

JANUARY 1980

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# STORM DATA



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*Daniel B. Mitchell*

DIRECTOR  
NATIONAL CLIMATIC CENTER

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NATIONAL OCEANIC AND  
ATMOSPHERIC ADMINISTRATION

ENVIRONMENTAL DATA AND  
INFORMATION SERVICE

NATIONAL CLIMATIC CENTER  
ASHEVILLE, N.C.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED* DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA	January was a rather wet month with slightly above normal temperatures and no significant storms.								
ALASKA	None reported								
Valdez	9-10				0	0	5	0	High winds
	Strong high pressure entrenched over Interior Alaska and a strengthening low pressure system centered in the eastern Gulf of Alaska caused storm force winds over the Gulf of Alaska Jan. 9-10. Ships in the Gulf reported winds to 90 knots and seas to 30 feet. Strong offshore flow of frigid Arctic air caused severe superstructure icing to vessels off the coast of Southeast Alaska and the North Gulf Coast, where temperatures over coastal waters plunged into the teens. In Valdez, winds strengthened rapidly on the evening of Jan. 9 and blew all day Jan. 10; the wind diminished slightly on Jan. 11. Peak winds on the night of Jan. 9-10 in Valdez were clocked at 94 mph at the city office (the strongest in over 8 years of records) and 120 mph on morn at the airport. 3 houses and 3 aircraft were severely damaged; an airplane hanger was partly blown down, and there was damage to the small boat harbor. There was minor damage elsewhere in the city. All told, damage totalled an estimated \$250,000.								
Alaska Peninsula coastal waters	15				2	1	7	0	High winds, rough seas and freezing spray
	Prolonged northwest winds over the Alaska Peninsula waters increased to gale force on Jan. 11 and continued for the greater part of a week. This windflow pattern brought extremely cold air, with surface air temperatures over water down in the teens and low 20's down over the coastal waters south of the Alaska Peninsula by the 14th. The 110-foot crab fishing boat "Comins" ran into 15 foot seas, gale force northwest winds, and heavy freezing spray on the 14th. The ice accumulation on the ships superstructure caused by the freezing spray was extremely rapid, and around 9AM on the 15th, the ship capsized and was lost. Two of the crew were lost, one suffered severe hypothermia, and two were saved after drifting in a life raft for over 100 hours, from the time the ship sank. The ship went down approximately 150 miles southeast of Cold Bay.								
Southcentral	17-18				0	0	7	?	High wind
	A low pressure center formed rapidly about 150 miles southeast of Cold Bay early on the 17th, strengthened quickly, and moved north through Bristol Bay later on that day. The low weakened rapidly over the southwest Alaska mainland on the 18th. Storm force winds developed over the Kenai Peninsula and the Anchorage area on the night of the 17th and continued all day on the 18th. Peak winds were measured at 100 mph or more in the east part of Anchorage and the foothills of the Chugach Mountains. The powerful winds did considerable damage in Anchorage. Several homes were completely destroyed by the violent force of the gusty winds, and many homes sustained minor damage. Several small aircraft were overturned and sustained major damage. There were numerous power outages and on the 18th, most schools were closed in Anchorage and Palmer. Heavy snow in the mountains east and southeast of Anchorage resulted in several major avalanches which closed the Seward Highway between Anchorage and Portage. Several mobile homes in east Anchorage were flipped and rolled over by the wind, and many homes lost roofs and siding. The Glenn Highway from Anchorage to Palmer was closed on the 18th due to very icy conditions and very strong wind, which blew some cars off the road. This storm exceeded the strength of the southeast windstorm which hit Anchorage on Nov. 15, 1979, and was one of the most devastating in recent memory. Most of the damage from the storm occurred in east Anchorage and the Chugach foothills.								
ARIZONA	None reported								
Phoenix, Scottsdale, Fountain Hills, Maricopa County	18	5:00-6:00 P.			0	2	6	0	Wind, Heavy Rain, Hail, Funnel Clouds
	A very severe thunderstorm with vicious winds, half-inch size hail and heavy rain struck the area. The hardest hit sections were in north Scottsdale and Fountain Hills where 50 residences were damaged. Four were destroyed and 16 severely damaged in northwest Fountain Hills. Total damage was estimated at \$1,000,000. Funnel clouds were reported by the public but not confirmed sighting of a tornado. A study by Weather Service personnel of the debris pattern indicated that it was in a homogeneous direction in each of the affected areas. The damage was, therefore, a result of severe downburst straight line winds probably exceeding 100 m.p.h. Only two persons received minor injuries. Numerous streets were flooded and the Black Canyon Freeway was closed for several hours.								
Central Arizona	28-30				0	0	5	0	Heavy Rain
	Heavy rains of 1 to 3 inches over the Central Basins, Mogollon Rim and White Mountains caused flooding and near flooding of streams with heavy runoff into the reservoirs of the Salt and Verde System, filling them to near capacity. Water had to be released into the normally dry Salt River bed flowing through the Greater Phoenix Area. Several road crossings were flooded and traffic was, therefore, jammed over the remaining crossings.								
ARKANSAS	None reported								
CALIFORNIA	None reported								
NORTHERN & CENTRAL All Counties	9-13	--	--	--	0	0	5	5	High winds/ Heavy rain
	On January 9, a moist westerly flow of air became established across the eastern Pacific beginning a storm ridge which stretched northern and central California. The storm lasted through the 13th. During the event, freezing levels rose in the Sierra Nevada mountains causing streams to rise and accentuated by heavy rains, flood on many areas. Flash Flood Watches and warnings were posted in the eastern foothills of the San Joaquin and Sacramento Valley on the 12th and 13th. Some flooding was observed on Paso Crake in Kern County and on Indian Creek in Plumas County.								
