

MARCH 1977

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# STORM DATA



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

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>ALABAMA</b>									
Montgomery County	4	2:15a			0	0	3	0	Wind Gust
									Wind gust to 64 mph in thunderstorm pushed airliner into Terminal Building.
Autauga and Elmore Counties	29	3:00p	20	50	0	2	5	0	Tornado
									Tornado crossed from Autauga County into Elmore County and across Lake Jordan. Skipping path for 20 miles. Destroyed several houses and mobile homes at Fish Camp on Lake Jordan. Damaged school at Dearville.
DeKalb County	29	8:15a	8	50	0	2	5	0	Tornado
									Small tornado associated with severe thunderstorms crossed DeKalb County with a skipping path and caused considerable damage in Geraldine. Three houses and two mobile homes destroyed and 11 farm buildings destroyed. Two persons injured.
DeKalb County	29	8:35a	2.5	50	0	1	4	0	Tornado
									Small tornado associated with severe thunderstorms caused damage in the community of Fisher's Crossroads. One mobile home destroyed, one person injured.
Lee County	31	Noon			1	0	?	0	Heavy Rain
									One death in truck-train collision caused by poor visibility in torrential rain.
<b>ALASKA</b>									
Eastern Aleutians and Alaska Peninsula	1				0	0	5	0	Wind and rough seas
									A storm moving eastward on a track south of the Aleutians spread strong southeast winds over the eastern Aleutians and the Alaska Peninsula on the morning of March 1. The 85-foot fishing vessel "Viking Rover" began sinking in 50 knot winds and 10 to 14 foot seas on the afternoon of March 1. Strongest winds reported in the area were southeast up to 55 knots. The vessel sank by evening. All of the crew was rescued.
Aleutian Islands and Southwest Alaska	14-15				0	0	5	0	Wind
									A powerful storm moved northeastward through the central Aleutians on March 14 and into the northeast Bering Sea on March 15. Strong winds were caused throughout the Aleutians on March 14 and over all sections of western Alaska on March 15. South winds gusting as high as 60 knots at Bethel on the afternoon of March 15 caused damage to buildings and other structures.
<b>ARIZONA</b>									
Luke AFB Maricopa County	25	12:55-1:00 p.	1	20	0	0	0	0	Tornado
									Pilot on ground reported tornado about 2 miles west-southwest of Luke AFB, moved north and lifted into cloud.
<b>ARKANSAS</b>									
Walnut Ridge - Lawrence County	11	6:58 a.			0	0	0	0	Hail
									Intense thunderstorms moving through the area produced hail up to 1-3/4 inches in diameter. No damage was reported.
1 Mile North of Alma - Crawford County	11	8:56 a.							Funnel Cloud
									Public reported a funnel cloud moving toward the northeast.
Daisy - Pike County	11	12:30 p.			0	0	0	0	Winds
									Intense thunderstorms moving through the area produced winds of up to 60 mph. No damage was reported.
Hot Springs - Garland County	11	1:09 p.	2	25	0	0	4	0	Tornado
									A tornado moving toward the northeast briefly touched down in eastern Hot Springs. Storm hit Eastside School but only caused minor damage. Damage to trees, roofs, and autos also.
Houston - Perry County	11	1:30 p.			0	0	4	0	Wind
									Winds generated by strong thunderstorms moving through the area totally destroyed a house in Houston.
Conway, Faulkner, Northern Pulaski, and Grant Counties	11	2:00 p. to 2:10 p.							Funnel Clouds
									Several funnel clouds were reported as a line of thunderstorms moved through the area. Funnels were reported in the following areas: Bono, on the Perry-Conway County line, near the Morgan I-40 Interchange, and near Sheridan. These funnel clouds were moving in a northeasterly direction.
Just North of Manifee - Conway County	11	2:30 p.	1/2	20	0	0	0	0	Tornado
									A tornado briefly touched down just north of Manifee in open country. No damage was reported.
<b>ARKANSAS (continued)</b>									
Near Fordyce - Dallas County	11	2:40 p.			0	0	3	0	Wind
									Thunderstorms moving through the area generated very strong winds that damaged a 500,000 volt Arkansas Power and Light Company transmission line. No other damage was reported.
Pottsville - Pope County	11	2:40 p.			0	0	3	0	Wind
									Strong winds generated by the thunderstorms moving through the area destroyed one new house and unroofed several others. Considerable tree damage also occurred.
Little Rock - Pulaski County	11	2:49 p.			0	0	3	0	Wind
									Strong winds up to 65 mph were generated by a line of thunderstorms moving through the area. A large glass window was blown out in downtown Little Rock. Other minor damage was also reported. One-quarter inch hail fell at the Train Station.
Just East of Monticello - Drew County	11	3:50 p.							Funnel Cloud
									Several Storm Spotters reported a funnel cloud just east of Monticello moving toward the northeast.
Des Arc - Prairie County	11	4:15 p.			0	0	5	0	Winds
									A line of thunderstorms moving through the area generated very strong winds. Two houses were destroyed, several homes were unroofed, and there was considerable tree damage. Damage was estimated to be just over fifty-thousand dollars.
15 Miles South of Des Arc - Prairie County	11	4:30 p.	1/2	20	0	0	0	0	Tornado
									A tornado was reported by the Arkansas State Police as it briefly touched down in open country. No damage was reported.
Near Montrose - Ashley County	11	5:30 p.							Funnel Cloud
									Public reported funnel cloud near Montrose moving toward the northeast.
Jonesboro - Craighead County	11	6:23 p.			0	0	0	0	Wind
									Strong thunderstorms moving through the area generated winds up to 58 mph, however no damage was reported.
Batesville - Independence County	18	12:45 a.			0	0	3	0	Winds
									Thunderstorms moving through the area generated winds up to 60 mph. One mobile home was turned over, a large plate glass window was broken and several small outbuildings sustained damage.
Several Counties in Western, North-Central, and North-east Arkansas	27	27 - all day to 28 - 8:00 a.			1	0	6	0	Heavy Rain
									Heavy rain from 7 to 9 inches falling on already rain soaked areas for about 36 hours caused considerable damage to roads, bridges, buildings, etc. One young man drowned in Richland Creek in Searcy County after his boat overturned. Clinton (Van Buren County) was the town hardest hit by flooding. Over 300 cattle drowned in low-lying areas. Total damage was over 2 million dollars.
Coal Hill - Johnson County	27	10:00 a.			0	2	4	0	Winds
									Thunderstorm moving through the area generated strong winds. A new mobile home was destroyed and this is where the two injuries occurred. Also damage to several barns in the area.
El Dorado - Union County	28	12:50 a.							Funnel Cloud
									Police reported a funnel cloud just east of El Dorado moving toward the northeast.
Eudora - Chicot County	28	2:30 a.	1-1/4	100	0	1	4	0	Tornado
									A tornado touched down briefly damaging 20 homes; also, considerable tree damage. Movement was toward the northeast.
<b>CALIFORNIA</b>									
NORTHERN & CENTRAL NONE REPORTED									

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					KILLED	INJURED	PROPERTY	CROPS	
<b>CALIFORNIA (continued)</b>									
SOUTHERN Santa Barbara to Mexican Border	1								Winds
									High winds were reported along the coastal areas with gusts as high as 86 M.P.H. Schools were dismissed early in the Mojave area because of 86 M.P.H. winds.
Orange County	16	0930							Waterspout/Wind
									A waterspout was reported in the Newport area and did some minor damage to a boat dock.
	16	1830	8	unk	0	4	6	0	Tornado and high winds
									int. A tornado touched down several times during its 8 mile path from Fullerton to Brea. The actual width of the tornado is unknown but wind damage ranged from several feet to as much as 2,000 feet at the widest point. Damage included 80 houses, 19 business buildings, 16 autos, numerous power and transformer poles and many trees.
Inyo County	23								Winds
									June Lake reported 70 knot winds. Mammoth Lakes Airport was closed by winds of 65 knots. Bishop Airport had peak winds of 51 knots which damaged an air line hangar door.
<b>COLORADO</b>									
East foothills and eastern plains	10-11				9	1	7	7	Blizzard and dust storm
									Three persons were killed when their truck skidded on ice and overturned near Greeley. A man froze to death one-half mile from his home in Daconed after his car ran off the road and stalled in a snow drift. Three children froze to death in El Paso County while trying to walk from one farmhouse to another. Two men froze to death after their tow truck stalled in drifting snow near Colorado Springs. A girl was injured when wind blew pieces of a window into her eyes. Winds of 60 to 80 MPH were widespread over the plains, causing snow drifts of 16 feet at Colorado Springs; and many drifts of 8 to 16 feet were reported, with up to 25 feet in northeastern Colorado. Roads and schools were closed in most areas, with hundreds of travelers stranded. There were widespread outages of electric power and telephones, lasting several days to weeks. 150 telephone poles were broken between Julesburg and Sedgewick. Many stockmen were without power for water pumps and feed grinders, and livestock deaths were in the thousands. On the second day of the storm, winds of over 100 MPH were reported near the foothills as a dust storm followed the blizzard. Winds of 90 MPH tore the roof from the NWS office at Pueblo, and damage to structures was widespread over the plains. Snowfall was estimated from 4 to 12 inches over the northeast plains and only 1 to 4 inches over the southeast plains. Wind erosion and dust damaged thousands of acres of crop land in the southeast plains. The storm left heavy snows over and near the Continental Divide and on the east slopes of the mountains. Eight inches of snow fell at Denver; 12 at Colorado Springs; with amounts of 12 to 30 inches over the east slopes.
Limon (Lincoln County)	18	1455	1.5	65	0	0			Tornado
									Sighted by Highway Patrol, public, and NWS observer near Limon.
Limon	18	1455	1.5	65	0	0			Tornado
									Sighted together with the preceding tornado. Both well defined.
Washington County	18	1610	0.1	40	0	0			Tornado
									Sighted by Highway Patrol near Lindon and Anton (25 miles south of Akron). Touched down briefly.
<b>CONNECTICUT</b>									
Northern portions	18	All Day			0	0	0	0	Heavy snow
									4 to 8 inches of heavy wet snow snarled cities and streets depleting the final dollar from snow removal budgets.
All state	22	All Day			0	0	5	0	High winds heavy rain heavy snow
									A strong coastal storm brought high winds and blew the roofs off two large apartment buildings in Groton. Several wind gusts of 80 MPH were reported. There was much tree damage and many windows were blown out. Between 3 and 5 inches of rain hit the south and 1 foot of snow blasted the northwest. Norfolk reported 33 inches and nearly two feet fell in Colebrook. In Westport a roof was blown off an office building and deposited upon a gas station.
<b>DELAWARE</b>									
Marydel (4E), Kent County	13	7:20 p	1	30	0	0	4	0	Tornado
									Tornado first dipped down in the Greenbriar development where siding and shingles were ripped loose from around 10 homes; a large willow tree uprooted; and at least four fences flattened. It then lifted and dropped down again one mile away as it continued in a WSW to ENE direction, tearing a barn from its foundation on Kent Rte 101. Total damage estimated at \$15-20,000.
Dover vicinity, Kent County	18-19	Night to Early a.m.			0	1	4	0	Wind
									Winds gusted up to 90 mph or more doing damage to trees and utility lines. Portion of irrigation pipe blew across highway and struck four cars in its path. State Police trooper suffered cuts when attempting to control a flying piece of pipe. Shortly after midnight a trailer home was "devastated" when tree limbs crashed through the roof. Family narrowly escaped injury.
New Castle County	22	All Day			0	0	3	0	Rain, Flooding
									Nearly two and one third inches of rain produced flooding of many streets and adjacent roadways, along with accumulation of water in many basements.
<b>FLORIDA</b>									
SARASOTA, SARASOTE CO.	13	125 PM EST			0	0	0	0	WATERSPOUT
									A WATERSPOUT WAS OBSERVED 10 MILES WEST OF SARASOTA.
<b>GEORGIA</b>									
NE Gordon County	30	11:00 am	10	400	0	0	5	3	Tornado
									Tornado touched down northwest of Red Bud and travelled ENE about 50 mph toward Oakman. In all, 2 homes, 6 service buildings, 1 airplane and 3 chicken houses had major damage, in addition to timber damage. Damage estimated at \$80,000.
Gilmer County	30	11:30 pm	2	100	0	4	5	0	Tornado
									Perhaps same as above or related tornado hit in southern Gilmer County near Whitestone, GA, approximately 9 miles south of Ellijay. Moved ENE 50 mph. Initially destroyed 2 mobile homes along Hwy 5 (slightly injuring 4 people), then destroyed 2 more mobile homes, damaged 3 others, and heavily damaged 8 service buildings. Damage estimated at \$90,000.
Butts & Jasper Counties	30	2:00 pm			0	0	4	3	Wind
									High winds described as a "possible tornado" destroyed 1 mobile home, a garage and a barn in Butts County; uprooted trees and knocked down power poles and wires in Monticello. Damage estimated at \$50,000.
Rabun County	30	3:00 pm			0	0	3	0	Wind
									Scattered barn and chicken house damage in county.
Banks County	30	5:00 pm			0	0	3	0	Lightning
									\$800 property damage reported.
Crawford County	30	7:30 pm			0	0	4	0	Lightning
									One house totally destroyed by resultant fire (\$20,000 loss).
Crawford County	30	7:50 pm			0	1	4	0	Wind
									Mobile home overturned injuring 1 man. Other damage in Zenith vicinity included house roof, trailers, trees, and peach trees. Hail accompanied storm.
Peach & Crawford Counties	30	8:00 pm			0	0	0	6	Hail
									USDA estimated 4,000 acres affected in Peach County; 3,000 acres of peaches with moderate to slight damage, and 1,000 acres of pecans with moderate to slight damage.
									USDA estimated 2,065 acres affected in Crawford County. 1,200 acres of peaches severely damaged. 500 acres of peaches moderately damaged. 300 acres of pecans moderately damaged—30 trees uprooted. 65 acres of wheat moderate to heavy damage. Estimated loss around \$1,000,000.
Cochran, Bleckley County	30	9:30 pm			0	0	5	3	Hail
									Hail to golf ball size damaged roofs and autos in Cochran and county as storm moved west to east across middle of county.

