0	0	4	0	Tornado
A very small, short-lived tornado was reported first by the public and then confirmed by Civil Defense Spotters 14 miles east of Paducah in open country. The tornado damaged a house before returning to the cloud. The winds accompanying the tornado were estimated at 40 mph. Pea-sized hail was also reported as well as heavy rain.									
Plainview, Hale County	9	8:55p			0	0	6	6	Hailstorm
Large hail was reported over most of Plainview by Civil Defense Spotters in a storm that broke windows, stripped vegetation bare and damaged automobiles. Extensive crop damage was reported to cotton crops on the north side of the city as well. Hail was reported to be as large as baseballs, with the largest and most damaging hail reported on the west and southwest sides of town.									
Matador, Motley County	9	8:55p			0	0	3	0	Windstorm
Brief thunderstorm winds estimated by Civil Defense personnel at 60 mph or greater damaged trees on the south side of Matador. Limbs were broken off the trees with leaves stripped from many trees. No other damage was noted.									
Kent County	9	9:00p	2	50	0	0	5	0	Tornado
A tornado caused considerable damage 14 miles west of Clairmont in Kent County. It took the roof off a barn, moved a mobile home 5 to 6 feet off its foundation, destroyed a shed, and pulled 24 power poles out of the ground. Winds accompanying the storm were estimated at 60 mph.									
Olton, Lamb County	9	9:00p			0	0	0	0	Hailstorm
Golfball-sized hail along with one quarter inch of rain and 40 to 45 mph winds were reported in Olton. No damage was indicated.									
Tahoka, Lynn County	9	9:00p			0	0	4	5	Wind and Hailstorm
Windows were reported knocked out on the northeast side of Tahoka by baseball-sized hail. The damage was confined to an area from one mile northwest of the city to seven miles southeast of the city. High winds blew a cotton trailer across U.S. 380 into a implement building and broke a plate glass window. The combination of the wind and hail caused damage to cotton crops on the northeast side of Tahoka.									
Rotan, Fisher County	9	9:10p	small narrow		0	0	0	0	Tornado
A small, short-lived tornado was spotted by the Sheriff's Department 5 miles northwest of Rotan moving toward the southeast. No damage was indicated.									
Paducah, Cottle County	9	9:10p	1	40	0	0	4	0	Tornado
A small tornado was reported by Civil Defense to have destroyed two wooden and one metal outbuildings just south and west of Paducah. No other damage was noted.									
Dumont, King County	9	9:32p			0	0	3	0	Windstorm
An Amateur Radio Spotter reported some damage to trees in the Dumont area due to straight-line thunderstorm winds estimated at 70 mph or greater. No rain or hail accompanied the storm and no other damage was noted.									

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					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
WESTERN									
Olton, Lamb County	16	4:30p			0	0	3	0	Windstorm
A brief but strong thunderstorm produced winds estimated at 60 to 70 mph, small hail, and heavy rain. The storm caused minor damage to vegetation in the area. Over 2 inches of rain was received in less than one hour.									
Plainview, Hale County	17	2:30p			0	0	0	0	Funnel Clouds
Several small, and short-lived funnels were reported near Plainview by the Civil Defense Office.									
Littlefield, Lamb County	17	3:30p			0	0	0	0	Funnel Clouds
A group of funnel clouds was reported by the public just north of Littlefield.									
Slaton, Lubbock County	18	11:00a			0	0	0	0	Funnel Clouds
Two funnel clouds were reported by the Slaton Police Department just south of the city. They came halfway down toward the ground and returned to the cloud. Two other funnels were reported a short time later just southeast of Slaton.									
Post, Graza County	18	1:00p			0	0	0	0	Flash Flood
The Civil Defense Office in Post reported that 2 inch rains had fallen over a large area of the city and that U.S. 84 had filled rapidly in a low spot. Water was reported to be over one foot deep with cars stalled along the highway.									
Seminole, Gaines County	18	1:33p			0	0	0	0	Funnel Cloud
Spotter-trained employees of Southwestern Public Service reported a funnel cloud 10 miles north of Seminole. The funnel was moving south and was short-lived.									
Terry County	18	2:35p			0	0	0	0	Funnel Clouds
A group of small funnels was reported in open country by the public in southern Terry County.									
Brownfield, Terry County	18	8:00p	?	?	0	0	0	0	Tornado
An unconfirmed tornado was reported by the public 8 miles south of Brownfield. Heavy rain and strong winds were reported as well. No damage was indicated.									
Levelland, Hockley County	18	9:00p			0	0	0	0	Flooding
Numerous cars were reported stalled in the Lobo Lake area along Highway 385 due to heavy rains that caused the lake to overflow its banks. Over 2 inches of rain had been received and water was reported to be one-half foot deep in places. The area remained flooded throughout the night.									