Yolo County	14	1230 PST	?	?	0	0	4	0	Unconfirmed Tornado
	An unconfirmed tornado occurred at Woodland, California. Local window breakage and damaged vehicles were reported.								
Stanislaus & Merced Counties	14	1330 PST	0.3	Narrow	0	1	6	3	Tornado
	A tornado occurred in the northern portion of Merced and extreme southern portion of Stanislaus counties. The storm resulted in damage to several homes and businesses but no fatalities were reported. Damage estimates were in excess of \$500,000.								
CALIFORNIA SOUTHERN	NO REPORT RECEIVED								
COLORADO	None reported								
Front Range and Northeast Foothills	5-6				0	0	4	0	High winds
	Strong winds blew out windows, tore roofs off of buildings, and caused many power outages over a wide area from west of Denver north to the Wyoming border. Much of the damage was in the Boulder area, where winds gusted to at least 82 mph. Interstate 70 was closed on the night of the 5th between Georgetown and Silverthorne, as strong winds were blowing out car windshields. The winds even blew rocks around, knocking out a state trooper's windshield in that manner. Some chimneys were toppled in Georgetown. The strongest gust recorded was 120 mph at Mines Peak, above Berthoud Pass. Gusts of 80 to 100 mph were common in the foothills. Most of the damage came from west winds preceding an Arctic cold front, but strong northerly winds continued with the passage of the front, which dropped temperatures as much as 25 degrees in 5 minutes.								
Northern half of State	10-11				0	0	2	0	high winds, snow
	Strong winds gusting from 60 to 95 mph howled across much of northern Colorado, causing brief power outages and some broken windows as far south as Colorado Springs. Heavy snow fell in the mountains, and the winds created near blizzard conditions that forced the closure of most highways through the Rockies in the evening. Early on the morning of the 11th, a gust of 111 mph was recorded at Wondervu, in the foothills west of Boulder.								
Boulder	12	Aftn, eve			0	0	?	0	high winds
	Strong winds in the Boulder area peaked with a gust of 95 mph at Table Mesa.								
Northeast Colorado	18	Aftn, eve			0	0	0	0	Heavy Snow
	A slow moving storm deposited 4 to 10 inches of snow in most areas of Northeast Colorado. The greatest amounts were along the foothills. Flights were delayed 30 to 40 minutes at Denver's Stapleton Airport at the height of the storm.								
Northeast Colorado	25	Aftn, eve			0	0	4	0	Blizzard
	A blizzard rpared into Northeastern Colorado and struck Denver right at the evening rush hour, causing massive traffic snarls, and forcing the closure of Interstate 25 north from Denver, and Interstate 70 east of the city, as well as many other roads. Hundreds of travelers were stranded, and were housed in various buildings along I-25 from Denver to Fort Collins. Multi-car accidents involving as many as 50 cars were common all along the Front Range. Winds gusted to 50 or 60 mph, with visibility reduced to zero at many spots. Air traffic at Denver's Stapleton Airport came to a virtual stop for three hours. The high winds knocked out power to the city of Broomfield for a while in late afternoon. Initial snowfall from the storm was only 3 to 5 inches, but the snow continued off and on for several days near the Wyoming border; by the 28th it to 2 feet had accumulated in Larimer and Weld counties, with drifts up to 5 feet deep.								

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					KILLED	INJURED	PROPERTY	CROPS	
<b>CONNECTICUT</b> New Britain	11	10PM			0	0	4	0	High wind
	A large porch was lifted by winds gusting to 60 mph and dropped upon the roof of an apartment house causing much damage. Several large trees were blown down onto houses.								
<b>DELAWARE</b> Statewide	4-5				0	0	0	0	Snow
	A low center moved northeastward from the southeastern states and brought heavy snow to much of the mid-Atlantic area. Light snow began over the central and northern portions of Delaware late on the 4th, becoming heavy during the following day before tapering off late on the 5th. In Sussex County, where rain changed to snow early on the 5th, amounts ranged from 2 to 14 inches. Elsewhere, snow depths totaled 4 to 6 inches over New Castle County and from 6 to 8 inches over Kent County.								
<b>FLORIDA</b> GULF COUNTY	23	130 AM CST	0.3	15	0	0	3	0	TORNADO/WATERSPOUT
	A WATERSPOUT MOVED ASHORE IN THE HIGHLAND VIEW AREA OF PORT ST. JOE DAMAGING TWO MOBILE HOMES AND DESTROYING A TOOL SHED WITH POWER LINES AND TREES DOWN IN THE AREA. DAMAGE WAS ESTIMATED LESS THAN \$5000.								
<b>COLUMBIA COUNTY</b>	23	530 AM EST	0.1	10	0	0	4	0	TORNADO
	A SMALL TORNADO DEMOLISHED A MOBILE HOME NEAR COLUMBIA CITY PRODUCING DAMAGE ESTIMATES OF \$12,000.								
<b>GEORGIA</b> Extreme North GA (Rabun, Habersham, Towns, White, and Union Counties hardest hit.)	30-31	Began about 8 AM			0	0	5	?	Ice Storm
	Freezing rain mixed with sleet began in northwest Georgia early on the 30th and spread to the mountains later in the day. Most freezing precipitation was confined to the area north of Rome to Clark's Hill Reservoir line. Temperatures warmed in northwestern counties late on the 30th, but ice continued to accumulate until early the next morning in the colder air over the mountains. Damage was minor being confined mainly to downed power and telephone lines.								
