

STORM DATA



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STORM DATA AND UNUSUAL WEATHER PHENOMENA

FEBRUARY 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA	NO STORM DATA REPORT RECEIVED FOR THIS STATE								
ALASKA									
Southeast	6	afternoon and evening			0	0	5	0	wind and rough seas
	A storm developed about 600 miles west of Seattle on the morning of Feb. 6. It moved northward about 40 knots and intensified rapidly. The center was west of Ketchikan that evening and the system dissipated near Skagway late on the night of Feb. 6-7. Peak winds: Annette Island - 140° 61 knots at 10:47 PM PST Feb. 6; Ketchikan - 140° 75 knots at 11:53 PM PST Feb. 6. There was some damage to the dock at Ketchikan and some minor damage to buildings at Annette Island. The 184 foot vessel "Snowbird" sustained damage west of Annette Island in 30 foot seas and had to be escorted to safe waters by another ship. Damages totalled about \$60,000.								
ARIZONA									
Swift Trail Junction Graham County	24	5:00 p.			0	2	5	0	Wind
	Wind estimated at 70 m.p.h. from off Mt. Graham ripped through this small community, 6 miles south of Safford, and damaged six trailer homes, five totally. Two men were injured, one seriously. One trailer was blown 100 feet and another 50 feet. Damage estimated at \$60,000.								
ARKANSAS									
Fort Smith Sebastian County and Southern Crawford County	23	3:00 a. to 3:15 a.			0	0	?	?	Wind and Hail
	Intense thunderstorms moving through the area produced very strong winds and hail up to two inches in diameter. The winds overturned a mobile home in southern Crawford County.								
Booneville Logan County	23	4:25 a.	2	150	0	1	5	0	Tornado
	A small tornado moving toward the northeast briefly touched down in Booneville. A local lumber company sustained major damage. In addition, a barn was destroyed and a mobile home was overturned. Several stores in the downtown area lost windows. The driver of a tractor-trailer sustained minor injuries when his rig was overturned by the strong winds. Total damage was nearly one-hundred thousand dollars.								
Yell County	23	5:00 a. to 5:30 a.			0	0	5	0	Winds
	Winds generated by thunderstorms moving through the county caused considerable damage. The majority of the damage occurred in the Carter Cove Community which is three miles south of Plainview. In this area seven residences and eight mobile homes sustained considerable damage. Numerous outbuildings also sustained major damage. Lesser damage was also reported in other sections of the county with total damage of nearly ninety thousand dollars.								
Texarkana Miller County	23	5:45 a.			0	0	5	0	Winds
	Strong winds generated by thunderstorms unroofed several buildings at the College Hill Shopping Center. Damage was estimated to be nearly seventy-five thousand dollars.								
Shirley Van Buren County	23	6:00 a.			0	0	4	0	Winds
	Winds generated by thunderstorms moving through the area blew over a new brick and concrete block wall at the Shirley High School. The wall was part of a new gymnasium under construction. Damage was estimated to be nearly ten thousand dollars.								
Conway County	23	6:10 a. to 6:30 a.			0	0	4	0	Wind
	Strong winds generated by thunderstorms moving through the county resulted in roof damage and damage to outbuildings at scattered locations. However, the majority of the damage was centered in the Hattieville area. Total damage was estimated to be almost ten thousand dollars.								
Sheridan Grant County	23	8:00 a.							Funnel Cloud
	Public reported a funnel cloud moving toward the northeast.								