Dawson, Andrews, Martin, and Howard Counties	19	7:45a			0	0	5	3	Flooding
Heavy thunderstorms occurring in the four-county area produced extensive rains totaling generally 2 to 4 inches with several reports of 6 to 8 inches. In Dawson County, U.S. 87 three miles north of Lanasa was under 5 feet of water with traffic blocked in both directions. Farm Roads 825 and 179 just to the west of Lanasa were also closed. In Martin County, 50 persons were forced to evacuate their homes as water flooded the town of Stanton. Some homes had as much as four feet of water in them. In Andrews County, a number of people were also forced to leave their homes as the City Lake overflowed. Minor flooding was also reported in Odessa, Kermit, Big Spring, and Snyder.									
Goldsmith, Ector County	19	11:35a	?	?	0	0	0	0	Tornado
An Amateur Radio Spotter reported a tornado 8 miles northeast of Goldsmith. The tornado was in open country and was not causing damage. No other information was available.									
Adrian, Oldham County	22	5:10p			0	0	5	5	Wind and Hailstorm
Extensive damage was sustained in a wind and hailstorm that struck south of Adrian. Wheat crops which had not yet been harvested were destroyed. Trailer homes were blown over, windows were broken, roofs were blown away, trees were damaged, and soil washed away. Over 4 inches of rain was received with some minor flooding of buildings due to the broken windows. The largest hail size reported was golfball.									
Miami, Roberts County	23	4:15p			0	0	2	0	Windstorm
Straight-line thunderstorm winds gusting to 75 mph uprooted trees near Miami. One inch of rain was received in a short time and Highway 60 was overrun briefly by small creeks east and west of town. A great deal of lightning was reported along with pea- to marble-sized hail.									
Canadian, Hemphill County	23	4:55p	?	?	0	0	0	0	Tornado
The Hemphill County Sheriff reported a tornado just south of Canadian in open country. No damage occurred. At 5:20 pm a tornado was indicated on radar in the same storm 12 miles south-east of Canadian.									

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					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
WESTERN									
Borger, Hutchinson County	23	6:15p			0	0	?	?	Wind and Hailstorm
Winds gusting to 75 mph along with golfball-sized hail were reported in Borger. No information was available as to damages.									
Fricna, Parmer County	23	6:32p			0	0	3	5	Hailstorm
A brief hailstorm was reported at Fricna, with generally marble-sized hail interspersed with golfball-sized hail. Cotton and soybean crops in the area were badly damaged although little damage was reported in the city. Winds in the storm remained light and just under a half-inch of rain was received.									
Amarillo, Potter County	24	4:21p			0	0	0	0	Hailstorm
Very large hail, the size of softballs, fell in the southwest portion of Amarillo for a short period. No damage was reported.									
Spearmen, Hansford County	24	4:55p	?	?	0	0	0	0	Tornadoes
Twin tornadoes were reported by the Spearmen Police Department near the town. The tornadoes were moving toward the northeast at 15 mph. No damage occurred as the tornadoes were traveling over open country.									
Gruver, Hansford County	24	5:32p			0	0	0	0	Funnel Cloud
A funnel cloud was reported by the public 5 miles west of Gruver.									
Fricna, Parmer County	30	7:00p			0	0	0	5	Hailstorm
A thunderstorm dropped pea- to marble-sized hail in a path from 7 miles north of Fricna to just west of Fricna. The width of the path varied from near 1 mile on the north end to near 2 miles on the south end. Over 300 acres of sugarbeets and cotton were destroyed with another 100 acres damaged. A large number of rabbits and pheasant were killed by the hail and accompanying wind. Over 3 inches of rain was received during the storm that left hail piled 3 feet deep in places and left roads glazed with ice.									
Plainview, Hale County	30	7:00p			3	1	0	0	Lightning
Strong thunderstorms developed near Plainview just before 7 pm. A family from La Plata who had been picking cucumbers in a patch near Plainview attempted to outrun the storm in their pickup truck. Four miles east of Plainview lightning struck the vehicle killing the father and two sons who were riding in the open back of the truck. A third son riding with them was injured but recovered. The mother and two sons riding in the cab of the truck were not hurt. The deaths occurred between 7 pm and 7:30 pm.									
El Paso, El Paso County	31	5:20p			0	0	2	0	Wind and Hailstorm
A thunderstorm struck the east side of El Paso, dropping golfball-sized hail and producing wind gusts to 75 mph. Heavy rains accompanying the storm flooded some homes and roads in low areas, and automobiles were stalled along Interstate 10. Power lines were knocked down and numerous electrical fires started by lightning.									
UTAH									
NONE REPORTED									
VERMONT									
NONE REPORTED									
VIRGINIA									
Pittsylvania County	1	1:00 p			0	0	0	5	Hail
Marble-sized hail cut a swath across the county from the vicinity of Callands eastward through the Chatham area and continuing to near Mt. Airy. Over two-dozen tobacco farms reported various damage, from total loss to small portions of their acreage.									