<b>HAWAII</b>	8-11				6	10?	7	7	Winter Storm
	The storm of January 8-11 combined destructive winds, waves and rain which damaged hundreds of homes and scores of boats, toppled thousands of trees, flattened cane fields, knocked out power, washed out roads and bridges, eroded coasts and beaches, closed harbors, disrupted shipping and air travel and ran up the largest storm total in Hawaii's history \$27.5 million. Crop, flower and orchard losses were heavy, there were six lives lost (two in the crash of a light plane) and many injuries, none serious. Terrain effects added to the strength of the wind, which in places gusted to over 70 mph, unroofing homes, demolishing greenhouses, tearing boats from their moorings and blowing out every pane of glass in the Volcano House, a famous Hawaii Island resort. On the morning of the 8th what may have been a small tornado demolished four homes, damaged 40 others and knocked down power lines in Honolulu's Pacific Palisades area. And on all the islands some scattered damage may also have been caused by small tornadoes. Waves up to 20 feet in height pounded the Kona coast of Hawaii Island, entered beachside hotels, demolished 4 homes in the Puako area and damaged others. Rains of up to 2 or 3 inches an hour -- not torrential by Hawaiian standards -- blocked roads, generated landslides and mudslides, and ruined the interiors of homes breached by the wind. Haleakala summit registered a 3-day total of 41 inches. The storm began as a broad cold front embedded within strong southwesterly winds around an intense low centered north and northwest of the State moved slowly eastward through the island chain on the 8th, stalled over Hawaii Island and Maui on the 9th and 10th. Meanwhile, a second sharp cold front reached Kauai on the 10th, bringing in a second burst of high winds and heavy rain and joining with the first front. Approximate damage totals on the major islands were as follows, in \$millions: Kauai, 1.7; Oahu, 6.4; Maui, 9.0; Hawaii, 9.7. Of this, agriculture totalled 10.5; public property, 4.6; and private property, 12.4.								
Molokai	8	7:36 am			0	0	0	0	Waterspout
	Observed by pilot off Laau Point, in southwestern Molokai.								
Oahu	8	8:15 am	1	100	0	1	5	0	Probable Tornado
	Demolished 4 single-family frame homes and damaged 40 others within small area in Honolulu's Pacific Palisades neighborhood. (see storm description above).								
<b>HAWAII (continued)</b>									
Oahu	8	about 5pm			0	0	4	0	Possible Tornado
Kaneohe	Blast of wind accompanied by roaring sound unroofed and otherwise damaged several adjoining homes, one severely, and removed roofing material from Castle High School about one-half mile downwind.								
Kailua	10	11 pm			0	0	3	0	Possible Tornado
	Householder reported roaring noise, "big boom like an explosion", as wind blew away 4-car garage, tore roof loose, splintered bedroom wall, shook house. Immediate neighbors suffered no damage.								
<b>IDAHO</b> Southern Idaho	10	Early Morning			0	0	4	0	Wind, Snow
	A winter storm swept through southern Idaho closing many schools and roads, damaging power lines, and causing numerous traffic accidents. Winds were estimated at 50 to 60 mph. were recorded at Pocatello and 51 m.p.h. at Twin Falls. Damage to power lines extended across the State with tie wire breaks, lines down, and poles broken or on fire. Heavy snow fell in some valley areas, and up to 2 1/2 feet in the mountains.								
Pocatello, Bannock County	12	4:20 p.			0	0	5	0	Wind
	Strong winds during thunderstorms ripped through a shopping center causing a 32-ft. by 50-ft. section of a department store roof to collapse, overturning a mobile home, and causing other miscellaneous damage to roof, windows, and automobiles. (A large tent covering several tennis courts was damaged. The storm was moving from west to east.								
Southeast Idaho	13-14				0	0	6	0	Flooding
	Heavy rains and warm temperatures following a snow storm caused widespread flooding of farmland and easements and damage to several homes and stores. Heaviest damage was to roads and bridges mainly in Franklin and Power Counties. Considerable damage was also reported in Minidoka, Cassia, Oneida, and Bannock Counties. Some schools and roads were closed during the flooding.								
<b>ILLINOIS</b> Northeast and Central areas	10-11	6pm-9am			0	4	4	0	Wind
	Strong gusty winds caused widespread damage to the northeast and central sections of the state. Winds gusting as high as 79 knots blew down power lines which caused power failures to a number of communities. In Willowbrook, Cook County, a 4 x 8 foot sign blew onto the roof of a car. In Chicago, Cook County, 4 persons were injured by flying glass as gusting winds blew windows out of downtown stores. Gusts were reported above 50 knots in Saint Anne, Kaneke County, moving a parked pickup truck about 3 feet, blowing down a sign, and breaking a picture window. A portion of a wooden wall under construction blew down in Menota, LaSalle County. The strong winds lifted a roof off a stockyard in Princeton, DuPage County.								
<b>INDIANA</b> Adams County Decatur	11	345P			0	0	4	0	High wind
	Schwartz Ford had part of their showroom roof blown off. A lot of new cars were damaged by pieces of the tin roof. Damages about \$15,000.								
<b>IOWA</b> Northern and Central Iowa	6	12 Noon - 7 P					4		Winter Storm
	A band of snow, rapidly falling temperatures and strong winds of up to 80 MPH combined to reduce visibility to near zero for nearly two hours. Although only one to three inches of snow fell, the roads turned to ice and the winds literally blew many cars into the ditches. The very bad road conditions caused many accidents and caused cancellation of many activities.								