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<b>HAWAII</b> Maunalei Heights, Oahu	7	1a.			0	0	4				High winds
											Trade winds, persistent and intermittently strong, dominated the weather from February 21 to March 25 after near absence of 2 months. Roof of home under construction blown by gale-force winds through roof of neighboring home.
Agriculture Park near Molokai Airport, Molokai	10	?	?	?	0	0	0	0			Possible tornado
1/2 mi N of Makapuu Point, Oahu	20	12:45p.			0	3	4				High winds and sea
											33-foot sailboat smashed onto rocks and destroyed after being engulfed by high wave driven by strong winds during annual Rabbit Island Yacht Race.
10 mi ESE Lihue Airport, Kauai	26	6:54a.-7:03a.									Waterspout
<b>IDAHO</b> Boise, Ada County	23	2:30 p.			0	0	3	0			Wind
											Strong wind gusts associated with a cold front blew away part of the roof of the service center of a car dealer and damaged 7 used cars parked nearby. Three heating and air conditioning units, as well as a television antenna on the roof, were damaged.
Southern Idaho	27	Afternoon			0	0	5	0			Wind
											Strong winds associated with a cold front caused scattered damage to small buildings, roofs, trees and utilities across southern Idaho. Scores of traffic accidents, some causing injuries, were caused by the winds mainly from reduced visibility in blowing dust. Small metal buildings were blown away and roofs and utility lines damaged in the Caldwell and Hilderton areas of Canyon County. A 40-foot mobile home was totally destroyed when it and the towing vehicle were blown off the road 5 miles south of Midvale, Washington County. Winds in Boise ripped a new roof off four stores in the Cole Shopping Center causing thousands of dollars in damage. Two hangars collapsed at Mountain Home Municipal Airport, Elmore County, and one damaged an airplane. Also, other structures received thousands of dollars damage in the area. In the Twin Falls area, Twin Falls County, a roof was torn off a trailer house, windows and signs damaged, and power lines and equipment received several thousand dollars of damage. Also, more than 50 persons were treated at three area hospitals for injuries in traffic accidents. At one point during the afternoon, all major highways from Twin Falls were closed because of zero visibility. At Rexburg, Madison County, the roof of a new hospital was lifted off its support. Scattered, mostly minor, damage was reported at numerous locations across the State from near the southern border to as far north as Salmon, Lemhi County. Wind speeds were officially clocked at 69 m.p.h. at Twin Falls, 53 m.p.h. at Boise, and 45 m.p.h. at Pocatello.
<b>ILLINOIS</b>											
Morgan County	21	Late Evening			0	0	2	0			Wind
											High winds at the Hillcrest Trailer Park in the western section of Jacksonville tipped a 20 foot section of a canopy and blew it over primary power lines, resulting in a power outage to the west side of the city.
Southern Third of Illinois	27-28				0	0	?	?			Heavy Rain
											Showers and thunderstorms brought heavy rains, in amounts of 5 to 8 inches in many places. Numerous roads were closed and bridges washed out. Homes, buildings and farms were damaged by the resultant flash flooding.
Entire State	28	8 am-11 pm.			0	16	6	0			Wind
											Many mobile homes were damaged or destroyed. Numerous trees and tree limbs fell on power lines, knocking out electricity and telephone service. Farm buildings and garages were downed by the wind. Many fences and windows were snapped by wind gusts well in excess of 50 miles per hour which continued for most of the day.
											Much of the damage in the southwestern part of the state was concentrated in the 3 counties of Monroe, St. Clair and Clinton. Most of the losses in Monroe County were in the Waterloo area, where the high winds reached a peak at about 8:30 am. At the Gibault High School, roofing was torn off. At the Jaycee baseball diamond, just north of the school, a scoreboard was completely destroyed, 2 dugout roofs were blown away, and advertising signs carried up to 1/2 mile from the field by the force of the wind. West and south of Waterloo, several sheds were damaged or destroyed, roofs damaged, and a portion of a facade of the Capitol Theater was blown off.
											Next, the high winds struck the New Athens area in St. Clair County, where power lines were downed, causing electrical outages. Starting at about 3:35 am, the next area to feel the brunt of the very strong wind gusts was Freeburg, in St. Clair County. In the east end of town, a modular home was toppled, trees and tree limbs blown down and power interrupted. Numerous antennas were bent over and fences blown down. At a truck service yard, 2 truck trailers were damaged by a falling tree, which also overturned a half-full 300 gallon gasoline tank and shattered 3 panes of glass.
<b>ILLINOIS (continued)</b>											
											At about 8:45 am reports of very high winds and extensive damage began coming in from the Mascoutah area of St. Clair County. At the southeast corner of Mascoutah, a mobile home flipped upside down in the high winds, injuring 2 people. A woman was hit by a wind-blown object in downtown Mascoutah. At a farm 6 miles south of Mascoutah, winds picked up a 50 by 70 foot gusset hut two aluminum machine shed and draped it across power lines. In Mascoutah, 2 sheds were blown down, falling onto paving and contracting equipment stored inside. At another nearby farm, an equipment and grain storage barn was toppled by a blast of wind, damaging equipment stored inside. At about 9am at Lebanon in the same county, high winds tore off roofing at a high school; in addition, several businesses suffered roof damage.
											The path of damage from the high winds then moved into Clinton County, where about \$20,000 damage was done to the Bartleso Elementary School in Bartleso. A layer of decking and insulation was stripped from the roof and ventilators on the roof of the school were torn off. Damage was also noted in the Bartleso business district, where several other roofs were affected. The burst of high winds then traveled to the north of Bartleso, along the Bartleso-Berkemeyer road. Several sheds, storage buildings, and chicken houses were either blown away or severely damaged. At least \$80,000 damage was estimated along a zone of about 5 miles along this road. One of the greatest farm losses occurred 6 miles north of Carville on Route 127. At that location, the strong winds damaged a chicken house, resulting in the death of several thousand hens. At another farm between Centralia and Sandoval, the high winds damaged a silo.
											At Pelouze in Macoupin County, strong wind gusts ripped off a portion of the roof at the Northwestern High School library at 10:10 am.
											In Berlin, Sangamon County, 2 mobile home trailers were overturned, injuring 2 persons.
											At Waverly, in Morgan County, a man was injured when wind collapsed the shed in which he was working.
											In Urbana, Champaign County, 2 customers in an Art's restaurant received cuts when wind gusts smashed a large window.
											At about 11am strong gusty winds caused an estimated \$200,000 of destruction to a grain elevator in Knoxville, Knox County.
											In LaSalle County at about 1:40 pm, the strong winds forced a semi-truck and trailer off a highway and into a ditch, about 1/2 mile east of the Illinois 178-U.S. 6 intersection, ripping about 70 feet of fencing in the process and causing injury to the driver.
											In the northern part of the state, the storm also caused much damage to structures. Most of the destruction came in the mid-afternoon. Strong gusts resulted in damage to 7 businesses in Alsip in Cook County, near 17th Street and Astin. The industrial park complex at that location reported that at about 3:17 pm, several roofs were blown away and numerous windows broken. The debris from this damage fell on 22 vehicles nearby, causing further losses to cars and trucks. In Oaklawn, also in Cook County, the high winds knocked off part of the gymnasium roof at the St. Nicholas Greek Church complex. At this site, 7 cars were destroyed and 2 cars damaged by the falling debris and trees. This incident occurred at approximately 3:30 pm. Strong wind gusts tore down 2 sections of a 7-foot wooden construction retaining wall, injuring 2 pedestrians at a construction site on Michigan Avenue in Chicago. At Westmont in DuPage County, 2 women were injured and about \$32,000 damage resulted when a plastic air bubble over a tennis court collapsed.
											At about 4pm in Kyanen, Bureau County, the high winds caused considerable damage to a high school roof, with about one-third of it being torn off.
											At Hampshire, Kane County, a semi-trailer truck was blown into a collection north on Interstate 90, causing about \$30,000 damage.
											In Mason County, the strong winds blew off the roof at a Pepsi plant and damaged a chimney. Damage was estimated at \$50,000.
											At about 9pm in Fulton County, about 1/2 mile west of Lewistown, a woman and 1 child were hurt when the car in which they were traveling was blown from the road by the strong winds.
											Other reports indicated that the strong winds caused destruction to aircraft on the ground. At the Harrisburg-Baleich airport in Saline County, a hangar, an airplane stored inside and an adjacent house trailer were extensively damaged. At Spring Valley airport in Whiteside County, a hangar under construction was demolished. At an airport near Mendota in LaSalle County, a 50 by 80 foot hangar and 2 aircraft housed inside received extensive damage. At Alton in Madison County, the roof of a private hangar was blown off. At Bloomington-Normal airport in McLean County, a light plane was flipped over by the strong winds and was severely damaged.
LaSalle and McLean Counties	28	1:40 pm			0	0	?	?			Hail
											In the Grand Ridge area, LaSalle County, hail of golf-ball size was reported. At about the same time, large hail was also observed in the vicinity of Bloomington, in McLean County.
O'Hare International Airport-Cook County	29	12:40am			0	2	6	0			Wind
											A strong gust of wind pushed a DC-3 off a runway touching off a fire and explosion that seriously injured the pilot and copilot and resulted in extensive damage to the aircraft.
Peoria County and Marren County	30	11:30am-Noon			0	1	3	0			Wind
											A man was injured by a wind-whipped trailer door at a construction site in the city of Peoria. At Alexis in Marren County, a portion of the roof of the local Junior-Senior high school was ripped off by the high winds.