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ARKANSAS (continued)									
2-1/2 Miles South- west of Grapevine Grant County	23	8:16 a.							Funnel Cloud
	Emergency Services Coordinator reported a funnel cloud moving toward the northeast.								
Maynard Randolph County	23	9:15 a. to 9:30 a.			0	0	4	0	Wind
	Strong winds generated by thunderstorms destroyed two mobile homes and several outbuildings. Roof damage was also scattered in the city. Damage was estimated at forty thousand dollars.								
Jonesboro Craighead County	23	10:00 a. to 10:30 a.			0	0	4	0	Wind
	Thunderstorms moving through the city produced very strong winds. These winds destroyed three mobile homes and badly damaged several automobiles. In addition two airplanes at the local airport sustained major damage. Roof damage was also scattered around the city. Total damage was estimated to be nearly forty thousand dollars.								
Goenell Mississippi County	23	11:15 a.			0	0	4	0	Winds
	Winds generated by thunderstorms moving through the city destroyed one mobile home and tore the roof off another mobile home several blocks away. Additional minor damage was also reported in the city. Damage was estimated to be fifteen thousand dollars.								
CALIFORNIA									
NORTHERN & CENTRAL	NONE REPORTED								
CALIFORNIA									
SOUTHERN									
Orange County	24	11:25 a.	?	?	0	0	0	0	Water Spout
	Two water spouts were reported 2 miles west of Dana Point.								
COLORADO									
Mountains, San Luis Valley, Southeast Plains	22	early through 24 late			0	0	0	0	Heavy Snow
	Eight inches of snow dropped at Aspen with up to a foot in surrounding mountains. Vail reported 5 inches in town; Rabbit Ears Pass received over 7 inches; Wolf Creek Pass had 12 inches; with up to 8 inches at Elkton near Crested Butte in the central mountains. Several mountain passes were closed as winds up to 70 mph made driving hazardous in blowing snow. The Monarch Ski Area received two feet of snow, causing cancellation of the annual winter carnival. Four to 10 inches of snow were reported in the San Luis Valley and eastward across the Sangre De Cristo Mountains and into the La Junta and Trinidad areas on the south-east plains. Walsenburg had 10 inches of new snow.								
Eastern plains	23	0900- 1800			2	1	6	7	Wind and Dust
	Winds of 60 to 100 mph raked over most of the eastern plains. Great clouds of dust reduced visibility to near zero in many areas. One woman was killed when her parked car was hit by a truck, 11 miles north of Limon due to low visibility in dust. A man was killed in a four-vehicle crash, six miles west of Holyoke due to heavy dust storms. One man was injured when his pickup truck was overturned into a ditch by a strong wind gust northeast of Fort Morgan. Gusts of 70 mph were recorded at Akron; 93 mph reported at Doles; with many reports of around 100 mph elsewhere. A wind of 85 mph was reported at Springfield in the southeast corner of the state. Schools were closed in many areas, including Kit Carson, Limon, and Arapahoe. Many highways were closed. Many power lines were blown down, sheds damaged, and roofs yanked off buildings. Some residents called it the worst storm since the 1950's. Soil Conservation Service estimated that 10 percent of the wheat crop, or 250,000 acres, was destroyed; and an additional 757,000 acres of cropland and 130,000 acres of rangeland were damaged by wind erosion. Winds along the foothills were not as severe as in the lower plains; however, a 90 mph wind destroyed an experimental windmill at Rocky Flats nuclear plant to the northwest of Denver.								