<b>KANSAS</b>	NONE REPORTED								
<b>KENTUCKY</b>	NONE REPORTED								

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<b>LOUISIANA</b>										
St. Martin Parish	10	Night			0	0	4	0	Thunderstorm	
Thunderstorm winds destroyed a boat shed near Catahoula and also a barn near St. Martinville was destroyed.										
St. Landry Parish	10	Night			0	0	4	0	Thunderstorm	
High winds associated with thunderstorms blew down the walls of shopping center building under construction in Eunice.										
Grant Parish	10	Night			0	0	4	0	Thunderstorm	
Thunderstorm winds destroyed a building under construction and also blew roof off a barn in Simms.										
Calcasieu Parish	10	Night			0	0	4	0	Lightning	
Lightning struck a house in Lake Charles setting fire to it and doing \$5,000 in damage before being extinguished.										
St. John Parish	31	5 AM			0	0	4	0	High winds	
High winds behind a cold front blew a grain elevator on to a nearby ship on the Mississippi River near Reserve.										
Orleans Parish	31	Afternoon			0	2	4	0	High Winds	
Strong winds behind a cold front blew down a portion of a football stadium under construction. Two workmen received minor injuries.										
<b>MAINE</b>										
Statewide	11-12	8 pm to 5 pm			0	0	6	0	Wind	
Strong winds with gusts estimated to 60 mph caused widespread structural and vehicle damage and scattered power outages due to falling trees and limbs. Awnings, signs, television antennas, windows, siding and roofing fell victim to the force of the wind. Along the coast, several motorized boats and sailing vessels were either damaged in water storage by falling trees, or by being torn from their moorings and run aground. Actual peak gusts recorded were 56 mph at Augusta, 55 mph at Portland, and 53 mph at Wiscasset. In Gardiner, a chicken barn blew down, killing 12,000 chickens and, in Pittsfield, a three-story henhouse collapsed killing several thousand laying hens. A 30-foot silo was downed in North Whitefield and a tin roof rolled up like foil on a Main Street store in Farmington.										
<b>MARYLAND &amp; D.C.</b>										
Statewide and District of Columbia	4-5				2	0	0	0	Snow	
Low pressure intensified as it moved northeastward from the south-eastern states bringing 4 to 8 inches of snow to the central portion of the area and through the mid-eastern shore counties. Light snow began the afternoon of the 4th, becoming heavy as the system intensified early on the following day, and tapered off late on the 5th. Greatest snow depth was up to 10 inches in St. Marys County while only 2 to 4 inches fell over the northern and western portions of Maryland. A tragic aspect of the storm occurred in Hancock where a 20-month old child apparently wandered outdoors the night of the 4th to see the snowfall. She succumbed before it was realized she was missing the following morning. In Baltimore a man was also found dead of exposure the morning of the 5th. Traffic accidents during the storm accounted for two other fatalities and several injuries.										
Western	23				0	0	0	0	Snow	
Snow began in the afternoon and tapered off at night. Depths ranged from 4 to 6 inches over Washington and Allegany Counties, with up to 8 inches measured in sections of Garrett County. An inch or less fell over the remaining portion of the state.										
<b>MASSACHUSETTS</b>										
Newburyport Rehoboth	12	early AM			0	0	5	0	High wind	
Strong wind gusts to 60 mph destroyed a cottage on Plum Island. In Rehoboth a farm silo was toppled.										
<b>MICHIGAN</b>										
									SEE END OF TABLE	
<b>MINNESOTA</b>										
Statewide	6-7				0	0	5	0	Blizzard	
The first big storm of the winter developed over the northern Rockies, moved eastward over South Dakota, and into south central Minnesota at noon on Sunday. Because of its trajectory over central Minnesota, the heaviest snowfall was over northern sections of the state, with up to 14 inches of new snow reported in the Duluth area. During the height of the storm, blowing snow and drifting caused by winds near 80 miles per hour forced closing of many roads on Monday the 7th. Many motorists were stranded, and near zero visibility caused minor traffic accidents and left cars in ditches. Representative snowfall amounts included Hibbing with 12 inches, Detroit Lakes, Alexandria, Bemidji and St. Cloud 10 inches, Morris 7 inches, Lone Prairie, Wadena, Stillwater and the Twin Cities area approximately 5 inches. Blizzard warnings had been issued as early as Sunday for the entire state.										
Statewide	11-12				0	0	5	0	Wind storm	
Low pressure, and a strong pressure gradient, resulted in strong winds over much of the state Friday and Saturday. There was little new snow in the storm, but blowing and drifting of snow already on the ground, and extensive blowing dirt were reported in many areas. Many schools were closed and activities cancelled when drifting snow made roads either hazardous or impassable. Wind gusting in excess of 70 miles an hour caused damage to buildings and mobile homes as well. One of the homes, in transit to Moorhead, was flipped on its top at Belgrade in Stearns County. In the same area, a skating rink warming house was blown over, and part of a roof torn off a Belgrade store. The U.S. Soil Conservation Agency indicated severe top soil losses in several western counties.										
<b>MISSISSIPPI</b>										
Copiah and Rankin Counties	11	12:00 - 1:00am			0	0	0	4	0	Thunderstorms, High winds
High winds in thunderstorms demolished a service station, damaged several homes and businesses and knocked down some trees and power poles in Haslehurst in Copiah County. One mobile home was overturned and one barn damaged just south of Florence in southern Rankin County.										
Hinds County	11	1:30 - 2:30am			0	0	0	5	0	Flooding
Heavy rains from around midnight to 2:30am caused widespread street flooding in parts of Jackson. Some water was reported in homes due to poor sewer drainage in the Presidential Hills and Queens sections of Jackson, where 65 people were evacuated from their homes. Rainfall totaled around 4 inches in some sections of west and north Jackson.										