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<b>INDIANA</b>									
Vicinity Sheridan Hamilton County	4	Approx. 11:00 AM	100*	Narrow	0	0	2	0	Tornado
									Funnel cloud associated with rain showers tipped down briefly, demolishing a small storage shed. Debris was scattered for about 100 yards. The storm moved east and quickly dissipated. No other damage was reported.
<b>IOWA</b>									
Mediapolis, Des Moines County	11	9:15 p			0	0	4	0	Thunderstorm (Wind)
									Roof blown off nine stalls in new confinement building. Adjacent barn also damaged.
Blue Bird Motel, Des Moines, Polk County	18	8:00 p			0	0	4	0	Thunderstorm (Lightning)
									Lightning struck motel causing fire which burned two motel units. Usual smoke damage to other units.
Council Bluffs, Pottawattamie County	25	Aftn.			0	0	4	0	Windstorm
									Mobile home being towed was flipped by wind, destroying home.
Near Ottumwa (Industrial Airport), Wapello County	28	11:45 a	?	30	0	0	4	0	Tornado
									Tornado first touched down near Max Harter farm where numerous outbuildings and chicken house were destroyed. Steel bin and hog feeder were overturned. Tornado moved north where siding and part of roof at Emory and Everett Row farm were ripped off and deposited 1/2 mile away.
Most of Eastern-Southeastern Iowa	28	9:00 a - 10:00 p			0	0	4	0	Windstorm
									Numerous outbuildings, machine sheds and barns were partially or completely destroyed by high winds. These winds also caused overturned trailers, broken glass, roof damage and downed power lines and trees throughout most of the area.
Fort Dodge, Webster County	29	11:30 a			0	1	4	0	Windstorm
									Woman injured by flying glass from broken window on 6th floor of Tomkins Memorial Health Center. High winds blew portion of roof off Humboldt High School gym.
<b>KANSAS</b>									
Hamilton, Norton, and Stanton Counties	10	9a - 6p.			0	0	5	?	Wind
									Strong south winds in advance of a deep low pressure system caused scattered damage to buildings, signs, windows, trees, and utility lines in these counties.
Sedgwick County	10	7 - 8 p			0	0	5	0	Wind
									Strong gusty winds associated with a thunderstorm in the Wichita area caused damage to a hangar and 4 planes at Mid-Continent Airport, and damage to plate glass windows, trees, utility lines, and roofs in the city. Wind gusts to 62 mph were reported at the airport and 60 mph in downtown area.
Allen County	11	2:30 a	1/2	75	0	0	5	0	Tornado
									Tornado moved north along highway 149 through town, causing damage to trees, utility lines, windows, and roofs, mostly in store on both sides of the highway. (Iowa, KS)
Cheyenne, Decatur, Raylins, Sherman, Thomas, and Wallace Counties	11/12	1a to 11a			1	?	6	6	Wind, snow
									A late winter storm produced blizzard conditions for nearly 36 hours. Snow and blowing snow reduced visibility to less than 1/4 mile, and frequently zero, over most of the area for 26 consecutive hours with winds to 60 mph. Winds to over 7 feet closed roads and highways. One man died in his car either from freezing or carbon monoxide, two other stranded motorists suffered heart attacks, and over 30 people were rescued from stranded vehicles in the Goodland area. Power lines were downed and rural areas were without power for several days. Damage to wheat was quite extensive.
<b>KENTUCKY</b>									
Calloway County	11	11 pm EST			0	0	4	0	High Winds
									Strong winds demolished two expensive sheds in Murray.
Christian Cy	17	11 pm EST			0	0	4	0	SVR Storm
									A severe thunderstorm extensively damaged a farm in Hopkinsville.
Floyd Cy Pike Cy	18	10 am EST			0	8	5	0	High Winds
									A screen belonging to the Prestonburg Drive-In Theater blew down landing on a home next to it. A mobile home business was hit hard, damaging about 15 homes. Another 300 damage claims were filed with the local insurance company.
Lee Cy	18	10 am EST			0	0	4	0	High Winds
									Strong winds blew over a mobile home at Beattyville.
Grant Cy	18	10:30 am EST			0	0	4	0	High Winds
									Strong winds flipped over a large mobile home traveling north on I-71 just south of Covington.
<b>LOUISIANA</b>									
Lincoln Parish	3	12:30P	?	?	0	0	4	?	Small Tornado
									Tornado touched down about seven miles SW of Ruston and caused damage at several places between Ruston and Clay.
Lincoln-Union Parishes	3	12:30P	34	100	0	0	5	0	Tornado
									Tornado damaged warehouse in north part of Ruston; moved to Downsville and Point communities damaging mobile homes, houses and barns. Lifted over Sterlington.
Union-Morehouse Parishes	3	1PM	?	?	0	0	4	?	Tornado
									Tornado reported near Farmersville, caused damage near Heale and was last seen about 10 miles north of Bastrop.
Morehouse-West Carroll East Carroll Parishes	3	2PM	?	?	0	0	5	?	Tornado
									Tornado originated in Morehouse Parish and skipped through the next parishes causing damage to houses and barns in Lakeside and Concord communities.
Caldwell Parish	3	2:11PM	6	75	0	0	4	0	Small Tornado
									Community center on east side of river at Columbia was damaged. Storm then hit Hebert area with lighter damage.
Bossier Parish	3	5:45P			0	0	5	0	Lightning
									Lightning ignited large tank of jet fuel at Barksdale AFB.
Ouachita Parish	11	4:25PM	B R I E F		0	0	3	0	Small Tornado
									State Police reported brief touchdown about five miles SE of Monroe destroying barns and out buildings.
Caldwell Parish	11	4:27P							Funnel
									Sighted 14 miles east of Columbia.
Morehouse Parish	11	4:55P	5	150	0	0	5		Tornado
									Tornado moved on ground from near Collinston to Mer Rouge. Fifteen to 20 houses reported damaged.
Morehouse Parish	11	5:10P							Funnel
									Sighted near Jones and Kimbel.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
<b>LOUISIANA (continued)</b>										
Entire State	27-28	Night			0	5	6	?		Severe Thunderstorm and High Winds
			A squall line that caused widespread damage to roofs, trees, power lines and especially to trailer homes swept through the entire state with severe windstorms and tornadoes.							
			In St. Helena Parish, three members of the Cecil McCoy family were hospitalized when their trailer was destroyed in Greensburg by high winds.							
			In Baton Rouge, Mrs. James Everhart was injured when her trailer overturned between 3 AM and 4 AM.							
			Winds to 74 mph in Monroe caused heavy damage to five mobile homes.							
			Mrs. David Silk received a blow on the head and a gash in her foot when her home was destroyed in Richland Parish.							
Winn Parish	28	1 AM	?	?	0	0	4	4		Tornado
			Trees were uprooted or twisted off and a number of roofs damaged in the New Hope-Gears Mills-Sikes area.							
St. Martin Parish	28	2:20A	?	?	0	3	4	0		Tornado
			Three members of Floyd Quidobaux family injured when tornado destroyed trailer between Cecilia and Arnaudville.							
St. Landry Parish	28	2:45A	?	?	0	1	4	0		Tornado
			A minor injury when trailer was destroyed at Port Barre.							
Lafayette Parish	28	3AM	10	100	0	1	6	0		Tornado
			Milton Trahan escaped serious injury by wrapping himself in a mattress when he heard a tornado approaching his trailer located about two miles north of Ridge. The tornado completely exploded the house and then moved on to hit the Lafayette Airport. It destroyed four aircraft and damaged five others; popped out the glass in the control tower; damaged a number of homes and trailers around Lafayette.							
<b>MAINE</b>										
Southern	17	Early am						4		Windstorm
			A cold front passed through Maine early in the day followed by a period of strong gusty winds (60+ knts). Much tree damage and downed utility lines.							
Statewide	22-23							6		Northeaster
			Heavy snow and high winds, near hurricane force. Greatest damage in southern and coastal areas. Heavy damage to utility lines with prolonged power outages. Severe damage along the coast with moderate to severe beach erosion. Winds remained strong and gusty through the 25th from the northwest.							
<b>MARYLAND &amp; D.C.</b>										
Delmarva Peninsula	4	6:00 p-6:30 p			0	0	4	0		Wind
			Winds gusting up to 55 mph caused widespread damage. In Ocean City portion of condominium roof blew off and damaged power lines. In Salisbury a large tree fell, taking power and telephone lines along with it.							
Baltimore and Howard Counties	13	5:00 p-5:30 p			0	0	3	0		Rain, Wind
			Nearly an inch of rain fell during an 8-minute period in the Baltimore metropolitan area. Some 75 trunk lines, between the Elliott City-Columbia area and Baltimore, were knocked out during the height of the storm.							
Central portion and District of Columbia	22	Evening			0	0	4	0		Wind, Rain
			Winds gusting in excess of 50 mph caused extensive damage, especially in Frederick and Anne Arundel Counties. Numerous trees were downed in the Baltimore-Washington area with some 10,000 customers affected by power outages in the Baltimore vicinity. In Frederick County winds of up to 70 mph leveled three townhouses under construction at Amber Meadows, and falling wires were responsible for a number of small fires in the county. Anne Arundel County reported roads in several waterfront communities were blocked by downed trees.							
<b>MASSACHUSETTS</b>										
Pittsfield Western portions	15	All Day			0	0	5	0		Heavy rain flooding
			Day long rains and snow melt caused highway and urban flooding. Many cellars of houses and schools were filled with water. The Pontoonuk Dam in Pittsfield was threatened by over topping but held. Pittsfield's Mayor called the flood the worst in 39 years.							
Northern 1/2 of state	18-19	All Day			0	0	0	0		Heavy snow
			6 to 10 inches of heavy wet snow hit the area.							
Statewide	22-23	All Day			0	0	5	0		High winds heavy snow
			Northeast gales gusting 70-80 MPH raked the state bringing down power lines, trees, signs and roofs. Porches were knocked off and cars were smashed. Many windows were broken. The New Bedford Hurricane Barrier clocked gusts to 80 MPH. The highest observed in the barrier's 11 years of existence. There was a gust of 63 MPH at Boston. A 16 foot wide geodesic dome at Gloucester High School was leveled. A 450' high radio tower in Framingham was blown down. Snow was confined to the Berkshire Hills and North Central portions of the state where a foot piled up. Two feet of snow fell in Pittsfield and 18 inches in Gardner.							
<b>MICHIGAN</b>										
E St Johns, Clinton Co.	28	6:45pEST 2	100		0	0	4			Tornado
			Touched down in rural farm area heavily damaging a farm house, shade trees, a barn and three outbuildings. The farm house was separated and moved six inches from its foundation. The tornado proceeded NNE slightly damaging a second home and a camper before lifting.							
All of lower Michigan.	29	daylight hours			0	0	5			Winds
			45 to 70 Mph winds ripped the roof off an airport hangar and heavily damaged a factory building in Traverse City. Extensive damage done to docks, piers, trees and some cottages along Grand Traverse Bay when forty foot high walls of ice blown ashore. Scattered reports throughout the effected area of damage to plate glass windows, roofs and trees blown on cars. Many communities suffered extensive electrical and telephone outage when wind whipped lines and falling trees tore down lines and shorted out fuses. Hardest hit were Grand Traverse, Alpena, Roscommon, Crawford, Otsego, Wexford, Mecosta and Kent counties.							
4N Hart, Oceana Co.	30	5:30pEST 1.5	40		0	3	4			Tornado
			Came down in an open field and proceeded NE striking four trailers and a business building. One of the trailers was destroyed and another was picked up and flipped on its back injuring 3 of the four people inside. Funnel seen and heard by a local resident.							
<b>MINNESOTA</b>										
STATEWIDE	2-4	-	-	-	3	14	6	0		HEAVY SNOW
			Storm center developed over Colorado WED 2nd with light snow as far east as Southwest MINN at daybreak. Center moved into West Kansas by 6PM with snow general over south half of MINN. System continued to move steadily Northeast to East NEB by daybreak THU 3rd where it weakened slightly as it entered Southwest MINN. From this point Center moved east over South MINN with extensive snowfall over State, reaching East WIS by midday FRI 4th. Snow continued over East MINN early morning of SAT 5th before ending during day.							
			Heaviest snowfall of season averaged a foot or more of moisture-laden snow over much of State. Heavier amounts included Slayton in Murray County of Southwest MINN 17 inches - Worthington 16 inches - Duluth and Alexandria 15 inches - Benidji, Mankato, Faribault 14 inches - Mintoapolis and St. Paul 10 inches.							
			A rash of snowblower accidents reported in Twin Cities with at least 14 people injured trying to remove wet snow from clogged machines. Five required surgery and at least 3 lost parts of their fingers. Most schools in State closed THU 3rd with 476 closing announcements over a single radio station. Travel difficult or impossible over most highways and travelers advisories issued for entire State. Many cars and trucks stalled due blocked roads - 15 semi-trailer trucks in ditch or jack-knifed near Cannon Falls on Highway 52 - a number of schedule delays in bus travel reports - airline flights to Southern MINN and Eastern So. DAK Cities canceled - 3 deaths by heart attack reported in Hennepin County due over-exertion.							