Carroll County	4	4:20 p	1.5	40	0	0	5	0	Tornado
Tornado moved from northwest to southeast, completely removing the roof from one home. It continued on, barely missing another residence but uprooted a number of trees and demolished an outbuilding, before extensively damaging a mobile home. A funnel was sighted by a man who described it as "a huge black cloud with water spraying out of it". Just before it tore the upper portion of his house off. Another incident was told by a man who was apparently caught up in the storm circulation: The pickup truck he was driving was lifted up from the ground and spun around 180 degrees. Other damage included the overturning of several cemetery tombstones, many power lines and telephone poles down, and a concrete block garage destroyed. Total damage estimated at over \$50,000.									
VIRGINIA (continued)									
Buchanan County									
	14-15				2	4	7	4	Rain, Flash Flood
Rain associated with a low center that moved southeastward out of Ohio totaled between 4 and 6 inches late on the 14th to early on the 15th. Severe flash flooding hit the central and northern sections of the county, with streams that were normally two-to-five-feet deep and 15-to-25-feet wide swelling to ten times that size. Flooding began around 4AM hitting the towns of Grundy and Kelsa especially hard. A bar was caught by rushing waters and two of the three occupants were swept to their deaths. Huge landslides blocked roads and many bridges were carried away. Close to 500 families were left homeless, with at least 50 homes totally destroyed and over 300 damaged. In addition, more than 150 vehicles were lost, with the county declaring a Federal Disaster Area. Damage figures were as follows: Private Property - \$5 million; Public Facilities (mainly roads and bridges) - \$3.7 million.									
Bedford County	15	5:00 p			0	0	4	0	Lightning, Wind
Nine head of cattle killed by lightning near Bedford. The animals were standing in a locust thicket on the top of a hill when the bolt struck. Elsewhere in the county two buildings were struck by lightning and set on fire. One, a tobacco barn, received only minor damage, while the other, an unoccupied home, was severely damaged. Wind was responsible for the downing of several trees with subsequent loss of power to about 1,000 homes in the Bedford area. Damage total estimated at near \$50,000.									
East Central	21	Early A.M.			0	0	3	0	Rain
Weak low pressure center developed on a stationary frontal system over southeastern Virginia and resulted in 4 to 5 inches of rain in the Hopewell-Petersburg areas, between 3AM and 5AM. Several roads closed in the Richmond vicinity due to high water, while in Colonial Heights some apartment units were flooded and water rose above the headlights of two automobiles.									
Northern & Western	23				0	0	4	4	Lightning, Wind, Hail
Thunderstorm activity caused damage over scattered sections during the afternoon and evening hours. In Smyth County "birdegg-sized" hail heavily damaged one farm's crops near 2PM and did moderate damage to an adjacent corn field at Seven Mile Ford. Several thousands of dollars wind damage was inflicted upon two greenhouses, along with some damage to a corn crop from wind and hail near Mt Crawford, Rockingham County. At 6:30PM wind tore 4 signs from a restaurant at Port Royal in King George County, and also heavily damaged a metal storage building. Finally, around 7PM near Bedford, 24 head of cattle standing under a tree were killed by a bolt of lightning - with estimated loss at \$12,000. Total damage estimate: Property - \$22,000; Crop - \$25,000.									
Clarke County	25	Afternoon			0	1	5	0	Lightning
Lightning set fire to a large barn, totally destroying it. Man injured slightly when he fell while removing a wagon from the burning building. Total loss, including 7,000 bales of hay inside: around \$110,000.									
Chilhowie, Smyth County	27	6:00 p			0	0	3	0	Rain
Hard rain on already water-logged ground caused local minor flooding. Later, several rural roads were blocked by mud and rock slides near Chilhowie and Seven Mile Ford. An occupant of a mobile home, located on the Holston River, had to be evacuated as waters threatened.									
Northumberland County	29-30				0	0	4	3	Rain
Very humid conditions over the area resulted in up to 11 inches of rain falling late on the 29th into the morning of the 30th. Flooding of creeks caused some washouts of roads, especially in the Heathsville section.									
VIRGIN ISLANDS									
St. Croix	18				0	0	5	0	Tropical Storm Claudette-Heavy Rain
Heavy rains associated with the passage to the north of Tropical Storm Claudette affected the central part of the island where about five inches fell in less than 12 hours. Flooding of several homes occurred in the Mon Bijou area when runoff from Blue Mountain caused a normally dry creek bed (cut) to overflow. About 25 families were evacuated from the Blyn area by Civil Defense. Some damage to roads, homes and household effects was reported.									