Northern Mississippi	29-31				0	0	0	7	0	Freezing rain
Almost 48 hours of intermittent light snow, sleet and freezing rain occurred over about the northern third of Mississippi. Ice accumulated on roads, bridges, tree limbs, and power lines over much of extreme northern Mississippi.										
<b>MISSOURI</b>										
									NONE REPORTED	
<b>MONTANA</b>										
									NONE REPORTED	
<b>NEBRASKA</b>										
Southwest Nebraska	6	Afternoon			0	0	4	0	High Winds	
Winds 40 to 55 m.p.h. gusting to over 70 m.p.h. in locations downed trees and power lines, broke windows, loosened shingles and caused other structural damage in an area from Scottsbluff east to around Ogallala, Imperial and McCook. The highest gust of 84 m.p.h. was recorded at Lake McConahghy.										
Panhandle and Southwest Nebraska	10	Late Afternoon and Evening			0	0	5	0	High Winds	
Winds 40 to 55 m.p.h. gusting over 70 m.p.h. downed power lines and trees, broke windows, tore off shingles and caused other structural damage in an area from Scottsbluff east to around Ogallala. The winds lowered visibility in blowing dust and damaged some ranch outbuildings and irrigation systems. A semi-trailer was overturned at Chappell. Peak gusts of 75 m.p.h. were recorded at Sidney and 82 m.p.h. at Ogallala.										
Panhandle and Southwest Nebraska	25	Afternoon and Night			0	0	0	0	Heavy Snow	
Heavy snow fell south of a line from Scottsbluff through McCook. Heaviest snowfall was at Kimball with 7 inches, Scottsbluff, Sidney and McCook reported 4 to 5 inches.										

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NEVADA									NO REPORT RECEIVED
NEW HAMPSHIRE Statewide	11-12	8pm to 5 pm			0	0	5	0	Wind
									Strong winds felled trees and limbs causing widespread structural and vehicle damage as well as scattered power outages. About 2600 customers were without power in Cheshire, Hillsborough, and Rockingham Counties. At Jaffrey, wind gusts to 59 mph were recorded at noon on the 12th; at Concord, 50 mph wind gusts were recorded on the morning of the 12th. Awnings, television antennas, windows, siding and roofing, along with a silo in West Moreland and a Drive-In movie screen in Berlin, fell victim to the force of the wind.
NEW JERSEY									NONE REPORTED
NEW MEXICO Southeastern Quarter of New Mexico	22	Midnight to Noon			0	0	4	0	Snow
									Heavy snow through late night and forenoon hours from Alamogordo area east to Texas border and north to Vaughn-Pk. Summer. Six to eight inches snow cover generally and over a foot some mountain sections. Some weight damage to buildings.
East-Central New Mexico Mainly Quay, Curry and Roosevelt Counties	28-29	Continuous			0	0	4	0	Ice
									Continuous freezing drizzle loaded utility lines beyond capacity. Numerous broken lines and poles terminated electrical service over large area.
NEW YORK COASTAL									NONE REPORTED
NEW YORK CENTRAL AREA WIDE	7	4A - 9A			0	0	4	0	WIND
									STRONG WINDS RANGING FROM 35 TO 52 MPH OVER THE AREA CAUSED MANY DOWNED TREES AND POWERLINES. SEVERAL WINDOWS WERE REPORTED BLOWN OUT BY THE WINDS IN THE SYRACUSE AREA AND MANY POWER OUTAGES WERE REPORTED THROUGHOUT THE REGION.
JEFFERSON AND ST. LAWRENCE COUNTIES	11	9A - 5P			0	0	3		WIND
									WINDS GUSTING UP TO 55 MPH CAUSED MANY POWER OUTAGES DUE TO DOWNED TREES AND POWERLINES. SEVERAL REPORTS WERE RECEIVED OF WINDOW AND ROOF DAMAGE FROM THE STRONG WINDS TO BUSINESS STRUCTURES IN THE AREA.
NEW YORK WESTERN Erie, Niagara and Chautauque Counties	1/7	All day			1	0	4	0	Windstorm
									High winds knocked off power lines and rendered many homes without electricity. It produced high water levels and high waves at the eastern end of Lake Erie and flooding along the shoreline. A portion of Route 5 was closed for some time. A man who was repairing his car atop the Skyway Bridge in Buffalo was blown off the bridge to his death 100 feet below.
Erie and Chautauque Counties	1/11	Morning to 1/12 Afternoon			0	0	4	0	Windstorm
									A storm which produced about an inch of rain in the Buffalo area also brought along strong winds. Power lines were blown down, and 7000 residences were without electricity. Again, high waves and high water levels at the eastern shores of Lake Erie caused flooding. Route 5 at Athol Springs was again closed.
NORTH CAROLINA									NONE REPORTED
NORTH DAKOTA Entire State	5-6	Night All Day			0	0	5	0	Blizzard
									A fierce blizzard began in western North Dakota the evening of the 5th, and moved across the state on the 6th. The blizzard dumped up to 11 inches of wind whipped snow making highway travel virtually impossible because of drift clogged roads; downed power lines; forced the cancellation of plane flights, bus departures, church services, some school classes and social events; delayed trains; and stranded motorists.
									During the blizzard winds were gusting over 50 mph and wind chill temperatures ranged from 40 to 80 below. Several stranded motorists had to be rescued, including two who were stranded near Hastings (Barnes County) for 18 hours; a bus load of 48 people stuck near Gardenet (Cass County) for 14 hours; and three who were stranded near Fargo (Cass County) for about 15 hours. Several accidents occurred during the blizzard because of poor visibility. One man died of a heart attack in Mandan (Morton County) while operating a snowblower.