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CONNECTICUT Statewide	5	All day			0	0	0	0	Heavy snow
									Heavy snow fell across most of the state leaving up to 8 inches.
Southern portions	21	All day			0	0	0	0	Heavy snow
									4 to 6 inches of snow piled up across the southern areas.
DELAWARE			NONE REPORTED						
FLORIDA			NONE REPORTED						
DESTIN, OKALOOSA CO.	23	11:45 PM CST	3/10	10	0	0	4	0	TORNADO
									A SMALL TORNADO BLEW THE ROOFS OFF OF A MOTEL AND ONE HOUSE. ABOUT 25 CARS IN THE PARKING LOT OF THE MOTEL HAD MOST OF THEIR WINDOWS BROKEN OR BLOWN OUT. DAMAGE WAS ESTIMATED AROUND \$20,000.
KISSIMMEE, OSCEOLA CO.	24	9:04 AM EST	3/10	10	0	0	4	0	TORNADO
									A SMALL TORNADO STRUCK A MOTEL NEAR KISSIMMEE BLOWING IN WINDOWS AND DAMAGING THE ROOF. A NUMBER OF CARS AT THE MOTEL WERE DAMAGED. TOTAL DAMAGE ESTIMATED \$30,000.
UNION PARK, ORANGE CO.	24	9:15 AM EST	1/10	10	0	0	3	0	TORNADO
									A SMALL TORNADO TOUCHED DOWN BRIEFLY AT A VEHICLE PAINT AND BODY REPAIR SHOP WITH ABOUT \$500 IN DAMAGE. THE TORNADO WAS OBSERVED BY THE OWNER AND HIS SON.
GEORGIA Marion County	24	1:30 am	1/2	50	0	0	5		Tornado
									Small tornado hit the main business section of Buena Vista causing damage to almost every business on the courthouse square. Mostly roof and window damage. At least one mobile home damaged. Movement unknown.
Southwest and South-central Georgia	24	Early morning			0	0	6		Wind
									Damaging winds hit many sections of southwest and southcentral Georgia between midnight and 4 AM. The area was between Columbus, Bainbridge, Valdosta, Vidalia and Madon. Several mobile homes, barns, and chicken houses were destroyed or damaged and trees and power lines were downed.
HAWAII 10 mi. SE of Kokohead Oahu	12	5:45p.-6:23p.							Waterspouts
IDAHO			NONE REPORTED						
ILLINOIS West-Southwestern Illinois	23	Morning			0	0	3	0	Thunderstorms, Wind
									Thunderstorms swept across portions of west-southwestern Illinois, causing widespread damage. Very high winds flattened several barns, blew over trees and power lines in Macon, Calhoun County. Belleville, in St. Clair County, suffered heavy tree limb damage. At 9:30 a.m. in Greenville, Bond County, a gust of wind damaged the roof at the Greenville Elementary School and blew out a large plate glass window at the American Legion Hall. A funnel was reported by the public near Pierron, also in Bond County. At 8:45 a.m. strong winds caused considerable damage to Monroe County. At Columbia, 6 miles north of Waterloo, portions of a roof of a small machine shed and a cattleshed were blown away and 2 small pig houses were overturned. A garage door was torn off by the powerful wind and a wooden fence collapsed on a farm 1/2 mile southwest of Columbia. At Owenedo, Christian County, high winds damaged a machine shed, a grain bin, electric power lines and trees on a farm, and destroyed a portion of a front porch on another residence on the east side of town.
Danville Area, Vermillion County	23	Evening			0	0	?	0	Wind
									Wind gusts up to an estimated 50 miles per hour caused power outages for periods of up to 6 hours at North Danville, Catlin, and in an area just south of Catlin, as well as brief cuts in power in Oakwood.
ILLINOIS (continued)									
Galesburg, Knox County	24	Afternoon			0	0	2	0	Wind
									Strong winds blew off a trailer roof at Sandburg Lake Estates.
Cook and Dupage Counties	25	Morning			0	0	?	0	Wind
									High winds blew down power lines in the northern and western suburbs of Chicago, cutting off electricity to over 4800 residents.
INDIANA			NONE REPORTED						
IOWA Mason City, Cerro Gordo County	23	2:10 p	100 ft.	40 ft	0	1	5	0	Tornado and rain
									Tornado touched down on house in Mason City lifting roof and virtually destroying house, with neighboring home receiving extensive roof damage. Rain after tornado added to damage.
2NW Mason City, Cerro Gordo County	23	2:54 p							Funnel
									Funnel cloud spotted by railroad crew (funnel heading northeasterly).
KANSAS			NO STORM DATA REPORT RECEIVED FOR THIS STATE						
KENTUCKY			NONE REPORTED						
LOUISIANA			NONE REPORTED						
MAINE Statewide	24-25	Daylong			0	0	5	0	Northeast Rain and Snow
									Northeaster slammed into the state around daybreak on the 24th. Precipitation began as snow then changed to freezing rain (glaze) in the afternoon then to rain early in the 25th. Winds became gales on the 25th with over 50 mph recorded at Portland and up to 70 mph off the coast. Rains (nearly 2 inches) caused severe urban flooding. Glaze and snow caused many traffic accidents with injuries and damages to vehicles. Winds caused power outages and widespread structural damage from falling trees and limbs. Flooding of basements and roofs with heavy damages. Streets and highways reportedly damaged from flooding and washouts. Moderate beach erosion and resulting damage to roads and structures.
MARYLAND & D.C. Garrett County	4-5				0	0	0	0	Snow, Wind
									Snowstorm that developed the evening of the 4th and continued over night, brought another 10 inches to boost the total snowfall for the County to 127 inches this year. Drifting due to high winds resulted in one lane traffic on Route 89 west of Oakland.
Pikesville, Baltimore County	5	All Day			0	0	4	0	Wind
									Portions of large building under construction were toppled. Damage estimated at \$8,000.
MASSACHUSETTS Western portions	20	All day			0	0	0	0	Heavy snow
									5 to 10 inches of snow fell across the area as still another winter storm moved up along the Eastern Seaboard.
MICHIGAN An area west of Petoskey, Saginaw, Jackson and Hillsdale line	1-10				0	0	5		Drifted snow
									Moderate westerly winds in combination with deep snow cover and sub-freezing temperatures. Rural road remained snow blocked forcing dairy farmers to dump milk. Many farm and business buildings damaged by snow and ice. Buildup on roofs. 1,135 hogs found smothered in deep snow. Eaton, Allegan, Mason, Van Buren and Cass counties hardest hit.