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1977

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					KILLED	INJURED	PROPERTY	CROPS	
<b>MISSISSIPPI</b>									
Jackson, Hinds County	3	5:35 PM			0	0	0	0	Funnel Cloud
									Several units of the Jackson PD reported sighting a funnel cloud in various parts of the city. The funnel was first observed 1 1/2 mi. South on Hwy 18 West of Siwell Rd. moving NE. It was also seen at I-55 and McJowell Rd.
Thomastown, Leake County	3	6 PM	4	440	0	0	4	?	Tornado
									A tornado touched down 10 mi. SW of Thomastown just 2 mi. E of the Madison/Leake Co. line overturning a few cotton trailers and a power line and topping several trees. The tornado moved NE along highway 43 into Leake Co. demolishing a mobile home, knocking another off its blocks, and damaging one house about 6 mi. S of Thomastown near highway 43. Damage \$7,000.
Lumberton, Lamar County	4	1:15 AM			0	0	3	0	Wind
									Strong winds from a line of thunderstorms destroyed a small hangar at the Lumberton airport early on the morning of the 4th as the line moved SE through the state. A small plane inside the hangar sustained only minor damage. Damage total less than \$5,000.
Leakesville, Greene County	4	2:00 AM	1 1/2	440	0	0	5	?	Tornado
									A small tornado barely touched down 15 mi. NW of Leakesville in the Avery residential community damaging 4 homes, one house trailer, and 3 chicken houses. The tornado lifted and touched down again near State Line community causing roof damage to several homes and other buildings. Total damage \$60,000.
Ocean Springs, Jackson County	4	3 AM			0	0	4	?	Wind
									Strong winds from a heavy thunderstorm overturned a mobile home in the Virginia City area North of I-10 about 6 mi. N of Ocean Springs. A barn roof was also blown off along with numerous trees damaged. Property damage \$10,000.
Shelby, Bolivar County	11	7 PM			0	0	4	?	Wind
									A severe thunderstorm moved through the Shelby community collapsing the roof of a Texaco station causing minor damage to 4 buildings and one house. Damage appeared to result from straight line winds. Damage total \$8,000.
Oak Grove, Lamar County	12	2 AM			0	0	3	?	Wind
									A line of heavy thunderstorms moving SE through the state collapsed a barn 5 mi. W of Hattiesburg just N of highway 96. Damage \$2,000.
Mayersville, Issaquena County	28	3 AM	5	150	0	4	4	?	Tornado
									A tornado touched down 1 mi. N of Mayersville destroying a mobile home and injuring the four occupants. The tornado continued NE to the Hopedale community before lifting 4 mi. S of Grace on highway 1. Damage in the Hopedale area consisted of destroying the remains of an old block building and minor damage to one trailer. Total property damage \$10,000.
Sharkey and Yazoo Counties.	28	3:30 AM	21	250	0	0	5	?	Tornado
									Another tornado produced by the same line of thunderstorms, touched down 2 mi. SW of the Onward community in Sharkey County moving NE across Onward causing major damage to water tank and a mobile home and crossing through the Delta National Forest before hitting Holly Bluff in Yazoo County. An elementary school in Holly Bluff sustained major damage and one mobile home was destroyed. Several cotton trailers were dumped in the Sunflower River. Damage in Sharkey Co. \$3,000. In Yazoo Co. \$110,000, mostly to school.
Kosciusko, Attala County	28	4:45 AM	5	50	0	0	4	?	Tornado
									A tornado touched down 2 to 3 miles NW of McAdams south of highway 12 moving NE to 3 mi. W of the highway west of Kosciusko. In McAdams one barn and one house was damaged while one barn was also damaged in Sallis near the initial point of touchdown. Trees fell on 4 other houses and power poles were fell. Damage \$5,000.
Hattiesburg, Forrest County	28	5:45 AM	?	440	0	0	5	0	Tornado
									A small tornado touched down briefly on the SW corner of the intersection of highway 49 & 59 W of Hattiesburg. Major damage was sustained by the Days Inn motel, windows were blown out of cars, minor damage to several mobile homes. Total damage \$100,000, mostly to the Days Inn.
<b>MISSISSIPPI (continued)</b>									
Hattiesburg, Forrest County	28	6 AM	100	35	0	0	4	0	Tornado
									Another small tornado barely touched down 1 mi. W of Elks Lake south of Hattiesburg heavily damaging one house, destroying one tool shed and moving a trailer 30 to 40 ft. Total damage \$5,500.
Entire State	28	3 AM-7 AM			0	10	6	?	Wind
									A rapidly developing line of thunderstorms along the Mississippi River began accelerating across the state around 3 AM causing at least 10 injuries, extensive wind damage to widespread areas of the state, and spawning several small aforementioned tornadoes. The only areas escaping damage were the extreme NW and SE sections. Major damage to homes and other buildings was common throughout the state with numerous frame houses, mobile homes, and outbuildings being destroyed. Winds were recorded at 63 mph at Columbia, but were probably much higher at times. No damage estimate available, but probably between 1/2 and one million dollars.
<b>MISSOURI</b>									
Isabella, Missouri in Ozark County and Mountain Grove, Missouri in Wright County	11	1:40 p.m.	7	40	0	2	4	0	Tornado
									A well-developed low pressure center was located in Kansas, and the cold front associated with the low center moved ahead of it across Missouri. Strong thunderstorms, some severe, developed during the afternoon. A mini tornado formed over the Theodosia arm of Bull Shoals Lake about one mile east of Theodosia and moved east along Highway 160 into Isabella then swung northeast. Later, there was minor wind damage in the hamlet of Nottingham 8 miles northeast of Isabella, and high winds did much property damage in Mountain Grove where plate glass windows were shattered and roofs torn off buildings. In Isabella a tavern and two mobile homes were demolished and two persons were injured.
Southeast quadrant of Missouri	27, 28	p.m. 27, a.m. 28	?	?	0	0	6	0	Flash Flood
									A slow moving low-pressure system in South Central U. S. was bringing warm, moist southerly flow up from the Gulf. As a result, very heavy rainfall amounts up to 13 inches fell in the southeast quadrant of Missouri. Severe flash flooding occurred in a portion of southeast Missouri causing extensive property damage and killing livestock. Forest Valley Dam and North Hills Estates Dam, both on private property, overflowed and for a while it appeared they would not hold. An old dam built as a part of a mining operation burst near Fredericktown early Monday morning sending a torrent of red mud and cars through the city. There were no reported injuries, but at least one family had to be evacuated. A farmer on Saline Creek reported 90 pigs killed in the rush of water and muck. A car was washed off a road in Cape County, and it took a couple hours for the sheriff to locate the occupants clinging to trees downstream. Extensive damage was done to homes and businesses in Cape Girardeau and Poplar Bluff by flood waters. The heaviest rainfall amounts were 12.28 at Wappapello, 10.26 at Advance, 8.37 at White Church, and 7.10 at both Williamsville and Cape Girardeau.
The entire state of Missouri except the extreme northwest corner	28	all day	?	?	0	0	5	0	Wind
									Low pressure developed and deepened in eastern Colorado and Kansas causing very strong southerly winds 20 to 40 mph with gusts up to 60 mph over Missouri. Wind damage was reported across the state in all but the extreme northwest corner. Trees and power lines were downed, mobile homes damaged, and houses, schools, and businesses suffered roof and general property damage.
North half of Missouri	30	all day	?	?	0	0	4	0	Wind
									A low pressure center was located on the Wisconsin-Iowa border causing strong westerly winds across the northern half of Missouri. These winds downed power lines and trees and damaged out-buildings. The wind was blamed for two accidents in Livingston County; one in which a mobile home being towed was demolished after it was turned over by the wind, the other when a tree fell on a car passing by.
<b>MONTANA</b>									
									NONE REPORTED

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
<b>NEBRASKA</b>											
North Central and Western half of Nebraska	10 12	9AM to 12 Noon			7	0	7	5			Heavy Snow Blizzard
		Heavy wet snow began in the panhandle and Southwest Nebraska and spread rapidly Northeastward increasing and becoming a full scale blizzard by the evening of the 10th and ending over the eastern areas around noon on the 12th. Heaviest snowfall of 10 to 20 inches fell along a 120 mile wide path from the Sidney Imperial area Northeastward to the Gordon Valentine, Bassett area. Winds averaging 45 to 50 mph gusting to 55 to 72 mph drifted snow to 5 to 10 feet generally and up to 20 feet from Northern Lake McGonaghey into Thomas County. Highways and schools were closed through the 12th and highway travel was not completely restored until the 19th. The heavy wet snow and high winds destroyed much of the power line and telephone service to the area. Water and sewage problems developed because of lack of power. Cattle were able to feed because high winds blew fields clean. Some piglets and calves were lost.									
<b>NEVADA</b>											
Northern Nevada	27				15	5	5				Windstorm
		GENERAL WIND STORM ACROSS NORTHERN NEVADA CAUSED DAMAGE TO PROPERTY, AIRCRAFT VEHICLES AND CROPS.									
<b>NEW HAMPSHIRE</b>											
Statewide	17	Early am					4				Windstorm
		Post cold front winds raced across New Hampshire. Strong gusty winds (65 knots) caused tree damage and power outages. Some structural damage from falling tree limbs.									
Southern	18- 19						5				Northeaster
		Heavy snow (10-12") with resulting traffic accidents and minor injuries. High winds (greater than 50 knots) combined with heavy wet snow caused tree damage and power line breaks.									
Statewide	22- 23						6				Northeaster
		Heavy snow, hurricane force winds caused astronomical property damage. Utilities hardest hit. Heaviest damage in southern and coastal areas. Three to five hours of winds near or exceeding 70 m.p.h. Snowfall measured 25 inches in some places.									
Southern	31	Mng					4				Thunderstorms
		Thunderstorms rumbled across the state. Many lightning strikes, hail pea-size or larger at Durham, large size hail at Dover. Power outages and damage to utility lines.									
<b>NEW JERSEY</b>											
		NO STORM DATA REPORT RECEIVED FOR THIS STATE									
<b>NEW MEXICO</b>											
Grant, Hidalgo, Luna, Dona Ana, Otero, Eddy, Lea Counties	10	Daytime			0	0	5	?			Windstorm
		Southern portion of State raked by 60 to 80 mph winds for hours in association with passage of strong cold front. Extensive structural damage to buildings, walls blown over, damage from flying debris, and many highway accidents due to thick dust.									
Colfax and Union Counties	11	Daytime			0	0	7	6			Windstorm, Blizzard, Dust
		Rapidly deepening low pressure center caused sustained hurricane force winds. Clayton WSO clocked 23 continuous hours of winds above 50 mph with peak gust of 92 mph at noon. Numerous buildings damaged, many mobile homes demolished, 750 windmills damaged or demolished, and many irrigation systems damaged or destroyed. Blowing dust and blowing gravel southern parts of counties and blizzard in north with snow drifts to 20 feet. Four hundred head of livestock lost.									
<b>NEW YORK</b>											
<b>COASTAL</b>											
		NO STORM DATA REPORT RECEIVED FOR THIS AREA									
<b>NEW YORK CENTRAL</b>											
AREA WIDE	12-14				0	0	7			°C	RAIN
		Widespread flooding resulted from rain beginning the evening of the 12th and continuing until the morning of the 14th in connection with snowmelt and ice jamming. Total rainfall amounts ranged from 1.5 to 3 inches. Bridges and numerous roads were washed out as well as many homes being flooded. At Little Falls on the Mohawk River a new record height of 19.17 feet was recorded. At Unadilla, on the Susquehanna River, a new record of 14.72 feet was recorded.									
ORANGE; ULSTER; PUTNAM; DUTCHESS; COLUMBIA; GREENE; ALBANY, RENN; SCHENECTADY; SCHOHARIE AND SARATOGA COUNTIES	18	10A-11P									SNOW
		Snow accumulations of up to six inches caused numerous traffic accidents throughout the area.									
AREA WIDE	22-23										WIND, SNOW AND RAIN
		Rain in the lower Hudson Valley changed to snow during the evening of the 22nd. Snow which began the morning of the 22nd elsewhere continued into the early morning of the 23rd. Accumulations to 20 inches were reported in higher elevations. Numerous traffic accidents occurred as well as many downed trees and powerlines due to the winds up to 58MPH, and heavy wet snow. Many roads and schools were closed as a result of the snow.									
SULLIVAN; SCHOHARIE; DELAWARE; CHEMANGO; LEWIS; OSWEGO; DUTCHESS; MONTGOMERY; OTSEGO; HERKIMER; WARREN; ULSTER; GREENE; ALBANY; RENSSELAER; SCHENECTADY COUNTIES	22										SNOW
		SNOW WHICH BEGAN THE MORNING OF THE 22ND AND ENDED AROUND MIDNIGHT CAUSED NUMEROUS PROBLEMS TO LOCAL RESIDENTS. DOWNED TREES, POWER LINES AND TELEPHONE LINES DUE TO UP TO 30 INCHES OF WET SNOW IN SOME LOCATIONS CAUSED POWER LOSSES AND LEFT PEOPLE WITHOUT HEAT, COMMUNICATIONS, AND FOR THOSE WITH WATER PUMPS... WITHOUT WATER. MANY SCHOOLS AND ROADS WERE CLOSED AND MANY TRAFFIC ACCIDENTS WERE REPORTED. DAIRY FARMERS HAD TO DUMP LARGE QUANTITIES OF MILK AS MILKING MACHINES AND REFRIGERATION UNITS WERE INOPERABLE.									
COLUMBIA; DUTCHESS; PUTNAM; SULLIVAN and ULSTER COUNTIES	31							5		°C	WIND AND RAIN
		Rain squalls during the afternoon with 41 MPH winds and gusts up to 50 MPH downed several large trees and caused numerous power outages. Several windows were reported to have been blown out of their frames. Many roofs were damaged by the winds and a storage building near Hudson in Columbia County was destroyed.									
<b>NEW YORK WESTERN</b>											
		NONE REPORTED									
<b>NORTH CAROLINA</b>											
Moore County	4th	1:30 PM	2	20	0	0	4	3			Tornado
		A tornado touched down in the Big Oak area north of Eagle Springs damaging trees, shrubbery, farm buildings and a house roof.									
Robeson County	4th	2:15 PM	12	30	0	4	5	3			Tornado
		A tornado skipped along from WSW of Fairmont to the Proctorville area damaging mobile homes, farm buildings, trees and shrubbery. One woman and three children were injured.									
Robeson County	4th	1:45 PM	1/2	20	0	0	5	3			Tornado
		A tornado touched down near Pembroke damaging several mobile homes, trees and some farm buildings.									
Johnston County	4th	3:15 PM	1/2	20	0	0	4	2			Tornado
		A tornado touched down briefly near Princeton moving a 5 room house about 10 feet off its foundation. Several other buildings were blown away.									
Cumberland County	4th	3:30 PM	1/2	10	0	2	4	-			Wind
		Strong winds turned over a mobile home in Eastover, north of Fayetteville injuring a woman and a child.									
Wayne County	4th	3:35 PM	.2	10	0	2	4	-			Tornado
		A tornado briefly touched down near the Pleasant Hill Church off route 581, 10 miles NW of Goldsboro. Two women were injured, one seriously when their mobile home was tossed 25 feet in the air and slammed against a barn.									
Wayne County	4th	3:45 PM	1	20	0	0	4	-			Tornado
		Several mobile homes and other buildings were damaged just south of Mount Olive near route 117 when a tornado touched down.									
Greene County	4th	4:45 PM	5	60	0	0	5	3			Tornado
		A tornado moved through several farms between Marry and Browntown damaging trees, houses, and farm buildings.									