11 Miles West of St. Thomas	20	6:45 p.			0	0	0	0	Waterspout

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
WASHINGTON Grant County	1	11:50 AM			0	0	0	0	Tornado
	Tornado first sighted 10 miles south of the Grant County Airport near Moses Lake. Tornado dissipated in less than 5 minutes. No damage or injuries reported. Funnel accompanied by 1/8 inch hail, heavy rain showers and lightning.								
WEST VIRGINIA Camden on Gauley Webster county	1	4:00 pm			0	0	1	0	Thunderstorm Winds
	Several trees blown down due to strong winds.								
Poe, Nicholas co	1	4:45 pm			0	0	?	?	Hail
	Public reported 3/4 inch hail at Poe which is near Summersville Lake.								
Quinwood, Greenbrier co.	1	6:00 pm			0	0	3	?	Hail
	Golf ball size hail fell for a brief period denting cars and breaking windows.								
Webster and Nicholas cos.	16	2-6 am			0	2	6	?	Flash Flooding
	Very slow moving thunderstorms caused flash flooding during the pre dawn hours. Hard hit were the communities of Diana, Grassy Creek and Jumbo in northern Webster county where about 300 families were forced to leave their homes. About 200 residents of Richwood in Nicholas county were also forced to evacuate. Hacker Valley, northern Webster county, received 5.7 inches of rain. In addition to extensive house damage, many roads were blocked due to mud/rock slides. There were two apparent flood-related injuries as one woman received a broken leg and another woman suffered an apparent heart attack in the Diana area. Damage estimate at \$2 million.								
Martinsburg, Berkeley county	20	12:15 pm **220	?		0	0	1	0	Tornado
	A small tornado touched down 3 miles northeast of the Martinsburg airport. Several trees were thrown about.								
Randolph county	22	2:25 pm			0	0	?	?	Hail
	Golf ball size hail fell 10 miles northwest of Elkins.								
Salem, Harrison co.	23	10:45 pm			0	0	0	0	Funnel Cloud
	Cooperative observer at Salem reported a funnel cloud passed over his home.								
Salem, Harrison co.	31	2:43 pm			0	0	2	0	Lightning
	Lightning struck two frame houses in Salem. Damage was minor.								
WISCONSIN Sauk County	7/2	3:30 PM	-	-	2	0	?	?	Lightning & Heavy Rains
	Lightning struck and killed two people at a Lake Delton golf course as a head of intense thunderstorms swept across southern Wisconsin. In addition to the lightning, two to three inches of rain fell in a half hour.								
Douglas & Bayfield Counties	7/2	6:30 to 10:30 PM	-	-	0	0	5	?	Heavy Rain
	A torrential downpour dumped several inches of rain on portions of Douglas and Bayfield counties flooding basements, damaging crops and washing out many streets and highways. Superior appeared to be hit the hardest with extensive damage to homes and businesses due to flooding.								
Jackson County	7/3	1:30 PM	-	-	0	0	?	5	Hail
	Thunderstorms containing hail the size of walnuts pounded portions of Jackson County near Taylor. The hail battered trees, destroyed crops and caused property damage. The area affected most by the large hail extended from Taylor southeastward eight to 10 miles in length and about one mile in width. Most crops in the area were destroyed.								
Buffalo County	7/3	1:42 PM	-	-	0	0	?	?	Heavy Rain High Wind
	Mondovi in northern Buffalo County reported very heavy rain and wind gusts to 60 mph as thunderstorms moved through the area.								
Monroe County	7/3	4:00 PM	-	-	0	0	5	0	Lightning
	Lightning started a fire that destroyed a 100 year old Sparta church as thunderstorms moved through the area late Tuesday afternoon. Damage estimates were difficult due to the age of the structure, but reconstruction will probably cost well over \$100,000.								
WISCONSIN (continued) Crawford County	7/3	5:00 PM	?	?	0	3	?	0	Tornadoes
	Two tornadoes touched down briefly causing damage to property in the rural area of northwest Crawford County. One tornado touched down just east of Ferryville and the other occurred near Seneca. Only minor injuries were reported and hospitalization was not required.								
Waukesha County	7/10	5:00 PM	-	-	0	0	?	?	Severe Thunderstorm
	Strong winds and large hail reported near Plainfield.								
Rock County	7/30	6:25 AM	-	-	0	0	?	?	Severe Thunderstorm
	Very heavy rain and wind gusts to 60 mph reported near Janesville.								
WYOMING Campbell County	4	5:00 p	1	50	0	0	0	0	Tornado
	This confirmed tornado was seen to touch down briefly 8 miles north of Gillette in open country causing no damage.								
Fremont County	16	3:00 p	-	-	1	0	0	0	Lightning
	A woman was struck by lightning and killed instantly after she climbed to the top of 11,884 foot Pingora Peak, 28 miles west of Lander. Other members of the climbing party were not injured.								