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MINNESOTA									
STATEWIDE	23-24	-	-	-	0	1	6	0	ICE STORM
<p>Storm center developed over Colorado morning of Tuesday 22nd. Moved to Southeast Nebraska by Midnight Wednesday 23rd with snow and rain entering Southern Minnesota. Center advanced to Iowa by sundown and weakened somewhat, with precipitation throughout state; snow in the North and a combination of rain and freezing rain in the South. Low center reintensified over Southeast Minnesota during night hours of Thursday 24th before continuing Northeastward into Wisconsin, and eventually Lake Superior and Ontario, with snow and blowing snow continuing over much of State before ending on Saturday 26th.</p> <p>Combination of rain, ice, and wind over Southern two-thirds Minnesota and four to 12 inches new snow Northwest third. Freezing rain and heavy icing on powerlines caused possibly the worst power failure in a decade in the Twin Cities with approximately 125,000 homes affected. Three major Northern States Power generating plants temporarily out of service. Many traffic signals inoperative. About 70 persons in Twin Cities Area who lost heat due to electrical outage were placed in hotels by Red Cross. Some airport radio equipment inoperative, flights delayed, with buses and Amtrak Train also reported late. Extensive delays reported by Yellow Cab Company. Many storm sewers blocked by ice with standing and freezing water in streets. Several treated for injuries from falls with one hospitalized.</p> <p>Power outages over numerous areas of Southern and Central Minnesota. Many roads ice-covered with numerous "fender bender" accidents and many cars in ditches. Three semi-trailer trucks tipped near St. Cloud. Truck jack-knifed East of St. Cloud causing seven-car pile up. Truck-car collision 10 miles South Duluth due icy road. 75-80 mph winds reported in Duluth with dozens of accidents on slippery, hilly, Duluth streets. Many roads blocked Northwest Minnesota with a number of schools closed around state. Ice Storm in Benson, Swift County, called worst natural disaster in Cities history with either major or minor damage to all trees, which were shattered and splintered by wind and ice. Some rural patrons without power more than 24-hours.</p>									
MISSISSIPPI									
Pace Bolivar County	22	3:30 PM			1	0	?	0	Wind
<p>A 15 yr. old girl was killed when an old condemned building collapsed from strong winds and fell on her as she was walking in front of the building. Winds were 20 mph sustained with gusts near 40 mph. This was not a storm related death since no severe weather or thunderstorms were in the area at the time.</p>									
Lake Dockery, Hinds County	23	2:15 PM	1/2	200	0	0	4	?	Tornado
<p>A small tornado touched 1 mi. SW of Lake Dockery or about 10 Mi. SSW of Jackson moving NNE for about 1/2 mi. Several buildings sustained minor damage and some trees and power lines were downed. One residence suffered extensive damage while one other house and one commercial building received minor damage. Total damage \$10,000.</p>									
Jackson, Hinds County	23	2:30 PM			0	0	1	?	Hail, Heavy Rain
<p>Golf size hail fell in South Jackson while one inch hail was reported in northern sections of the city. Heavy rains caused local street flooding with more than one inch falling in a few minutes. No damage reported.</p>									
McCool, Attala	23	3:15 PM	10	100	0	0	5	4	Tornado
<p>A tornado touched down 7 mi. SW of McCool and moved NE to 3 mi. NNE of McCool. Two homes, two mobile homes, and two service buildings were destroyed while one other mobile home and two service buildings received major damage as did five other homes, and two pieces of farm equipment. Seven head of cattle were lost. Property damage \$50,000. Timber damage \$40,000.</p>									
Renfro, Leake County	23	3:20 PM	8	175	0	1	5	?	Tornado
<p>A tornado touched down at a poultry farm 1 mi. SW of Renfro and traveled NE for 8 mi to 2 mi. S of the intersection of Highways 19 and 25 destroying 3 homes, two house trailers, several barns, sheds, and outbuildings. Several other homes and farm buildings received major damage. One injury. Damage \$160,000.</p>									