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					KILLED	INJURED	PROPERTY	CROPS	
<b>NORTH CAROLINA (continued)</b>									
<u>Pitt County</u> Strong winds near Winterville damaged several mobile homes and \$40,000 damage to farm buildings.	4th	5:00 PM	2	50	0	0	5	3	Wind
<u>Mountain</u> Heavy rains caused some flooding and several (5 to 10) mudslides damaging or covering highways and other roads. Some of the roads closed: Whiteaker Falls (Jackson County); N.C. 107 (Jackson County); US 44; 45% of Watauga County roads; and Georges Gap Road.	12th						5		Floods & Mudslides
<b>NORTH DAKOTA</b>									
Counties: Bowman, Adams, Grant, Morton, Emmons, Oliver, Stark, Dunn, Mercer, Billings, Golden Valley, Slope, Hettinger, McLean, Sheridan, McHenry, Wells, Benson, Pierce, Foster, Eddy, Ramsey, Towner, Cavalier, Walsh, Nelson, Pembina, Steele, Griggs, Nelson, Grand Forks, Sioux	28/ 29/ 30								Blizzard with snowfall amounts ranging up to 12 inches in the southwestern counties. No reported losses of persons, property, or livestock. Minor drifting closed some roads.
<b>OHIO</b>									
1/2 mile SW of Pandora, Putnam County	4	Afternoon			1	0	3	0	Wind
Generally strong gusty winds occurred statewide during the afternoon. In Putnam County some utility poles and trees were downed. One tree fell on a car, limbs smashed through the windshield and impaled a 37 year old man in the chest killing him instantly.									
Middlefield, Geauga County	30	5:30-6:30 PM	1/2	50	0	0	4	0	Tornado
Tornado set down southwest of Middlefield Apartments and moved northeast for about 1/2 mile. The funnel then lifted over the apartment causing roof damage. Eye witnesses saw the tornado on the ground. While it was on the ground it destroyed a large garage adjacent to the apartment damaging 16 cars.									
Austin and Newton Townships, Mahoning County	30	Night			0	3	4	0	Wind
Thunderstorms moved through Mahoning County during the night. Wind gusts estimated at 60 to 80 MPH caused damage in Newton and Austin Townships. In Newton Township a mobile home, which was not tied down, was overturned and destroyed injuring a woman and her 2 sons. There also was roof and tree damage in this area. In Austin Township the wind gusts did roof, tree and out building damage.									
<b>OKLAHOMA</b>									
Near Durham, Roger Mills County	2	1:15 p.							2 Funnel Clouds
Near Arnett, Ellis County	2	1:24 p.	1	100	0	0	1	0	Tornado
A tornado touched down in a river bottom approximately 10 miles south of Arnett. No significant damage occurred.									
Foss Lake Area, Custer County	2	2:00 p.	7	*1/4	0	0	5	0	Tornado
A tornado touched down near the north shore of Foss Lake. Movement was from the southwest toward the northeast. The major part of the damage occurred near the beginning of the path length in the Foss Lake Estates area. Seven mobile homes were destroyed and three others damaged. Two cabins were heavily damaged. From the point the tornado was apparently not in continuous ground contact as it continued northeastward over open country. The remainder of the significant damage occurred near the end of the path length at a farm located 2 miles east and 2 miles north of Butler where a steel barn and a mobile home were destroyed and a brick home was damaged.									
Butler, Custer County	2	2:05 p.			0	0	?	0	Hail
One and one-fourth inches diameter.									
Near Woodward, Woodward County	2	2:30 p.							Funnel Cloud
Approximately 3 miles south of Woodward.									
Near Taloga, Dewey County	2								Funnel Cloud
Southeast of Taloga.									
<b>OKLAHOMA (continued)</b>									
Near Oakwood, Dewey County	2	2:45 p.	4	300	0	0	3	0	Tornado
A tornado touched down in open country 5 miles west of Oakwood. Six head of cattle were killed and 100 cattle injured. One windmill and several trees were destroyed. One barn was damaged. Movement of the tornado was toward the northeast. Small hail occurred near the tornado but very little rain.									
Enid, Garfield County	2	4:00 p.			0	0	3	0	Wind
Wind speeds of 72 m.p.h. were clocked at the Woodring Airport. A single engine plane was tipped from its moorings causing considerable damage to the tail and wings.									
Near Alex, Grady County	2	4:30 p.	4	100	0	0	4	0	Tornado
A tornado touched down in open country 5 miles northeast of Alex. Movement was from southwest toward northeast. The storm followed an intermittent skipping path. A vacant house and several out-buildings were destroyed. Heavy tree damage also occurred.									
Near Blanchard, Grady and McClain Counties	2	4:30 p.	3	100	0	0	4	0	Tornado
An apparent tornado, mostly aloft, occurred in open country near Blanchard. The first evidence of damage was to a barn which was unroofed. Roof debris was thrown toward the northwest. The last known damage was to a large barn which was unroofed 3 miles northeast of the first damage.									
Velma, Stephens County	2	5:05 p.	3	200	0	1	5	0	Tornado
A tornado touched down at a point about 3 miles west of Velma and 3/4 mile south of Highway 7. Movement was from the southwest toward the northeast. Only one minor injury occurred. Two homes were destroyed. Three homes and 2 mobile homes were heavily damaged. Several houses, barns and outbuildings were slightly damaged and many electric and telephone lines were knocked down. One-fourth inch diameter hail accompanied the storm. Most damage occurred at the beginning of the tornado track. The tornado was apparently fully on the ground at the beginning of the path and thereafter had a skipping motion.									
Near Wilson, Carter County	2	6:30 p.	8	100	0	0	4	0	Tornado
A tornado touched down about 2 miles southwest of Wilson. Movement was from southwest toward northeast. Several homes were damaged. Utility poles and trees were downed. The tornado was not continuously on the ground.									
Near Springer, Carter County	2	6:40 p.	1	33	0	5	4	0	Tornado
A tornado touched down 4 miles west of Springer. All 5 members of a family inside a mobile home received light injuries when the mobile home was destroyed. A partially completed home, a barn, and various outbuildings were also destroyed. The injured victims reported that conditions became "real still" several minutes before the tornado.									
Weatherford area, Custer County	10	4:05 p.			0	0	3	0	Hail
Largest hailstones were 1 inch in diameter. The hail caused window and roof damage at two farm homes northeast of Weatherford. North of Weatherford in the same area an old barn was unroofed by strong straight winds. Three-fourths inch diameter hail fell just south of Weatherford and in Weatherford.									
Near Thomas, Custer County	10	4:15 p.			0	0	2	2	Hail
Estimated 5 miles south of Thomas. Hail ranged from golfball size to 2 inches in diameter.									
Near Thomas, Custer County	10	4:30 p.							Funnel Cloud
Approximately 5 miles north of Thomas.									
Near Watonga, Blaine County	10	5:00 p.							Funnel Cloud
Oklahoma City, Oklahoma County	10	6:05 p.			0	0	2	0	Wind
A wind gust of 59 m.p.h. was measured at the National Weather Service Forecast Office. Damage in the city area was confined to trees and a few downed power lines.									
Near Lindsay, Garvin County	10	8:36 p.			0	0	0	0	Hail
Hail ranged up to 1 inch in diameter.									
Noble, Cleveland County	10	8:50 p.	4 1/2	75	0	0	5	0	Tornado
A small tornado touched down in Noble at the west end of Cemetery Road near the South Canadian River. Movement was from southwest toward the northeast. Two trailers, one barn and two outbuildings were destroyed. Five homes and two apartment buildings were damaged. A school received minor damage. Residents in the damage path reported that although pea sized hail had stopped, light rain was occurring at the time the tornado struck. After leaving the ground the tornado apparently continued aloft for several miles based on local residents' reports of a loud roaring sound that coincided with the time of the damage occurrence.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>OKLAHOMA (continued)</b>									
Elmore City, Garvin County	10	9:43 p.							Funnel Cloud
Panhandle of Oklahoma	11	All Day			0	0	5	4	Wind
			Winds gusting to an estimated 80 m.p.h. caused five-foot-high snow drifts. Drifting was especially bad in Cimarron County. Wind damage was widespread to trees, power lines, signs, roofs, windows, metal storage buildings and mobile homes. A few mobile homes were totally destroyed. A few head of cattle were lost. Some wheat damage was reported.						
Near Perkins, Payne County	17	4:40 p.	1	50	0	0	1	0	Tornado
			A tornado touched down on the north bank of the Cimarron River approximately 2 miles west-southwest of Perkins. Movement was toward the east-northeast. The only damage was to trees along the river bank.						
Near Cushing, Payne County	17	4:56 p.			0	0	0	0	Hail
			Golfball size hail fell 3 miles north of Cushing.						
Near Stillwater, Payne County	17	5:03 p.							Funnel Cloud
			Four miles southwest of Stillwater.						
Stillwater, Payne County	17	5:08 p.			0	0	4	0	Hail
			Golfball size hail in Stillwater area. A unit in the married student housing complex on the Oklahoma State University campus was unroofed by strong straight winds.						
Yale area, Payne County	17	5:30 p.			0	0	0	0	Hail
			One-half inch diameter hail fell in Yale. One inch diameter hail fell in an area south of Yale on a scattered basis.						
Near Drumright, Creek County	17	5:35 p.			0	0	0	?	Hail
			Golfball size hail fell approximately 5 miles north of Drumright.						
Near Drumright, Creek County	17	5:45 p.							Funnel Cloud
			Northeast of Drumright along Highway 99.						
Near Stillwater, Payne County	17	5:50 p.			0	0	0	0	Hail,
			Three-quarters inch diameter hail was reported in the rural community of Glencoe located approximately 8 miles north of Stillwater.						
Southern Payne County	17	4:51 p.	5	50	0	0	0	0	Tornado
			A tornado touched down 9 miles south and 1/2 mile west of Stillwater. Movement was toward the east-northeast. The tornado touched down in an open field and was on the ground only a short time. After this the tornado lifted off the ground and continued aloft during the remainder of its life cycle. The last sighting of the tornado was 4 miles west of Ripley.						
Bryan County	26-27	1:00 p. - 1:30 p. - 27th			0	0	5	?	Rain
			Heavy rain fell on a countywide basis. Reports of 7 to 8 inches were general with an amount of 9.75 inches reported south of Bokchito in eastern Bryan County. Ten bridges were destroyed. Road damages were relatively light but quite extensive. Some cattle were lost. Some homes and mobile homes in low lying areas received flood damage.						
Pushmataha County	26-27	1:00 p. - 1:30 p. - 27th			0	0	5	?	Rain
			Heavy rains totaling as much as 7 inches during the two-day period caused extensive flooding in the county. An estimated 100 head of cattle were lost over the county. Extensive damage occurred at a sewage treatment plant south of Antlers. Some roads were heavily eroded.						
<b>OREGON</b>									
			NONE REPORTED						
<b>PACIFIC</b>									
E. Caroline Islands	24-28				1	?	?	?	Tropical Storm Patsy
			Preceded by large-scale cross equatorial northerly surface wind flow over E. Caroline Islands area into well-defined WNW-ESE oriented trough in S. Hemisphere, surface low formed 200 miles north of equator SE of Kosrae Island on 22nd. Low which became first Tropical Depression of year in W. Pacific drifted NW producing heavy thunderstorm rain on Kosrae Island on 24th and 25th where child drowned in rain-swollen stream. Upgraded to Tropical Storm Patsy on morning of 28th about 150 miles EEE of Ponape Island, storm progressed towards Ponape passing within 40 miles south of island on evening of 28th. Weakening continuing NW, Patsy ended career on 31st NE of Truk. On Ponape, at Weather Service Office, peak gust 47 mph from E at 6:44p. and total rainfall 6.42 inches on 28th and 29th. Initial damage estimates indicate only minor damages confined to few roofs blown off homes and less than 10% vegetation loss.						
<b>PENNSYLVANIA</b>									
<b>EASTERN</b>									
		7 PM to 13 3PM EST			0	0	4	0	Heavy Rain, Wind Electrical
			General rain over Eastern Pennsylvania was climaxed by heavier showers and thunderstorms over the affected counties. The heaviest amounts reported were 2.42 inches at Scranton and 2.26 at Honesdale. Some flooding resulted with some bridges washed and one bridge approach washed out. At least one automobile was washed off the road, one mud slide developed and basements were flooded. Lightning strikes caused one fire and some power outages and damaged a commercial radio tower. Winds associated with the thunderstorms caused some minor damage but a number of trees were uprooted or broken off in Richboro, Bucks County. Shingles were taken off the roof at that location and the residents said they thought it was a twister. A National Weather Service observer who inspected the damage felt that it was straight-line wind damage rather than a tornado.						
North portion Eastern Penna.	18	4 AM to 4 PM EST			0	0	3	0	Heavy Snow
			Snow over the northern half of Eastern Pennsylvania accumulated 2 to 6 inches generally, but as much as 10 inches in a few locations. Many traffic accidents resulted with one injury and one car that skidded off the road into a river.						
Eastern Penna.	22-23	3 AM to 5 AM EST			0	3	5	0	Heavy Snow, Heavy Rain, Wind
			An intense spring storm brought heavy rain to southern sections and mostly snow in the north. The heavy rains in the south caused widespread roadway flooding, some stream flooding and basement flooding. Precipitation amounts of 1 to 3 inches were reported. In the lower lying valley areas of the northern portions, the snow changed to rain and combined with melting snow to cause considerable roadway flooding and much basement flooding. In Arthbold, Lackawanna County, three streams overflowed and flooded about 100 homes and businesses. Elsewhere snow accumulations of 5 to 26 inches occurred with the greater amounts over the higher elevations. The snow caused many traffic accidents and massive traffic jams. Over 500 people were stranded on the highways with many seeking refuge in schools and fire departments. Stalled vehicles, traffic jams, drifting snow and falling tree limbs hampered road crews' efforts to clear the highways. High winds accompanied the storm. The winds downed many trees and tree limbs bringing down power lines. In the north, heavy snow on trees and power lines made the power outages more extensive. In all, over 50,000 customers had power outages. The winds took most of the roof off an apartment building in Norristown, and blew down the roof and one wall from a large truck garage. A portion of the garage roof struck and injured a woman. Near York a tree blew over on a utility company truck, injuring two men inside. Some of the higher wind speeds reported were 76 mph in York, 67 mph at Lancaster and 60 mph at Lebanon.						