Laramie County	16	3:25 p	8	80	1	40	7	0	Tornado
	The most damaging tornado in the history of Wyoming rapidly developed from a moderate thunderstorm and moved through the north portion of Cheyenne housing and airport areas. Damage included four C-130 aircraft and National Guard ground equipment (\$12 million est.), City-owned airport hangars and building damage (\$10 million est.), 140 homes destroyed, 100 homes with major damage, 228 homes with lesser damage, and 17 trailer homes destroyed (\$18 million est.). One of these trailer homes contained a family when destroyed, killing a 14-month old boy and severely injuring the mother and a second child. All other injuries were minor.								
Laramie County	16	3:55 p	1	50	0	0	1	0	Tornado
	A second and much weaker tornado was evident during the above Cheyenne disaster in the east portion of town. This tornado did only very minor damage.								
Goshen County	19	Afternoon	12	2200	0	0	5	C	Hail
	A severe thunderstorm dumped baseball- to softball-sized hail in Fort Laramie, doing extensive damage to vehicles and buildings in the town and to surrounding wheat fields.								
Washakie County	22	3:30 p	15	2500	0	0	5	C	Flash flood and High Winds
	Thunderstorms caused a flash flood 4 miles northwest of Norland, damaging their water supply canal (\$50,000 est.). High winds with this storm also caused another \$20,000 damage to several farm shops and a grain bin.								
Campbell County	22	8:00 p	1	50	0	0	0	0	Tornado
	An agrline pilot reported seeing a tornado briefly touch down 15 miles northwest of Gillette. No damage was done.								
Sheridan County	25	8:30 p	10	2000	0	0	6	C	Hail
	"Extensive" damage to several school buildings, homes and vehicles occurred when a severe evening thunderstorm dumped golfball- to baseball-sized hail over portions of the city and nearby wheat fields.								
Campbell County	26	8:00 p	1	50	0	0	0	0	4 Tornadoes
	Heavy thunderstorms in the Gillette area spawned 4 separate tornadoes that were each seen to briefly touch the ground by both the Sheriff's Department and nearby oil field crews. Since each tornado was in open country, there was no damage done.								
Converse County	27	8:20 p	1	50	0	0	0	0	3 Tornadoes
	Evening thunderstorms in the Glenrock area caused 3 separate tornadoes that were seen to briefly touch down in open fields causing no damage.								
Natrona County	27	9:10 p	1	50	0	0	0	0	Tornado
	A tornado was reported to have touched down two miles west of the Natrona County International Airport in an open area causing no damage.								
Converse County	27	10:35 p	1	50	0	0	0	0	Tornado
	A late evening thunderstorm developed a tornado verified five miles west of Douglas. This tornado caused no damage as it briefly touched down in an open area.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1979

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM	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							KILLED	INJURED	PROPERTY	CROPS	
WYOMING (continued)																			
Laramie County	28	2:30 p	4	2800	0	0	0	2	Hail										
		Over 1500 acres of wheat was badly damaged by hail near the Pine Bluffs area. Size of the hail was not noted in the damage report.																	
Campbell County	28	9:50 p	1	50	0	0	0	0	2 Tornadoes										
		Late evening thunderstorms developed two tornadoes seen to touch the ground near Gillette and causing only minor damage to trees and vegetation.																	
Crook County	28	11:00 p	1	50	0	0	0	0	Tornado										
		A tornado was reported to have briefly touched down near Devils Tower causing no damage.																	
Laramie County	30	1:30 p	1	50	0	0	3	0	2 Tornadoes										
		As a large severe thunderstorm approached Cheyenne, two tornadoes and several funnel clouds were seen just west of town. One of the tornadoes did some damage to buildings on a ranch 8 miles west of Cheyenne. The second tornado was near some housing but caused no damage.																	
Laramie County	30	1:50 p	5	3500	0	0	5	0	Hail										
		The extremely large and intense thunderstorm moving through the Cheyenne area caused extensive hail damage to cars and homes and city buildings. Hail of up to 2 inches in diameter was verified in town with reports of baseball-sized hail south of the city.																	
GEORGIA																			
Cook Co.	4	7P			0	0	3	0	Wind										
		Strong thunderstorm winds uprooted trees and caused some property damage.																	
Morgan Co.	5	130P			0	0	4	0	Wind										
		Strong thunderstorm winds uprooted trees and destroyed a mobile home.																	
Bryan Co.	5	215P	short	50	0	0	3	0	Tornado										
		A mini-tornado overturned sheds and caused roof damage in Ellabell. Witnesses spotted the funnel.																	
Decatur Co.	5	4P			0	0	3	?	Wind, hail										
		A strong thunderstorm with greater than marble sized hail struck Bathbridge. Damage was done to corn crop and some roofs.																	
Miller Co.	5	445P			0	2	4	?	Wind										
		Strong thunderstorm winds destroyed 2 mobile homes resting on blocks, blowing them 100 ft. Many trees were damaged as well as crops. Two people were injured in one of the mobile homes.																	