Entire State	10-11	Night All Day			0	0	0	0	Winter Storm
									A fierce winter storm dumped 1 to 4 inches of snow, caused wind chills of 40 to 80 below, and winds over 50 mph. The storm forced school closures, caused plane and bus cancellations, blocked roads, stranded motorists (including three people who were stranded overnight near Buchanan (in Sutsman County), forced closure of government offices in Devils Lake, and disrupted rural mail service. In addition, poor visibilities caused by blowing snow were partially responsible for several car accidents.
OHIO Northern Half	11	5 am-10pm			0	0	5	0	High Winds
									Strong gusty winds were along and ahead of a fast moving cold front. Winds of 35 to 55 mph lasted all day and downed trees and utility lines. The winds also blew off some roofs and damaged some small buildings.
Perrysburg, Wood County	11	11:45 pm	1/4	40	0	0	5	0	Tornado
									A cold air funnel formed along a rapidly advancing cold front. Eyewitnesses saw the funnel drop briefly to the ground ripping the roof and some wall from the northwest corner of the Ace Hardware Distribution center. The funnel also overturned two tractor trailers next to the building.
OKLAHOMA									NONE REPORTED
OREGON Columbia Gorge *	8-12				1	UNK	6	UNK	Record snow closed I-80 4-6' in 5 day period.
Hermiston	9-10				1	UNK	5	UNK	Snow - 1' in 40 hrs.
Portland** Multnomah County	8-11 8-11				4	UNK	7 5	UNK UNK	Snow/ice Ice
N. Oregon Coast Douglas County	14 14						4 4		Wind/rain Rain/floods
Multnomah County	30-31						5	UNK	Ice storm
									* 1.9 million Coho fish killed at Cascade Fish Hatchery
									** 150,000 homes lost electricity 27,000 lost telephone service 110 sunken pleasure boats 10,000 ornamental trees damaged

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1980

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>PENNSYLVANIA</b>									
<b>EASTERN</b>									
Southeast Pennsylvania	4	3 PM to 5			0	0	2	0	Heavy Snow
Some light snow fell over all but the northeast part of Eastern Pennsylvania. The accumulations were mostly a light dusting to 1 or 2 inches, but the southeast corner had amounts up to 5 inches. The snowfall caused hazardous driving conditions and numerous automobile accidents.									
Lower Susquehanna, East central and Southeast	11	5 AM to 11			0	0	2	0	Glaze
Light rain or drizzle began to fall with temperatures still at or below freezing in some sections. A glaze resulted which caused numerous automobile accidents. Many minor injuries resulted and a few more serious ones. Several persons were also injured in falls while walking on the ice covered surfaces.									
Lower Susquehanna, East central and Southeast	14	4 AM to 9 AM EST			0	0	2	0	Glaze
Light rain beginning in the early morning with below freezing temperatures in many sections caused a glaze on roadways. Many traffic accidents resulted with one involving a tractor-trailer loaded with a highly flammable liquid.									
<b>PENNSYLVANIA WESTERN</b>									
NONE REPORTED									
<b>PUERTO RICO</b>									
Vieques Passage	17	5:45 p.			0	0	0	0	Waterspout
Vieques Passage	20	6:43 p.			0	0	0	0	Waterspout
Vieques Passage	31	8:15 a.			0	0	0	0	Waterspout
<b>RHODE ISLAND</b>									
NONE REPORTED									
<b>SOUTH CAROLINA</b>									
Northwestern South Carolina	4	All Day					3	3	Snowstorm
A low pressure system moved across Alabama into eastern Tennessee after an influx of cold air had moved into the northwestern portion of the state. The system produced around 5 inches of snow in the mountains and 2 to 4 inches in the hills and Piedmont. Numerous traffic mishaps occurred; however, none were serious. Utility damage was slight.									
Northern half of State	30-31	Mid After-noon Next Morning					4	4	Freezing rain
A low pressure system just off the South Carolina coast produced freezing rain north of a line from near Myrtle Beach to Columbia to Greenwood. Accumulations were less than 1 inch. Utilities reported only minor damage. Numerous auto accidents were reported but none were serious. There were 22 accidents in a 2 hour period in the city of Greenville.									
<b>SOUTH DAKOTA</b>									
NONE REPORTED									
<b>TENNESSEE</b>									
Shelbyville, Bedford County	11	4:15 p.					5		High winds
A thunderstorm ahead of a cold front produced winds in excess of 50 miles an hour as it moved across Bedford County. Wind damage was generally minor with the exception of two schools affected. The Shelbyville Central High School gymnasium sustained excessive roof damage while the roof of the Liberty School gym received only limited damage.									
Tullahoma, Coffee County	11	Late aftn					4		Funnel Cloud, high winds
Strong winds rolled across the southwestern part of Coffee County with a thunderstorm late Friday afternoon. The winds downed a few limbs except at the Tullahoma Airport where a concrete block building was demolished. A witness reported seeing a funnel cloud associated with the high winds. The winds also broke an airplane free from its moorings rolling it into another building.									
Entire state	30-31						7		Heavy snow, ice
A winter storm produced a variety of wintery weather across the state during this two-day period. Dry conditions prevailed across West Tennessee and along the southern boundary of the state while snow was heavy (as much as 10 inches) in the northeast section. The wintery weather disrupted travel, caused power outages, and forced closings of many businesses and schools.									
<b>TEXAS</b>									
<b>NORTHERN</b>									
Longview, Gregg County	20	Morning			0	0	3	0	Lightning
Lightning struck a house in Longview, causing extensive damage in the attic and a utility closet.									