Louisville, Winston County	23	4:00 PM	15	350	2	5	5	5	Tornado
<p>A tornado produced by the same thunderstorm that spawned the tornado in Renfro, touched down 13 mi. SW of Louisville making sharp turns to the north before lifting 4 mi. NW of Louisville near a forest ranger tower. The tornado hit the Shiloh community 10 mi. SW of Louisville inflicting heavy damage and killing 2 persons and injuring 5. One of the injured died the following week in the hospital bringing the fatality toll to 2. Twelve homes and one trailer were destroyed. Other damage included several vehicles and 20 farm structures. Timber damage estimated \$50,000-\$75,000. Property damage \$150,000.</p>									
MISSISSIPPI (continued)									
Leaksville, Greene County	23	4:10 PM	1 1/2	50	0	0	4	?	Tornado
<p>A small tornado touched down 8 mi. W of Leaksville destroying one barn and causing extensive damage to the house. The tornado lifted briefly and touched down again near the Alabama state line destroying an old house. Total damage \$15,000.</p>									
Felahatchie, Rankin County	26	3:10 PM			0	0	1	?	Hail
<p>A heavy thunderstorm crossed I-20 moving northeast dropping golf ball size hail on Pelahatchie. No damage reported.</p>									
Eastern Mississippi	26	late aftn			0	0	4	?	Wind
<p>a line of heavy thunderstorms extending SSW-NNE across the state moved to the southeast during the late afternoon and early evening hours causing widespread damage, mainly to eastern sections. Damage was mainly to trees, power lines, and small farm structures, but did include several homes and house trailers. Damage was heaviest in the Baldwin-Bailey area of Lee County, just north of Quitman, Bassfield and Lambertton in Jefferson Davis and Lamar counties, Philadelphia and Macon in Heshob and Neshob counties. All of the damage appeared to be caused by straight line winds. No deaths or injuries. Total property damage \$50,000.</p>									
MISSOURI									
Kirkwood, Missouri St. Louis County	23	0626	2	100	0	0	5	0	Tornado
<p>Shortly before 8:30 a.m., a mini tornado traveled at tree-top level in a SSW to NNE direction through Kirkwood knocking down trees in its path. It briefly touched ground in East Kirkwood damaging numerous houses in the area and causing much damage to several greenhouses on private property nearby. It then returned to tree-top level and continued to knock down trees in its path until it dissipated at the far eastern edge of Kirkwood.</p>									
Most of Missouri except the NW corner	23	0200-0900	?	?	1	4	5	0	Windstorm
<p>An area of strong thunderstorms about 80 miles wide orientated north-south through Missouri moved across the state in the early morning hours on Wednesday the 23rd. These thunderstorms with very strong winds, and at times severe, produced much wind damage over the state. Counties all over Missouri except in the northwest corner reported damage to houses, buildings, mobile homes, trees, and power lines. One woman was killed in the Joplin area when her mobile home was demolished. Four others were injured, one critically, when other mobile homes were damaged.</p>									
Central and Northeast Missouri	26, all day 27 26, a.m. 27		?	?	0	0	?	0	Heavy Snowstorm
<p>A low pressure center moved across central Arkansas and the Missouri Bootheel, producing heavy snow up to five inches in central and northeast Missouri.</p>									
MONTANA									
NONE REPORTED									
NEBRASKA									
NONE REPORTED									
NEVADA									
NONE REPORTED									
NEW HAMPSHIRE									
Statewide	24-25	Daylong			0	0	5	0	Northeast - Rain and Snow
<p>Storm affected the state the 24th and much of the 25th. Heavy rain, glaze, and snow caused widespread flooding of urban areas and homes. Washouts and road and highway damages resulted from street flooding. High winds (+50 mph) resulted in downed power lines and trees. Falling trees and limbs caused some structural damage. Coastal areas experienced moderate beach erosion. Snow, glaze, and flooding resulted in many traffic related accidents with injuries and property damage.</p>									