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1977

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					KILLED	INJURED	PROPERTY	CROPS	
<b>PENNSYLVANIA (continued)</b>									
<b>EASTERN</b>									
Bedford, Cumberland, York, Schuylkill Counties	24	10 AM to 5 PM EST			0	0	4	0	High Winds
Strong winds over Eastern Pennsylvania caused damage in scattered locations. In Dillsburg, York County, a burned out house that was being repaired had the roof blown off and carried across the street where it hit another house and two parked cars. In Bedford, the roof blew off a small shed and severed electrical lines. At Deer Lake in Schuylkill County, a large number of truck camper tops were blown over with their storage rack and damaged.									
<b>PENNSYLVANIA WESTERN</b>									
Washington, Somerset, Westmoreland, Fayette, Crawford and Elk Cos.	18	1600-1700			1	0	4	?	Wind
At Berlin, Somerset County, strong wind knocked over a platform which was leaning against a shed. In falling, it struck a man on the head, killing him. In Westmoreland County, a light tower at the Latrobe Area High School was blown down. In Elk, Washington, Crawford and Fayette Counties, power outages, downed trees and telephone lines and hanging signs were reported.									
Westmoreland Co., Salina	18	0430-0500					?	?	Lightning
Extensive damage to elementary school in Salina. Also golf-ball size reported at Igonier.									
Wenango, Mercer, Lawrenceville and Washington Counties	30						5	?	Wind
Porch roof down in Wenango Co.; two roofs torn off in Washington Co.; trees and wires down in Mercer Co.; and trees and lines down, windows broken and trailer used as an office was blown from its stand and rolled 20 to 25 feet.									
Westmoreland Co.	30	2010	1	?	0	0	5	?	Tornado
At Laurel Mt., east of Igonier, a trailer home was destroyed, a section of roof on a 26-horse barn damaged, extensive damage to a 2-horse barn (roof and sides), roof on restaurant and lounge destroyed, large sign knocked down and traffic on Rte 30 blocked for 2 hours. Slight damage reported to 3 houses on summit. Golf-ball size hail reported at Jeannette area.									
<b>PUERTO RICO</b>									
NONE REPORTED									
<b>RHODE ISLAND</b>									
ALL areas	18	All Day			0	0	0	0	Heavy snow
Heavy wet snow struck again.									
	22	All Day			0	0	4	0	High wind heavy rain
Gusts of 50 to 70 MPH raked the state knocking down trees, signs and buildings. Many windows were blown out. 1 to 2 inches of rain fell flooding basements in the Providence area.									
<b>SOUTH CAROLINA</b>									
Union Community 10 Mi. East of Lancaster (Lancaster County)	4	12:20 P.M.	1.1	20	0	0	4	4	Tornado
Tornado damaged 5 homes and several barns. Killed 1 pony, destroyed a number of trees. Moved rapidly northeast.									
Central and Eastern S.C.	4	10:00 A.M. - 3:00 P.M.			0	0	4	3	Thunderstorm High Winds
An area of thunderstorms moved eastward across S.C. reaching the coast by mid afternoon. Wind damage to trees, homes, and utilities. Some affected areas were: Westgate Section of Lancaster... 4 mobile homes and several cars damaged. Murrells Inlet... Mobile home destroyed. Darlington... House Damaged. Lakely... One house and one mobile home damaged.									
Statewide	18	Afternoon					3	3	High winds
Strong winds of 30 to 50 MPH raked the state causing damage to trees, small buildings. roofs.									
<b>SOUTH CAROLINA (continued)</b>									
Statewide	31	Afternoon						3	High winds Heavy rains
Winds 30 to 60 MPH occurred, damaged mobile home nearasley with considerable amount of minor wind damage across all of S.C. Heavy rains of 4 to 6 inches caused flash flooding in the mountains and foothills.									
<b>SOUTH DAKOTA</b>									
Most of State	263	Both Days							Heavy Snow
A storm center moved from southeastern Colorado into the southeastern portion of Minnesota causing snow to fall over all of South Dakota on the second and third of March. Except for some areas in the northwest and northeast, the remainder of the state received an excess of four inches. Portions of the central part of the state reported snow depths of as much as 8-10 inches. In the extreme southeast, there was a narrow band in which snow depths were twelve inches or more. Since the winds which accompanied this storm were not extremely high nor were the temperatures excessively low, severe blizzard conditions did not exist and as a result, there was not a great loss of livestock nor property damage. Heavy snows with some amounts of 24 inches fell in the northern Black Hills. Schools and businesses in many areas closed midway on March 2 and remained closed on the third. There were periods when many of the highways were closed.									
Central Sections	11	Both Days					4		Heavy Snow
The second heavy snow of this month occurred when a storm moved eastward across Kansas. Precipitation as moderate rains fell in the eastern sections and as heavy snow in the central sections, where most of this area received amounts exceeding four inches. A number of counties reported snow depths of twelve inches or more. Several observers in Todd and Bennett counties reported snow depths of more than 24 inches. Interstate 90 was blocked in the central portion of state. Many travelers were stranded several days in small towns in that area. Four persons lost their lives because of exposure when they became lost in the storm. While the winds caused blizzard conditions, the temperatures were not excessively cold.									
Portions of South Central and Southwest	19	Evening							Heavy Snow
The snow from this storm fell in the southern half of the state. In the eastern portions of this area, the depths were less than four inches. In the southcentral and portions of the southwest sections, the accumulations were as much as nine to twelve inches. This area is sparsely populated and the property and crop damage was minimal.									
Grant County	26	4:15							Hail
Walnut sized hail occurred at Milbank. No damage resulted because period of hail was short and melted by subsequent rains.									
Western Sections	28	Parts of 29 all three days					2	5	Rain & Heavy Snow
This slow moving storm which started on Monday and continued into Wednesday produced heavy snow in the western sections. Northerly winds gusting to as much as 50mph created blizzard conditions in several counties in this area. Some of the snow drifts exceeded six to eight feet. Many "ole timers" state that this was the worst blizzard this quarter century. The twelve inch snow depths were south and west of a line from Camp Crook to Mission. Some areas in western Butte, Pennington, northern Shannon and Lawrence counties received more than 20 inches. A few locations in the northern Black Hills received more than four feet of snow. Because of blocked roads, schools and businesses were closed for several days. Westbound traffic on I-90 was halted. One life was lost due to carbon monoxide poisoning. The other was a result of exposure. An automobile accident on Monday, March 28 claimed three lives. Rains of one inch or more fell in the eastern half of the state. Milbank reported walnut sized hail.									
<b>TENNESSEE</b>									
Between Memphis and Millington, Shelby County	3	8:00 p.					1		Heavy rain
Heavy rain during the day caused the drainage ditches to fill rapidly. A nine-year-old youth while playing fell into the ditch, was swept away and drowned.									
Shiloh, Hardin County	4	5:00 a.					3	1	Heavy rain
Three persons were killed and another injured when three cars plunged from a wooden bridge after a section had been washed away by raging Owl Creek on Tennessee 142. The creek, normally 3 to 4 feet deep, was swollen to about 20 feet by heavy rains and swept away a 60-foot section of the bridge.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1977