Walton, Jackson, Hall, & Morgan Counties	6	1230P			0	0	4	?	Wind										
		Strong thunderstorm winds knocked down trees and some power lines in several counties. Some crop damaged resulted from marble sized hail.																	
Coweta Co.	12	1045A	short	50	0	0	3	0	Waterspout-Tornado										
		A waterspout formed over a lake near Newnan and moved onshore, causing minor damage to a house. Several witnesses saw the event.																	
Hall Co.	15	unk			0	2	0	0	Lightning										
		Two people were injured by lightning in Gainesville.																	
Barker Co.	16	945P			1	0	0	0	Lightning										
		A woman was struck and killed by lightning while lying in bed.																	
Chatham Co.	17	1110A			0	1	3	0	Wind, lightning										
		A strong thunderstorm struck Travis Field in Savannah producing 53 mph gusts and 1 1/2 inches of rain in 45 minutes. One person was injured as lightning struck the nearby pavement.																	
Twiggs Co.	20	8P			0	1	0	0	Lightning										
		A person was injured by a lightning strike in Warner Robins.																	
Banks Co.	24	?			0	2	0	0	Lightning										
		Two people were injured by lightning in Alto.																	
Green Co.	?	?			0	1	0	0	Lightning										
		A person was injured by lightning strike in Greensboro																	

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	

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	

THE FOLLOWING ARE LATE REPORTS, CORRECTIONS, AND DELETIONS:

LATE REPORTS									
KANSAS									
Shawnee County	4	5:15 p	JUNE 1979				3	0	Hail
A thunderstorm moving east-southeast was accompanied by gusty wind, heavy showers and some hail. Hailstones to 1-1/4 inches in diameter were reported in portions of southeast Topeka. Minor damage was to roofs and trees.									
Leavenworth and Johnson Counties	4	5:30 p					5	4	Wind, rain, lightning
Strong thunderstorms moving southeast produced damaging winds, heavy rain, and some hail. Wind gusts to 69 mph were reported in Leavenworth, and to 70 mph in Kansas City. Considerable damage was caused to utility lines, houses, and automobiles by falling trees and tree limbs. Heavy local rain of 1 to 4 inches caused flash flooding and water damage, mostly in urban areas. Several trees were damaged, and minor house fires caused by lightning. Wind and water damage to crops was minor.									
Sedgwick and Butler Counties	6	7:00 p					4	0	Wind
Thunderstorms moving northeast produced locally damaging winds with gusts to 53 mph at Wichita airport. Damage was to trees and utility lines with some farm buildings damaged near Leon. Local hail to 1/2 inch in diameter was reported with no significant damage.									
Stevens County	7	10:30 p					5	5	Hail, wind
Strong thunderstorms moving east-northeast through the northeast portion of the county produced damaging hail was large as 2-1/2 inches in diameter and strong winds. Damage was to homes, mobile homes, farm buildings and machinery, and irrigation systems.									
Meade County	8	11:00 a					5	5	Hail
Hail associated with thunderstorms moving northeast through the west portion of the county caused considerable damage in the vicinity of Elains. Damage was to roofs, windows, trees, gardens, and crops.									
Butler and Cowley Counties	8	3:00 a					6	6	Heavy rain
Heavy rains the evening of June 7th over Marion, Chase, and north Butler Counties caused flooding along the Walnut River valley. Rapid flooding reached Eldorado at 3 AM on June 8, Augusta on the 9th and Winfield on the 10th. 500 persons were evacuated in Eldorado and about 1500 were forced to evacuate in Augusta. Water damage was to businesses, residences, and lowland crops.									
Wallace County	8	5:30 p					4	5	Hail, wind
Thunderstorms moving northeast produced strong damaging winds and hail locally to 1-3/4 inches in diameter. Damage to farm buildings was minor.									
Greeley and Wichita Counties	15	7:13 p					4	5	Hail, wind
Severe thunderstorms developed over southeast Greeley County and moved east. Hail of 1/2 to 1-3/4 inches in diameter covered the ground in some places and was accompanied by strong gusty winds. Property damage was minor but crops were damaged in a path 3 to 4 miles wide in a west to east direction.									
Wallace County	16	8:00 p					4	6	Hail, wind
A thunderstorm accompanied by hail and strong winds moved southeast through the north portion of the county. Although property damage was minor, an estimated 8300 acres of wheat was destroyed.									
Graham County	16	11:30 p	5	33	0	0	6	0	Tornado
A tornado touched down 3 miles north of St. Peter and moved east-northeast for about five miles on the ground about 20 percent of the time. Extensive damage was caused to farm homes and buildings, mostly north of St. Peter.									