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NEW JERSEY									
AREA	3-5				0	?	?	?	Rain and Snow
	A winter storm resulted in a variety of weather across the area. Rain developed in the Southern portions on the 3rd and spread throughout the area by late afternoon on the 5th. The rain tapered off but snow developed in the Northern sections of the state by the 4th. 4 to 5 inches fell over the area. Newark Airport reported a total snowfall of 4.4 inches for the three days.								
AREA	20				0	0	?	?	Rain and Snow
	An intensified Winter Storm moved Northeastward along the New Jersey coast bring heavy rains into Southern New Jersey and up to 5 inches of snow in sections of Northern New Jersey. Also, several areas reported Thundershowers.								
	The storm continued moving northeast. In doing so it pulled down cold air from Canada with strong northwesterly winds. This froze the wet snow, slush, and rain, resulting in hazardous driving conditions.								
NORTHERN	24-25				?	?	?	?	Rain and Flood
	More than 2 inches of rain fell over Northern New Jersey in an eight hour period causing at least 3 rivers (the Saddle, Passaic and Millstone) to overflow their banks and bringing other waterways (particularly in the Passaic River Basin) to flood stage.								
	The most serious flooding occurred in the Bergen County Community of Lodi.								
	The flooding caused considerable damage to cars, roads, homes and utilities. There were no available reports on injuries, death or crop damage.								
NEW MEXICO									
Statewide	22	Daytime			5	4	?		Windstorm
	A very deep and intense winter storm moved eastward through the State causing winds in excess of 50 mph Statewide. Greatest damage and strongest winds occurred ahead of the cold front during the daytime hours of the 22nd through the Counties of Luna, Dona Ana, Otero, Chavez, Eddy, Lea, Roosevelt, Curry, and Quay. Gusts reported to 75 mph in Las Cruces, Dona Ana County; 117 mph on the White Sands Missile Range, Otero County; and 72 mph at Carlsbad, Eddy County. Thick blowing dust caused numerous highway accidents, resulting in many secondary injuries and one death. High profile vehicles overturned and blown off roads and some highways closed through much of the day. Extensive structural damage to buildings, utility poles, and a drilling rig. At least one house demolished in Carlsbad, Eddy County. Down power lines caused many fires throughout south part of State. At least 5 injuries by flying debris reported in Las Cruces. Extensive soil erosion. Crop damage figure unknown at this time pending subsequent weather and possible recovery of some crops.								
NEW YORK									
COASTAL									
AREA	3-5				0	?	?	?	Wind, & Snow
	A total snowfall of 4 inches was reported in Central Park, but to the East and North of the city 5 to 6 inches of snow fell. The heavy snowfall coupled with gusty winds and freezing temperatures caused several highway accidents.								
AREA	20				0	?	?	?	Rain and Snow
	A winter storm developed off the Virginia coast, moved up along the Middle Atlantic coast and across the New York City area, dumping from one to five inches of wet snow over the region. The city itself received only 1.2 inches, but areas to the west and north of the city got as much as five inches.								
	Along with the wet snow there were periods of rain, sleet, and even a couple of thundershowers.								
	The storm continued northeast ward and intensified. In doing so it pulled down cold air from Canada with strong northwesterly winds. This froze the wet snow, slush, and rain, resulting in extremely hazardous driving conditions.								
AREA	24-25	2pm - 3am			0	?	?	?	Rain and Flood
	Heavy rainfall accompanied by several thundershowers dropped 2 to 3 inches of rain over the area. 1.75 inches was reported in Central Park. Local highway and basement flooding in several areas was a result of this storm and melting snow (from previous snowfall),								
NEW YORK									
CENTRAL	NO STORM DATA REPORT RECEIVED FOR THIS AREA								
WESTERN	NO STORM DATA REPORT RECEIVED FOR THIS AREA								
NORTH CAROLINA									
Surry County	3	Overnight				1			Freeze
	A woman died from exposure near Ararat.								
Craven County	27th	7:15P	10	15	0	0	4	-	Tornado
	A tornado touched down twice damaging two trailers, some tobacco barns and trees near Jasper.								
Alleghany, Ashe, Avery, Mitchell, Watauga, Wilkes, and Yancey Cnty.							8	6	Freeze & Snow
	February continued very cold and had several snow storms which extended damage over the area. Damage to highways and rural roads estimated \$70,000,000; repairs and replacements of water systems (private and public) \$30,000,000; and damage to buildings, churches, motels and private homes \$20,000,000. Damage to agriculture and horticulture would run into billions.								
Surry County							6		Freeze & Snow
	The severe weather damaged over \$1,000,000 damage to water and heating systems in the county.								
NORTH DAKOTA									
Counties:	23/24								
Walsh, Grand Forks, Nelson, Ramsey, Eddy, Foster, Griggs, Steele, Traill, Stutsman, Barnes, Cass, Logan, Ransom, LaMoure, McIntosh, Dickey, Sargent, Richland									
	Heavy snow fell in amounts ranging upward to 8 inches in the eastern counties. Minor drifting closed some roads. No reported losses of persons, property or crops. (One indirect death occurred in Walsh County when a 54 year old man died after walking two miles from a stalled car. He collapsed in his home).								
OHIO									
	NONE REPORTED								
OKLAHOMA									
Bartlesville, Washington County	22	11:30 p.			0	1	3	0	Wind
	A single engine airplane was taxiing down the runway after landing when a strong gust of wind lifted the plane off the ground causing the propeller to strike the ground and the plane to flip over. The pilot was slightly injured.								
Statewide	22-23	all day			0	0	?	?	Wind
	Wind gusts of 50 knots and greater were common over most of the state in strong straight winds accompanied by dust and blowing dust. Visibilities of 1/2 mile or less were common, especially in the northwestern half of the state. Scattered light damage was reported.								
Ottawa County	23	12:30 a. - 2:00 a.			0	1	5	0	Wind
	Reports of wind damage to signs, power lines, trees and outbuildings were numerous throughout the county. One woman was seriously injured a few miles west of Miami when her mobile home was destroyed. The outbuildings of a farm south of Maricissa were extensively damaged.								
Warner area, Muskogee County	23	12:50 a. - 12:55 a.			0	0	4	0	Wind
	Straight winds estimated at around 70 mph caused damage in the Warner area. Two homes and a barn were damaged. A small nightclub was unroofed. One barn was destroyed. Numerous small outbuildings and trees sustained damage.								