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					KILLED	INJURED	PROPERTY	CROPS	
<b>TENNESSEE (continued)</b>									
Johnson City, Washington County	18	10:25 a.					5		High winds
		High winds clocked at 63 mph played havoc with the roof of the Minidome Sports Complex at East Tennessee State University. The wind ripped a 2000-square-foot hole in a large section of the aluminum roof.							
Lafayette, Macon County	28	5:34 a.	1/4	50			5		Tornado
		A small but violent storm destroyed 5 hangars and several airplanes. The tornado destroyed 4 out of 8 planes lined in a row and tied down on the ramp. Heavy hangar doors were lifted and blown off the tracks.							
Union City, Obion County	28	7:00 a.					5		High wind
		High winds during a thunderstorm took a roof off one building and despoiled it 100 yards away in some trees. Roofs on two other buildings were damaged. A large amount of merchandise was damaged at the Melody Music Shop.							
McKenzie, Carroll County	28	7:15 a.					5		High wind
		The 500-foot WTA-FM radio tower was leveled by high winds during a thunderstorm. The tower was set up to withstand wind forces up to 120 mph, but the tower was twisted like a pretzel by the wind.							
Cookeville, Putnam County	28	9:00 a.				1	5		High wind
		Winds gusting to 50 mph ripped loose a 500-foot section of the Fleet Guard Manufacturing plant roof. A Fleet Guard employee was injured and three cars were damaged.							
Oliver Springs, Anderson County	30	5:30 p.					5		Severe thunderstorm
		Strong winds clocked at 70 mph during a thunderstorm wrecked hangars and damaged at least 6 airplanes at the Atomic Airport. Trees and power lines were also downed.							
Jefferson City, Jefferson County	30	6:45 p.					5		Severe thunderstorm
		High winds ripped off the roof of the J&B Lamp Shade Company and the walls of the four-year-old building collapsed. The roof landed on a home directly behind the factory doing considerable damage. The J and Market building was also damaged. Most of the damage was around Tennessee 11-E, between Jefferson City and Morristown, much of it near the small community of Talbot.							
<b>TEXAS</b>									
<b>NORTHERN</b>									
Cooke County	2	8:00p-	4	*1/2	0	0	0	0	Hailstorm
		Civil Defense spotters reported 1/2 to 3/4 inch hail from the Muenster area east to Gainesville. No damage occurred.							
Denton County	2	8:45 p-11:00 p			0	0	0	0	Hailstorm
		A series of thunderstorms dropped 1 inch hail at Krum at 8:45 p.m. and 3/4 inch hail at Denton between 10 PM and 11 PM. No damage was reported.							
Boyd, Wise County	2	8:45 p-9:25 P			0	0	?	?	Hail and Rainstorm
		One inch diameter hail accompanied a downpour of 1.5 inches of rain within 15 minutes at Boyd. Damage was apparently negligible.							
Celina, Collin County	2	10:25 p			0	0	?	?	Hailstorm
		Golf ball size hail fell producing no known damage.							
Burleson area, Tarrant County	2	10:30 p			0	0	?	?	Hailstorm
		Storm spotters reported marble size hail with a few 1 to 2 inch diameter hailstones just north of Burleson.							
Greenville, Hunt County	3	3:00 a			0	0	?	?	Flash Flooding
		Heavy rains produced minor flash flooding in Greenville.							
2.7 W Athens, Henderson County	3	4:30 a	Short Narrow		0	0	4	0	Tornado
		A small tornado touched down near Highway 175, 2.7 miles west of Athens. Oil field equipment stacked on a moving tractor-trailer truck was blown off of the truck and scattered for 1/2 of a mile when the tornado moved across 175. A billboard was also destroyed. Barns and cattle feeders on nearby farms were damaged. Several trees were uprooted in the same area.							
Wichita Falls, Wichita County	10	7:45 p-7:50 p	1	Narrow	0	0	3	0	Windstorm
		Thunderstorm winds caused roof and porch damage at 10 residences. A portion of a galvanized roof on a lumber company storage shed was blown off and several trees were toppled.							
<b>TEXAS (continued)</b>									
<b>NORTHERN</b>									
3 NW Elysian Fields to 7 SE Waskom, Harrison County	11	11:35 a-11:45 p	10	75	0	0	3	3	Tornado
		At 11:30 AM, Shreveport radar indicated a possible tornado near Elysian Fields. A few minutes later, a tornado touched down 3 miles northwest of Elysian Fields producing spotty tree damage for three miles. A few minutes later, what was apparently the same funnel cloud touched down for the last time, producing a 1 mile long track of uprooted trees 7 miles southeast of Waskom. The tornado also caused fence and powerline damage. The same parent thunderstorm produced other tornadic activity near Springhill, Louisiana, and Fordyce, Arkansas, after moving northeast out of Texas.							
North Texas	27	Morning-Afternoon							Flash Flooding
		Rains of 4 to 6 inches were common across North Texas during the early morning of March 27. The general nature of the heavy rain led to serious flash flooding, particularly in and near the Dallas-Fort Worth area. Damage reports were received from the following counties:							
Palo Pinto County	27	Morning			0	0	3	4	Flash Flooding
		Heavy rains left several farm roads under water as well as streets in Mineral Wells and Palo Pinto. Although no drownings occurred in Palo Pinto County, two men were killed by carbon monoxide poisoning when they left their automobile motor running after becoming stuck in a water-filled ditch.							
Cooke County	27	Morning			0	0	4	0	Flash Flooding
		Minor street damage resulted from flooding along Pecan Creek.							
Wise County	27	Morning			0	0	?	?	Flash Flooding
		Heavy flash flooding was reported along rural areas of the West Fork of the Trinity River.							
Parker County	27	Morning			0	0	5	4	Flash Flooding
		Heavy road damage occurred from the flash flooding in Parker County. Moderate damage occurred to about 10 mobile homes and 10 service buildings. 35 to 40 mobile homes were evacuated along the Brazos River at Horseshoe Bend when rising water threatened the area. Most points within the county reported 24 hour rainfall totals of from 5 to 7 inches.							
Collin County	27	Morning			0	3	6	6	Windstorm and Flash Flooding
		Severe damage occurred from high thunderstorm winds and flash flooding. Strong winds completely destroyed 2 mobile homes near Anna. Outbuilding damage was reported in the same area. Three minor injuries occurred when the mobile homes were destroyed. Rainfall amounts in excess of 5 inches were common over Collin County. Flash flooding resulted in heavy soil erosion. Some 3000 acres of grain sorghum were destroyed by the flooding. Numerous pieces of farm machinery were damaged by the high water, as were county roads.							
W of McKinney, Collin County	27	4:54 a	Short Narrow		0	0	5	0	Tornado
		What was probably a small tornado destroyed several hangars, out-buildings, and a number of airplanes at the Aero County Airport between McKinney and Prosper. Debris was rolled up into twisted piles of steel which littered the entire area. Only two airplanes were salvageable after the tornado occurred.							
Grayson County	27	Morning			0	0	?	?	Flash Flooding
		Extensive flash flooding resulted in scattered road damage in Grayson County.							
Johnson County	27				0	1	?	?	Flash Flooding and Windstorm
		High water entered several businesses and washed out several county roads after almost 5 inches of rain fell in the county. High winds were reported but the only damage was at Liberty Chapel where a barn was unroofed. One Cleburne man was severely shocked when he picked up a hot electrical line in his rain-soaked back yard.							

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					KILLED	INJURED	PROPERTY	CROPS	
<b>TEXAS (continued)</b>									
<b>NORTHERN</b>									
Tarrant County	27	Morning			3	0	6	5	Flash Flooding
									Severe flash flooding resulted in 3 drownings and heavy dollar damage in Tarrant County. Two boys were killed in southeast Fort Worth after they were swept into a culvert running under Loop 820. The bodies were found tangled in brush near the culvert the following day. Another boy was killed in far east Fort Worth when he was swept off of his horse by flood waters from the Big and Little Fossil Creeks. The boy and his grandfather were attempting to rescue stranded cattle on the grandfather's farm.
12 NW Glen Rose, Sonerville County	27	Morning			1	0	0	0	Flash Flooding
									Private and property damage was well over 1 million dollars. Damage was widespread but most severe along Johnson Creek in Arlington. About 200 homes were flooded in Arlington and heavy water damage occurred at the Six Flags Amusement Park. 438 farms received crop or livestock losses. Heaviest crop losses were to grain sorghum, small grain crops, and vegetables.
Dallas County	27	Morning			1	0	6	5	Flash Flooding
									Minor flooding was general across Dallas County. Flooding was severe along Bear Creek and Johnson Creek in the Grand Prairie area. A man drowned in a mobile home park in Grand Prairie when he was swept under his pick-up by raging waters from Bear Creek. Many families had to evacuate their homes in Grand Prairie, Irving, Dallas, Plano, and Balch Springs. Near Farmer's Branch, a train was derailed at a washed out bridge over Sawhide Creek. The heaviest monetary loss was in residential areas of Grand Prairie.
Wills Point, Van Zandt County	27	7:30 p - 7:45 p	10	2	0	0	0	?	Hail and Windstorm
									Ice cube size hail and brief high winds accompanied a fast-moving thunderstorm through northern Van Zandt County. The hail fell in a swath from 9 miles southwest of Wills Point through the town.
Sulphur Springs, Hopkins County	27	8:10 p						?	Hailstorm
									The Wills Point storm moved rapidly into Hopkins County, producing negligible damage but an odd assortment of hailstone shapes. Reports were received of round, golf ball size hail, long, finger-like hail, and flat, silver dollar-shaped hailstones.
<b>TEXAS</b>									
<b>SOUTHERN</b>									
3E Burnet, Burnet County	3	5:10a - 5:20a	-	-	0	2	4	0	Windstorm
									A storm, moving east northeastward across a mobile home community near Burnet, injured two (2) residents, demolished one mobile home and badly damaged another. Winds were estimated to be 60-70 mph and pea-size hail accompanied the storm.
Castroville, Medina County	3	3:35p	-	-	0	0	0	0	Hailstorm
									Hail 3/4 inch in diameter was reported near Castroville. Most hail was pea-size. Thunderstorms developed rapidly over Medina County and moved east northeastward into Bexar County dropping pea-size hail in various sections of San Antonio.
<b>TEXAS</b>									
<b>WESTERN</b>									
All of West Texas	10	Morning thru of 10th to Afternoon of 12th			0	1	6	7	Windstorm and Duststorm
									Thursday through Saturday strong, gusty wind occurred over much of West Texas. The wind started in the El Paso area first and moved eastward across all of West Texas by the 11th. In the El Paso area damage to real and personal property was estimated at \$250,000. Most of the damage was in the form of roof and window damage to homes, tree damage and signs and utility lines blown down. WSO, El Paso recorded a peak wind gust of 84 mph at 3:19 PM MST on the 10th.
									Only minor damage was reported in the South Plains area with one minor injury reported due to two school buses colliding near Ralls. The police reported numerous fender-benders because of poor visibilities. Peak wind reached 58 mph on the 11th at Lubbock causing widespread soil erosion, particularly where land was not prepared. Visibility was reduced to one half mile or less most of the afternoon of the 11th.
									The wind was strongest in the northern Panhandle where unconfirmed reports of wind up to 100 mph were received from Stratford. At WSO, Amarillo the peak wind was recorded at 76 mph and visibility was reduced to zero to 5/8 mile from near noon to 9 PM MST on the 11th. Property damage was estimated at one million dollars. Crop damage, approximately 25% of the winter wheat crop (estimated value 25 million dollars) was destroyed.
<b>TEXAS (continued)</b>									
<b>WESTERN</b>									
Tom Green County	10	9:20 PM	?	?	0	0	0	0	Hail
									Hail to 1 3/4 inch in diameter fell briefly. No damage reported.
South Plains	17	6 AM - 6 PM			0	0	5		Windstorm and Duststorm
									High wind and poor visibilities returned with peak wind recorded at 55 mph in Lubbock. Throughout the area visibility was reduced to less than one half mile during the afternoon with sand drifts building up as high as 10 feet between Springlake and Littlefield. Damage was mostly to roofs, trees, billboards and blown down fences.
Near Lockney, Floyd County	27	1:00 PM							Funnel cloud
									Law enforcement personnel observed funnel cloud. Did not touch down.
Just north of Plainview, Hale County	27	1:00 PM							Funnel Cloud
									Law enforcement personnel observed funnel cloud for a few minutes.
Near Tullia, Swisher County	27	1:20 PM							Funnel clouds
									Public reported funnel clouds, observed for only a few minutes.
14 Southwest Amarillo, Randall County	27	1:21 PM							Funnel cloud
									Reported by the Department of Public Safety.
Near Plainview, Hale County	27	2:00 PM							3 Funnel clouds
									Public reports.
North of Petersburg, Floyd County	27	2:30 PM							2 Funnel clouds
									Public reports.
12 Southwest of Silverton, Eriscoe County	27	2:30 PM							Funnel cloud
									Sheriff's office at Silverton reported funnel going up and in cloud.
10 North of Silverton, Eriscoe County	27	3:30 PM							Funnel cloud
									Potter County Sheriff relayed report.
18 Southwest of Turkey, Floyd County	27	3:45 PM							Funnel cloud
									Reported by Department of Public Safety.
<b>UTAH</b>									
Weber, Tooele, Utah, Davis, and Salt Lake Counties	9	5:00 p - 8:00 p	0	0	0	0	5	0	High Wind
									Strong winds associated with a strong winter cold front moved rapidly through Northern Utah during the afternoon and early evening. Snow with this storm was generally light but it reduced visibilities markedly while carried by strong gusty winds. Peak gusts of 49 mph were reported at the Salt Lake City Airport. Gusts to 70 mph were estimated in downtown Salt Lake City, the southern part of the Salt Lake Valley, near Tooele and in parts of Provo. Many auto accidents were reported, several large roofs were blown away, many trees and power lines were felled and damages to an outdoor theatre screen were noted in Provo. Total damages for the storm were estimated at \$50,000.
<b>VERMONT</b>									
AREA WIDE	12,13,14				0	0	6	4	RAIN
									Rain, which began the night of the 12th and continued throughout the 14th, in conjunction with warming temperatures, caused snowmelt and ice jamming problems throughout the state. Southern Vermont was hardest hit...in particular along the Connecticut River in the counties of Windsor and Windham, where there was an 8 mile ice jam between the Towns of Weatherfield and Windsor. Road and Railroad damage was reported as well as a sewage treatment plant in Windsor. Also, many homes suffered flood damage.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>VIRGINIA</b>									
Northumberland and Richmond Counties	4	4:15 p			0	0	4	0	Wind
Walls of cinderblock building fell outward in all directions while roof was picked up and set on boat; damage estimated at \$30,000. The storm, which moved from west to east, was apparently responsible for breaking numerous telephone poles in Richmond County, prior to hitting the building near Lewisetta, Northumberland County.									
Cape Charles, Northampton County	13	7:30 a			0	0	2	0	Wind
Very localized squall sunk several boats, blew down a few television antennas, and destroyed a small metal storage building. Boats were not damaged; other losses estimated at less than \$200.									
Pearleburg (5S), Giles County	18	3:30 p			0	0	3	0	Wind
Apparent straight-line, localized, wind storm tore off sections of roof, a chimney and some windows of frame house. Trees were also uprooted and a portion of henhouse carried away, on an adjoining property. Total damage estimated at \$4,500.									
Warrenton, Fauquier County	18	Afternoon			0	0	4	0	Wind
Wind caused 8 of 12 light poles at baseball field to topple to the ground, while the remaining ones were left leaning badly. Cost of replacement was estimated at \$30,000.									
Statewide	22-23				1	3	5	0	Wind
Strong winds, gusting up to better than 60 mph in places, caused widespread damage. Near Culpeper a van travelling south on US 29 was hit by large tree as it fell across highway, killing one occupant and seriously injuring another. Near Dumfries, motorist suffered facial cuts and auto damage estimated at \$3,000 when tree fell on it. Mobile homes also fell victim to the storm: one near Gloucester collapsed about one occupant, injuring her slightly; two other homes, one in Nelson County and the other in Shenandoah County were damaged extensively. In addition, fallen trees caused considerable havoc, by blocking roads, tearing down power lines or falling on homes or parked vehicles.									
<b>VIRGIN ISLANDS</b>									
NONE REPORTED									
<b>WASHINGTON</b>									
NONE REPORTED									
<b>WEST VIRGINIA</b>									
Raleigh & Greenbrier Counties	18	morning			2	0	5	0	Wind
Friday morning an intense warm front moved through southern West Virginia accompanied by wind gusting to 70 mph. An intense, rapidly moving storm passed north of the state during the day keeping winds strong and gusty well into Friday night.									
About 8:45 AM a child of 18 months was killed at Dorothy in northeast Raleigh County. The mobile home he was in was blown over by winds of 50 to 70 mph.									
Shortly after noon, a man driving a small compact car on I-64 near White Sulphur Springs lost control of his car when high winds swept across the area.									
<b>WISCONSIN</b>									
Statewide	2-4				0	0	?	0	Winter storm
A complex winter storm hit Wisconsin late March 2 and continued into the 4th. Heavy snow developed in the northwest portion of the state late March 2ed and sleet and snow pushed into the southeast section by early the 3rd. The precipitation changed to rain in the southeast portion of Wisconsin March 3rd. 4 to 10 inches of snow fell in the north and central portions by the evening of the 3rd. A second surge of precipitation pushed into the state from the south late on the 3rd. 1 to 4 inches of new snow fell over extreme north and northeast Wisconsin and rain fell in the south and east. Only traffic problems and some minor power outages occurred during the storm.									
North Portions & East	17-18				0	0	?	0	Winter storm
Heavy snow occurred over all but the southwest portion of Wisconsin March 17 and continued until early March 18. Amounts ranged up to 8 inches at Milwaukee. Rain and sleet was mixed with snow in the south portion. No serious problems were caused by the storm but moderate winds and minor drifting occurred. The high moisture content of the snow was beneficial to the agricultural interests in the southeast portion.									
<b>WYOMING</b>									
SE Wyoming	10	Noon			0	0	5		Blizzard
	11	Mid-afternoon							
Blizzard got underway about noon and soon blocked traffic and high winds caused damage to trees, power lines, roofs and windows in Laramie, Albany, Platte and Soshen Counties.									
NE Wyoming	29	Mid-morning			0	0	4		Blizzard
	30	Evening							
Blizzard got underway mid-morning and caused road blockage, school closings, business disruption. Winds were not strong enough to cause significant damage.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