3N Cross Plains, Callahan County	20	Evening			0	0	4	0	Lightning
Lightning struck a row of oil storage tanks 3 miles north of Cross Plains, resulting in heavy damage to the tanks and some burned oil.									
Keene, Johnson County	22	Morning			0	0	4	0	Lightning
The Keene water tower was struck and damaged by lightning shortly before dawn. Three water well pumps and radios received extensive damage, which amounted to about \$5,000.									
North Texas	28-29	Morning-Morning			0	?	4	0	Ice Storm
A combination of freezing drizzle and light freezing rain coated those portions of North Texas from the Dallas/Fort Worth metroplex to the north and west. Ice accumulations were light and resulting damage to trees and power lines was minimal. However, a large number of automobile accidents resulted in 5 fatalities and heavy damage. An undetermined number of people were injured when falling on icy sidewalks.									
<b>TEXAS SOUTHERN</b>									
SEE END OF TABLE									
<b>TEXAS WESTERN</b>									
NONE REPORTED									
<b>UTAH</b>									
Cache and Box Elder Counties	13-17						6	4	Widespread flooding
Widespread flooding of an unusual nature occurred in Cache and Box Elder Counties of northern Utah. A warm and very moist westerly flow developed over Utah with rain in most valley locations. One of the main problems with this most unusual type of flooding was the precursor conditions. The rainfall, commencing on the 8th, was steady but only briefly heavy. The ground was frozen, to a depth of 12-17 inches in most areas due to the lack of winter snowfall. The rainfall had no place to go and eventually created its own drainage. Extensive flooding in lower valley areas was experienced. Basement flooding occurred in over 200 homes and extensive flooding occurred along the canal system. Damage estimates were 2 1/2 million dollars in Cache County and 1 1/2 million dollars in Box Elder County.									
Cache Weber, Davis and Salt Lake Counties	18-19	1500 MST-2200 MST					6		Canyon winds, (high winds)
Strong easterly canyon winds blew along much of the Wasatch Front as well as parts of the Cache Valley. The period of strongest winds was late Friday night (18th) through midday Saturday (19th). The hardest hit areas were Davis and Weber Counties, the east bench area of Salt Lake from about Millcreek Canyon north to the University of Utah area, and the Cache Valley near the mouths of Logan and Blacksmith Fork Canyons. Peak gusts of 92 mph and 140 mph respectively were observed on the high east bench of Bountiful from two separate anemometers and the Utah Highway Patrol estimated 90 to 100 mph gusts along I-15 in the Farmington area. Gusts to 60 mph were reported at Hill Field and 62 mph at the University of Utah. I-15 between Salt Lake and Ogden was closed most of Friday night and Saturday morning to high profile vehicles unless they were loaded. Damage was widespread throughout the areas of strong winds, but most of it was minor and consisted of many blown down trees, signs, torn off shingles, broken windows, etc. Several condominiums in the Maple Hills area of Bountiful were unroofed with the walls of one collapsing. Some houses under construction received heavy structural damage. Damage estimates were slightly over 1/2 million dollars.									
<b>VERMONT</b>									
NONE REPORTED									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>VIRGINIA</b> Statewide	4-5				0	0	4	0	Snow
	A low pressure center moved northeastward along the mid-Atlantic coast bringing widespread heavy snow to the state. Snow began falling early on the 4th over the far southwest portion, and during the afternoon over the eastern sections, with duration averaging 15 to 20 hours. Snowfall was heaviest during the latter part of the storm as the low intensified. Amounts ranged from 4 to 8 inches in the northern and western counties... up to a foot through the Blue Ridge Mountains... and over one foot in the southeastern piedmont. Richmond with nearly 14 inches had its heaviest snowfall since the 15-inch fall in January 1966. Norfolk reported 9 inches, while a record 18 inches was measured in the Williamsburg area. Tree damage due to weight of snow caused up to 40 hours of power outage in the Richmond-Petersburg section. Snow also collapsed a large barn in Rockville, Hanover County, resulting in two cows having to be destroyed. Numerous injuries due to traffic accidents were also reported.								
West Central	13-14				0	0	0	0	Freezing Rain
	Freezing rain began during the afternoon of the 13th and continued into early morning of the 14th. Slick roads were responsible for several, mostly minor accidents over Montgomery County and in the Roanoke area.								
Statewide	30-31				0	0	0	0	Snow
	A low pressure disturbance moved eastward through the southeastern states and off the Carolina coastal region. Snow began in the western portion of the state during the morning of the 30th, reaching the eastern sections late in the day, ending some 8 to 12 hours later. Heaviest snowfall reported in the Blue Ridge Mountains where depths reached one foot. Elsewhere amounts ranged from 4 to 8 inches over the west and southwestern counties and 2 to 4 inches in the north and over counties east of the mountains. Highway accidents accounted for two fatalities... one a pedestrian... and several injuries.								
<b>VIRGIN ISLANDS</b> Off St. Thomas	17	12:00 p.			0	0	0	0	Waterspout
<b>WASHINGTON</b> CLARK, SKAMANIA, Klickitat Counties	8-12				1	0	6		HEAVY SNOW
	Up to 8 feet of snow fell in the three county area from Jan 8-12. The heavy snow collapsed many roofs of buildings including a marina in Camas in which about 105 boats were damaged or sunk. In Stevenson, the town's plywood mill roof fell. Many school buildings suffered damage including the Washougal bus barn and the Stevenson High School swimming pool. One person was found buried in the snow near their home in Woodland. The snow also forced the closure of the Washington Columbia River Highway, and White, Cayuse and Satus Mountain Passes.								