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OKLAHOMA (continued)									
near Idabel, McCurtain County	23	4:20 a.	3	75	0	4	5	0	Tornado
	A tornado touched down at a point about 10 miles east of Idabel near the rural community of Redland. Movement was from the southwest toward the northeast. The most severe damage followed a line beginning at a point near highway 3, southwest of Redland to north of Redland. Two mobile homes were destroyed. All four injuries occurred in the mobile homes. One of the four injured required hospitalization. Five homes received damage ranging from 20 to 50 percent of their value. One barn was destroyed and another damaged. Three cars and one pickup were damaged. Trees 18 to 20 inches in diameter were uprooted.								
Wilburton, Latimer County	26	5:30 a.			0	0	1	0	Hail
	Golf ball size hail was reported.								
OREGON									
	NONE REPORTED								
PACIFIC									
	NONE REPORTED								
PENNSYLVANIA									
EASTERN									
Northern half Eastern Penna.	20	2 AM EST							
	21	3 AM EST			0	0	1	0	Heavy snow
	Snow accumulated 4 to 14 inches with the heaviest amounts over the northeast corner of the state.								
	Hazardous driving conditions resulted in numerous accidents. A woman was killed in a snowmobile accident near Hawley, Wayne County.								
Eastern Penna.	24	1 PM EST			0	0	4	0	Heavy Rain
	Midnight								
	Heavy rains combined with mild temperatures and resulting snow melt caused considerable roadway flooding. There also was considerable flooding of streams, rivers and drainage areas. The flooding was amplified in some areas due to ice jams caused by the breakup of extensive winter ice. Rainfall was over one inch in many areas with Pleasant Mt. in Wayne County receiving 1.69 inches and Allentown, Lehigh County, 1.34 inches. Water running around a house near Lebanon caused a basement wall to collapse. A woman was swept into a storm sewer and drowned in Butztown, Northampton County. Her car was stalled in water up to 3 feet deep on the roadway and she went to a nearby phone to call for assistance. After making the call she was attempting to return to her car when she was swept away. Some wind gusts accompanied the rain and toppled a 57-foot church spire in Quakertown, Bucks County. The spire was already leaning as it had been damaged in high winds several weeks earlier.								
PENNSYLVANIA WESTERN									
	SEE END OF TABLE								
PUERTO RICO									
	NONE REPORTED								
RHODE ISLAND									
Statewide	5	All day			0	0	0	0	Heavy snow
	6 to 10 inches of snow belted the state and still another storm moved up the coast.								
SOUTH CAROLINA									
Central and Eastern	24	6-8 A.M.			0	2	4	2	Wind and Rain
	An area of thunderstorms moved eastward across central South Carolina and eastern South Carolina between 6 and 8:00 A.M., causing localized wind damage in or near Aiken, Lake City, Lancaster, Norwood, Sandy Run, Swaneset, and Charleston. Five mobile homes were damaged or destroyed.								
Rimini (Clarendon County)	24	06:20 A.M.	0.1	60	0	0	4	0	Tornado
	Small tornado destroyed home and damaged several other buildings. Moved from southwest to northeast.								
SOUTH CAROLINA (continued)									
Aiken, (Aiken County)	24	06:00 A.M.	0.1	70	0	0	3	0	Tornado
	Small tornado struck south portion of Aiken causing some damage to trees, utilities, and a mobile home.								
SOUTH DAKOTA									
Eastern	23				0	0	?		Heavy Snow
	24								
	The late February storm produced snow over all of the state. Heavy amounts of more than four inches fell over most of the eastern sections and parts of the central sections. Mellette in the northeast and Wood in the southcentral reported fifteen inches. In many areas, the roads were either snow packed or ice covered causing schools and businesses to close. Many traffic accidents occurred but only one fatality was related to the storm. In several east central counties, the ice accumulation caused many power outages and telephone problems.								
TENNESSEE									
	NONE REPORTED								
TEXAS									
NORTHERN									
North Texas	22	Aftn-Evening			0	0	5	?	High winds
	Strong southerly winds developed in response to a rapidly deepening low pressure system in Kansas. Gusts of 40 to 50 mph were common across North Texas during the afternoon and evening. During the evening, a Pacific front moved east over the area, bringing equally strong west winds accompanied by blowing dust. Wind damage was scattered and mostly minor. Numerous trees were toppled and some roof damage occurred. Boat docks at a marina on Lake Bardwell (Ellis County) were heavily damaged.								
Texarkana, Bowie County	23	5:45 a.m.			0	0	4	0	Windstorm
	A line of thunderstorms developed along the Pacific front in East Texas. Thunderstorm gusts resulted in minor building damage in the stockyards area of Texarkana. More extensive damage occurred on the Arkansas side of Texarkana.								
TEXAS SOUTHERN									
	NONE REPORTED								
TEXAS WESTERN									
All of West Texas	22	Morning and of 22nd			0	24	6	0	Windstorm and Duststorm
	23	To Evening of 23rd							
	On Tuesday and Wednesday strong, gusty winds occurred over much of West Texas. Widespread blowing dust and wind gusts as high as 114 mph were recorded at Guadalupe Pass, although in general peak gusts were between 55 and 70 mph. The high winds were due to a vigorous surface low pressure center that developed in eastern Colorado and western Kansas on the 22nd and then moved slowly northeast to Iowa by late on the 23rd. A strong front from this low moved eastward across much of West Texas during the early nighttime hours of the 22nd. Widespread blowing dust accompanied the high wind - particularly over the panhandle, south plains and portions of the Trans-Pecos area. At times visibility was reduced to one-half mile or less. At the Lubbock Airport, visibility was reduced to 6 miles or less for 34 consecutive hours during the episode.								
	Widespread damage was reported from the high wind on the 22nd with very little damage on the 23rd. Extensive damage to roofs of houses and buildings, trees, signs, billboards, utility and telephone poles, mobile homes and several light airplanes was reported in the El Paso area. There were about 20 injuries and estimated dollar damage to real and personal property was \$655,000. In the Guadalupe Pass area several tractor-trailer trucks were blown off the highway. Guadalupe Pass was closed to traffic on Tuesday afternoon and evening - the 22nd.								
	Minor damage to structures such as light standards, sheds and fences was reported in portions of the Panhandle and South Plains from the high wind. An exception to this would be the eight (8) car pileup near Vega, resulting in three (3) injuries and the five (5) car pileup near Stratford, with one (1) injury. These multi-car accidents resulted from high winds and poor visibilities due to blowing dust. The derailment of six (6) Santa Fe Railway cars near Etter was also attributed to the high winds. In Spearman damage to the Plains Shopping Center was estimated to be between 25 and 35 thousand dollars and the 250-foot transmission tower atop Radio Station KJVS-TV was snapped-in-half.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