Graham County	16	11:00 p - 17	11:00 a				5	5	Hail, wind
Severe thunderstorms moved east through the county causing damage to homes, farm buildings, and utility lines. Winds to 80 mph were reported and hail ranged up to 3 inches in diameter.									
Republic County	19	2:20 p	*60	30	0	0	4	0	Tornado
Tornado touched down briefly west of Courtland causing damage to farm buildings, trees, power lines, and grain storage buildings.									
Republic County	19	3:00 p	**50	30	0	0	4	0	Tornado
Tornado touched down briefly at Wayne causing damage to grain storage buildings, trees, and farm buildings. In addition to this tornado and the one above, several funnel clouds were reported, but none known to touch down.									

LATE REPORTS											
KANSAS (continued)											
Butler County	19	4:00 p	**180	70	0	0	4	0	Tornado		
A storm believed to be a tornado struck a farm 4 miles southeast of Douglass and carried debris off to the northeast. A barn and trees were destroyed and other farm buildings and equipment were damaged.											
Dickenson County	19	4:00 p					5	?	Wind		
Thunderstorms moving northeast were accompanied by strong, gusty winds, some in excess of 70 mph. Damage in the Abilene area was to trees, power lines, buildings, and mobile homes.											
Morris, Lyon, and Coffey Counties	19	4:05 - 7:00 p					0	2	6	4	Wind, hail
A small line oriented northeast-southwest moved east through northeast Kansas with individual thunderstorms moving northeast. Locally damaging winds, heavy showers, and some hail were reported from southeast Morris County across Lyon County to southeast Coffey County. Wind damage was to buildings, mobile homes, trees, and utility lines. Most significant was damage to a school building at Dunlap and 3 mobile homes in Hartford. Two persons were injured in one of the overturned mobile homes. Some hail to over 3 inches in diameter was reported near Lebo with heavy crop damage over a small area.											
Sumner County	21	4:00 p					4	3	Hail		
Thunderstorms moving north-northeast produced local hail, gusty winds, and heavy showers. Hail to 1-1/2 inches in diameter was reported at Wellington. Damage was to trees, roofs, and automobiles with some windshields shattered. Minor damage to standing wheat was reported.											
Ellsworth and Rice Counties	21	8:00 p					4	6	Hail		
Thunderstorms moving east through Ellsworth and northern Rice Counties produced hailstones from 1/2 to 4 inches in diameter. Damage was to trees and homes. Crop damage was heavy with some fields, mostly wheat, suffering as much as 100 percent damage.											
Sedgwick County	21	7:16 p					4	3	Hail		
Thunderstorms moving northeast produced local hail from one to over 3 inches in diameter in north portion of the county. Damage was to house roofs, windows, and trees. Car windshields were shattered. Minor damage was reported to standing wheat.											
Northeast section	21	9:00 - 11:00 p					6	5	Wind, Lightning		
Thunderstorms moving east-northeast through northeast Kansas produced locally damaging winds of 50 to 60 mph. Gusts to 70 mph were reported at Marshall Field near Junction City. Intense lightning accompanied the thunderstorms causing minor damage and a few small fires. Scattered damage was from uprooted trees and falling tree limbs which caused damage to buildings, homes, utility lines, and automobiles. Three mobile homes were extensively damaged at Grandview Plaza near Junction City and scattered damage occurred north of the Kansas river valley to east of Topeka. Crop damage could not be accurately determined.											
Ford County	22	5:40 p	3	25	0	0	0	0	0	Tornado	
Rope-like tornado touched down in open country 5 miles south-southwest of Dodge City and moved northeast for about three miles.											
Ford County	22	5:50 p	1/4	13	0	0	3	0	Tornado		
Tornado touched down briefly 5 miles northeast of Bucklin, near the Kiowa County line, and lifted northeast. Minor damage was to farm outbuildings.											
Ford County	22	6:00 p					5	5	Hail, wind		
Thunderstorms moving northeast produced gusty winds and hail up to 1-1/2 inches in diameter. Damage was greatest in southeast portion of the county around Bucklin. (Slightly different time and location from the tornado listed above.)											
Hodgeman County	27	4:30 p							Funnel cloud		
A funnel cloud was observed briefly 10 miles northwest of Jetmore.											
Jewell, Mitchell and Lincoln Counties	27	6:00 p					5	6	Hail, wind		
Strong winds, heavy rain, and hail accompanied thunderstorms moving south-southeast through all three counties producing strips of heavy damage. Minor damage and small fires were caused by lightning. Damage was to farm homes, buildings, and equipment. Hail of 1/2 to over 1-3/4 inches in diameter reduced standing wheat to stubble about three inches high.											
Cheyenne County	27	10:00 p					4	5	Hail, wind		
Strong thunderstorms in the northwest portion of the county produced a damage path a mile wide for 16 miles from northwest to southeast. Strong winds and considerable hail caused damage to crops, trees, and buildings. A few head of livestock were killed by lightning.											