**THE FOLLOWING ARE LATE REPORTS, CORRECTIONS, AND DELETIONS:**

LATE REPORTS									
<b>MISSOURI</b>									
NOVEMBER 1976 NONE REPORTED									
<b>ALABAMA</b>									
Talladega County	1	6:16a			0	2	3		Ice Storm
Truck carrying workmen slid on icy street in Talladega and collided with train. Two were injured.									
Monroe County	1	6:45a			0	1	3		Ice Storm
Car skidded off road on ice near Vredenburgh. One was injured.									
Greene County	23	7:00p	1/4	30	0	0	5	0	Tornado
Small tornado dipped down, did extensive damage to two business buildings in Eutaw and unroofed several houses. No injuries.									
Houston County	24	1:00a	1/4	300	0	1	3	0	High Winds
High winds at Ashford damaged several mobile homes, turned over an automobile and damaged roofs of several houses. One minor injury in a mobile home.									
<b>KANSAS</b>									
Cherokee County	23	1:00 a			0	0	5	0	Wind
Strong winds caused damage to roofs, trees, utility lines, and mobile homes principally near Galena. The storm moved east into Missouri.									
West portion of the State	23	All day					4	5	Wind
High winds caused blowing dust restricting visibility from zero to 1/2 mile for approximately 12 hours halting highway traffic. Heaviest dust was west of a line from Colby to Ness City to Colowater. Winds reached 61 mph at Goodland, 75 mph at Colby, 78 mph at Hays, and 100 mph in extreme west Sherman County. Property damage was to roofs and mobile homes, heaviest around Kanorado. Crop damage from blowing dust was estimated to 15,000 acres with 3600 acres completely destroyed.									
<b>NEW YORK</b>									
CENTRAL									
LEWIS AND JEFFERSON COUNTIES	3-4	4:30PM on 3rd to 6AM on 4th							SNOW
Eight to twelve inches of new snow closed roads, caused numerous traffic accidents and resulted in a number of barns collapsing due to the weight of the snow. A storage garage in Black River about 3 miles outside of Watertown also collapsed under the pressure of six feet of snow that had built up on its roof due to a previous storm at the end of January. Nine persons were reported injured in one traffic mishap on Rte. 26, 1/2 mile south of Turin in Lewis Co.									
SULLIVAN, ULSTER AND ORANGE COUNTIES	3								SNOW
During the afternoon one to six inches of snow caused several traffic accidents and closed several schools in the area.									
HERKIMER, MADISON AND ONEIDA COUNTIES	6	DURING THE DAY							WIND AND SNOW
20 to 40 MPH winds and local snow squalls caused a number of roads to be closed due to drifting snow in Herkimer County. A Utica man was injured when he fell from the roof of his home while shoveling snow in Herkimer County. Numerous traffic accidents were reported. One woman died in a traffic accident in the Town of Cazenovia on Rte 92 and West Lake Rd., in Madison County.									
AREAWIDE	20-21	4A on 20th to 5 AM on 21st							SNOW
Five to sixteen inches of snow caused numerous traffic accidents throughout the area.									
COLUMBIA, DUTCHESS, ORANGE, ULSTER, AND PUTNAM COUNTIES	24				0	0	5	0	RAIN
Heavy rains during the evening in connection with warm temperatures and melting snow caused flooding along Navayanda Creek, Wappingers Creek and the Wallkill River. There were reports of numerous power outages, a rash of flooded basements and many areas of flooded streets, roads and highways, due to the two to three inches of rain that fell over the area. Also due to the heavy rain, there was a rockslide on Rte 218, between Cornwall and West Point in Orange County.									
CLINTON, ESSEX AND NORTHERN WASHINGTON COUNTIES	25								SNOW
During the day and night six to eight inches of wet snow caused numerous traffic accidents and power outages.									
LEWIS AND JEFFERSON COUNTIES	28								SNOW
During the night three to four inches of snow caused slippery roads and several traffic accidents. Four to six inches of snow with gusty winds in Jefferson Co., caused blowing and drifting snow closing several schools in Carthage.									

LATE REPORTS									
<b>NEW YORK (continued)</b>									
WESTERN									
All Counties	1	See January 1977 Storm Data							Blizzard
<b>VERMONT</b>									
AREA WIDE	20/21								SNOW AND WIND
Snow beginning the morning of the 20th, continued through the day and night ending the morning of the 21st. Total amounts of six inches in Central and Southern areas and one to three inches elsewhere were reported. Blowing and drifting snow especially during the night time period caused hazardous driving conditions and numerous incidences of autos slipping off the roadways.									
AREA WIDE	24/25								SNOW AND FREEZING RAIN
A mixture of snow and freezing rain beginning during the night of the 24th and continuing into the afternoon of the 25th, caused hazardous driving conditions as well as scattered areas of power outages. Four to seven inches of snow had fallen in the lowlands and up to twelve inches was reported in the mountains; however, only one to three inches was reported in the Lower Connecticut Valley with a mixture of heavy rain at times.									
<b>CORRECTIONS</b>									
<b>PENNSYLVANIA</b>									
WESTERN									
Entire district	28				1	6	5	?	Blizzard
A blizzard with snow, wind and blowing snow moved across Western Pennsylvania during the day, causing numerous auto accidents, including the following... in Allegheny County, near Pittsburgh, 15 cars and 1 bus involved in chain reaction accident during blinding wind and snow; in Erie County, 14 cars involved in a similar accident; also near Erie, a United Parcel van was blown off the road. Near New Bloomfield, a woman died after being struck by a truck during a blinding snow-storm. Six people were injured in 2 separate accidents occurring within minutes of each other on Route 35 near Brookville during weather conditions that involved zero visibility due to blowing snow as well as slippery ice-covered roads. Many other accidents reported throughout the area as most roads were snow covered with drifts up to 6 feet or higher and many declared impassable.									
<ul style="list-style-type: none"> <li>o Includes crop damage.</li> <li>C Crop damage.</li> <li>* Miles instead of yards.</li> <li>** Yards instead of miles.</li> <li>† Storm damages are placed in categories varying from 1 to 9 as follows:                             <ul style="list-style-type: none"> <li>1 Less than \$50</li> <li>2 \$50 to \$500</li> <li>3 \$500 to \$5,000</li> <li>4 \$5,000 to \$50,000</li> <li>5 \$50,000 to \$500,000</li> <li>6 \$500,000 to \$5 Million</li> <li>7 \$5 Million to \$50 Million</li> <li>8 \$50 Million to \$500 Million</li> <li>9 \$500 Million to \$ 5 Billion</li> </ul> </li> </ul>									
<p>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 June and December issues of this publication.</p> <p>SUBSCRIPTION PRICE: \$3.60 a year; \$4.80 additional for foreign mailing; 30¢ single copy. Make checks payable to Department of Commerce, NOAA; send payments and orders to: National Climatic Center, Federal Building, Asheville, NC 28801. Attn: Publications.</p> <p style="text-align: right;">USCOMM-NOAA-ASHEVILLE, N.C. 5/16/77-1700</p>									

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