FEBRUARY 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
UTAH			NONE REPORTED						
VERMONT	NO STORM DATA REPORT RECEIVED FOR THIS STATE								
VIRGINIA									
Southwestern Plateau and Mountain Region	18				0	0	0	0	Snow
	Snow lasting from morning into mid-afternoon deposited 4 inches over Wise, Dickenson, Wythe, Grayson and Lee Counties; 5 inches over Russell and Scott Counties and around 6 inches in Washington and Smyth Counties.								
Mt. Jackson (near), Shenandoah County	24	9:35 a			0	1	3	0	Wind
	Gust of wind upset house trailer, valued at \$4,200, that was being hauled by tractor-trailer. House trailer was destroyed and tractor rig left road and struck utility pole, slightly injuring the driver.								
VIRGIN ISLANDS			NONE REPORTED						
WASHINGTON			NONE REPORTED						
WEST VIRGINIA									
Welch, McDowell County	16	Early Morning			1	0	0	0	Extreme cold
	A woman in Welch froze to death while sleeping. Home was poorly heated.								
WISCONSIN									
Central and portions of northern Wisconsin	23-24				0	?	5	0	Ice storm
	A winter storm moved into Wisconsin February 23 and continued to plague the state into the 24th. A combination of freezing rain, sleet and snow occurred over northern and central Wisconsin and rain and some thunderstorms prevailed over the southern regions of Badgerland. The highlight of the storm system was an ice storm that struck central and portions of northern Wisconsin. The heaviest ice accumulations seemed to be centered 40 miles north of a line from La Crosse to Green Bay where 1/4 to 3/4 inch ice accumulations prevailed. Most of the icing developed early on the 23rd between midnight and noon. By late on the 23rd temperatures over much of the area were above freezing and melting started to take place. Rain showers continued into the night of the 23rd over the southern two-thirds of Wisconsin while sleet snow and freezing rain prevailed in the extreme northern sections. On the 24th the rain and freezing rain and sleet changed over to light snow over most of the state. Ice storm damage consisted of mainly downed power lines caused by ice laden tree branches snapping and falling on the power lines. More than 11,000 customers were without power during the peak of the storm over central Wisconsin. About 30 utility poles snapped by the weight of the ice in Waushara and Portage counties. The Appleton area experienced one of the worst ice storms in about 20 years. A park ranger said many trees in the Appleton area were heavily damaged especially the birch trees. Half of Wisconsin Rapids and Stevens Point were without power during the peak of the storm. 6,000 customers at Sturgeon Bay were without power at one time. Many homes in the Neenah-Menasha were left without power. The counties hardest hit by the ice storm were: Brown, Door, Marathon, Monroe, Oconto, Outagamie, Portage, Waupaca, Waushara, Wood, and northern Winnebago.								
WYOMING			NONE REPORTED						

PENNSYLVANIA
WESTERN
Chatauga Co. 25 9:15 a.m. 1 0 ? ? Wind

One man killed when struck by the roof of his barn which was blown off.
Other damage through Western Pennsylvania from wind later in the morning included severe damage to a airport and car in Fayette county.

During the first week of the month, numerous reports of roofs collapsing from the weight of accumulated snow were received from all of the western Pennsylvania counties, including a funeral home in Mercer County where the owner was killed by the falling roof.

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

Note: This publication contains our best information on storms but, due to the difficulties inherent in collection of the type of data, it is not all-inclusive. Late Reports and corrections will be carried in the June and December issues of this publication.

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