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									
KANSAS (continued)									
	JUNE 1979 SPECIAL HAIL SUMMARY								
	Hail loss clearing house reports indicate hail was especially severe on the following dates, and in the following counties:								
	4	Clay, Dickinson							
	7	Morton, Reno, Russell, Seward, Stevens							
	8	Meade, Reno							
	15	Wichita							
	16	Logan, Sheridan, Wallace							
	17	Graham							
	18	Jewell							
	19	Clay, Cloud, Cowley, Dickinson, Greenwood, Jewell, McPherson, Marshall, Ottawa, Republic, Saline, Sumner, Washington							
	21	Barton, Clay, Cloud, Dickinson, Ellsworth, Harper, Harvey, Jewell, Kingman, Labette, Lincoln, McPherson, Marion, Mitchell, Morris, Osborne, Ottawa, Reno, Republic, Rice, Russell, Saline, Sedgwick, Sumner							
	22	Butler, Clark, Cloud, Dickinson, Edwards, Ford, Harvey, Kingman, Kiowa, McPherson, Marion, Ottawa, Pawnee, Reno, Rush, Saline, Sedgwick, Sheridan, Sherman, Stafford, Sumner							
	27	Ellsworth, Ford, Jewell, Lincoln, Marshall, Mitchell, Osborne, Ottawa, Smith							
MONTANA Wibaux County	30	10 PM	?	?	0	0	0	0	Tornado
VIRGINIA Newland, Westmoreland County	30	5:00 p			0	0	4	0	Wind
	Strong winds associated with an approaching cold front tore a large portion of the roof from a church. Estimated damage around \$5,000.								
WISCONSIN Northern Trempealeau and Southern Eau Claire County	6/16	3:00 to 4:00 PM CST	20	?	0	0	6	?	Tornado
	A path of destruction marked by damaged buildings and fallen trees is what remains in the wake of a tornado that swept from near Eleva to the Augusta area. The tornado passed south of Eleva and north of Strum, striking many homes and farms as it moved east-northeast toward Augusta. Despite extensive property damage, no deaths or injuries were reported.								
Eastern Lincoln County	6/16	3:30 to 4:00 PM CST	-	-	0	0	?	?	Severe Thunderstorm
	A series of severe thunderstorms marked by torrential rains and high winds ripped wide areas of Lincoln County inundating parts of the county and damaging or destroying several buildings in rural areas.								
Eastern Lincoln County	6/16	3:40 PM CST	?	?	0	0	?	?	Tornado
	A tornado was reported one-half mile south of the Lincoln Hills school near Irma. Several buildings were damaged at the school and windows of approximately 50 automobiles parked at the school were blown out apparently by the tornado.								
Eastern Lincoln County	6/16	3:30 PM to 3:45 PM CST	?	?	0	0	?	?	Tornado
	A tornado was reported near Larson Lake in the Township of Birch knocking down trees and destroying several barns in the area.								
	NOTE: Times reported in June 1979 data were CDT.								
CORRECTIONS									
OKLAHOMA									
Custer and Washita Counties	21	8:30p	short	narrow	0	0	?	?	Tornado, Hail, Lightning Strike
	A tornado touched down briefly in a rural area southwest of Arapaho at about 8:30 pm. Baseball size hail was reported in the same area. Around 9:30 pm, baseball size hail occurred at Weatherford and at Colony a few minutes later. Lightning caused numerous fires in the wheat fields.								
RHODE ISLAND									
	18	5-6:30PM			0	1	4	0	Lightning
	Lightning struck a crane and threw its operator to the ground. Among the six structures that were hit was a restaurant cupola, the roof of a hospital, several houses and chimneys.								
DELETE OKLAHOMA									
Custer and Washita Counties	21	8:30p			0	0	?	?	Hail, Funnel, Lightning Strike
	Baseball size hail damaged wheat fields in the area and a funnel was reported southwest of Arapaho at 8:30 pm. Around 9:30 pm, baseball size hail occurred at Weatherford and at Colony a few minutes later. Lightning caused numerous fires in the wheat fields.								
O	Includes crop damage.								
C	Crop damage.								
*	Miles instead of yards.								
**	Yards instead of miles.								
†	Storm damages are placed in categories varying from 1 to 9 as follows:								
	1 Less than \$50								
	2 \$50 to \$500								
	3 \$500 to \$5,000								
	4 \$5,000 to \$50,000								
	5 \$50,000 to \$500,000								
	6 \$500,000 to \$5 Million								
	7 \$5 Million to \$50 Million								
	8 \$50 Million to \$500 Million								
	9 \$500 Million to \$5 Billion								
	Note: This publication contains our best information on storms but, due to the difficulties inherent in collection of the type of data, it is not all inclusive. Late Reports and Corrections will be carried in the month following receipt of these data.								
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