<b>WEST VIRGINIA</b>	NONE REPORTED								
<b>WISCONSIN</b> State	1/6 Thru 1/7						7	7	High Wind Blizzard
	The season's first major winter storm struck Wisconsin on Sunday, January 6 and continued into early Monday, January 7. The snow first began to fall in extreme western Wisconsin early Sunday morning. Heavy snow fell across northern and central Wisconsin during the day on Sunday and into the night with up to 14 inch accumulations common in the extreme north. Blizzard conditions developed Sunday night with wind gusts to 50 mph or more, reducing visibilities to zero in the northern and central portion of the state. Southern Wisconsin was blasted by the very strong winds, but only 1 to 2 inches of snow fell across the south. No deaths were reported as a direct result of the storm; however, hazardous road conditions did result in a few traffic fatalities.								
State	1/11						7	7	High Wind
	On Thursday afternoon, January 10, an intensive low pressure system, located over west-central South Dakota, moved rapidly northeastward and into western Lake Superior by Friday morning. This low pressure system caused very strong winds to develop across Wisconsin Friday morning. Forty to 50 mph winds were reported across the state with a few gusts above 60 mph in some areas. The winds generally subsided during the afternoon.								
	Brief blizzard conditions developed, especially in the west central part of the state early Friday morning, as a band of snow swept across the state. However, due to the short duration of the snow, only 1 to 2 inches of snow fell in the north and trace amounts in the south.								
<b>WYOMING</b> Teton County	6-15	Continuous			0	0	?		Snow, high wind
	Snow began on the 6th and ended on the 15th. Four feet of snow closed all roads into Jackson Hole for one day. Winds in excess of 100 mph were clocked by the U. S. Forest Service at the top of Rendezvous Mountain while residents at Moose reported gusts to 76 mph. Major avalanches closed Teton Pass indefinitely and slides in the Snake River Canyon closed that route.								
State wide	10	All day			0	0	?		Snow
	Much of the state was paralyzed. Freak thunderstorms occurred in Casper, Riverton, and Lander areas. Roads were closed and some motorists stranded. Interstate 25 from Laramie to the Utah state line was closed by winds approaching 80 mph in south-central Wyoming. An estimated 60 vehicles were in the ditch along I-80 west of Rawlins. Reported 90 mph winds in Medicine Bow blew out car and truck windows and a large window in a cafe. Many schools were closed.								
Southern half of state	18	All day			0	4	?		Snow, high wind
	A jack-knifed tractor trailer in blinding snow caused a massive (about 40 vehicles) auto pile-up on Interstate 80 five miles east of Point of Rocks. Four persons were hospitalized in stable condition.								
Laramie and Albany Counties	24	All day			0	0	?		High winds
	Westbound lane of Interstate 80 was closed for three hours due to high winds and blowing snow. Winds were reported to be 40 mph, gusting to 55 mph. Numerous accidents occurred but no serious injuries were reported.								
State wide	25-27	Continuous			4	?	?		Heavy snow, bitter cold
	Snow and blowing snow from the morning of the 25th to the evening of the 27th swept across Wyoming dumping a record 11 inches of snow on Cheyenne in a 12-hour period. Heavy snow and slick road surfaces due to bitter cold temperatures closed many highways and interstates, including I-80 from the Nebraska state line to Rock Springs. Near Bitter Creek Hill, 38 miles east of Rock Springs, 21 cars and trucks were involved in a pile-up of the afternoon of the 25th. Two men were killed at 7 p.m. on the 26th, 9 miles east of Powell when the driver lost control, ejecting both men. One fatality occurred on the 27th at 11:30 a.m. on I-80 near Rock Springs when a car slipped down because of poor visibility and slick roads and the truck driver, trailing the vehicle, failed to slow down in time and crushed the back end of the car in which the victim was riding. A man died about 12:45 p.m. on the 27th when the flatbed truck he was driving 95 miles south of Gillette jack-knifed on a left-hand curve and rolled on its top. Schools in Cheyenne were closed at noon on Friday and did not reopen until Wednesday. Most churches in Cheyenne remained closed on Sunday. Casper thermometers dipped to record lows of -27° on Saturday, -28° Sunday night, and -32° Monday morning. Cheyenne reported temperatures at or below zero for a period of 79 hours. Weather-related problems may have caused the derailment of 12 empty freight cars at Point of Rocks at 6:45 a.m. on the 25th.								
<b>MICHIGAN</b> Monroe County	7 AM				0	0	3	0	Wind and Ice Storm
	Winds peaking at 45 miles an hour between 2AM and 3AM were recorded by wind gauges at the Michigan Gas Utilities Company. Airport community schools were forced to close when wind-blown tree limbs downed wires in the Romine Road Area in Ash Township. High wind also cut power to a High School and Junior High where at least two furnace motors were burned out during the outage at the Junior High of Grafton Road and at Sterling Elementary off Pessner Road.								
Ludington, Mason county	7 AM				0	0	4	0	Wind Storm
	Wind gusts to over 50 knots occurred during the night resulting in the destruction of a nylon-reinforced plastic cover of an experimental solar greenhouse at the Coast Guard Station in Ludington. The aluminum framework was also damaged and in danger of collapsing.								
Battle Creek Township, Calhoun county.	8 AM				0	0	3	0	Wind Storm
	A total of 1993 Consumers Power Company customers from 20th to 34th streets south of Upton Avenue were without power from 3:30AM to 5:09AM after strong winds broke a wooden pin in a crossarm that caused electrical lines to come together and burn.								
Sault Ste. Marie, Chippewa county.	8 10:30AM to 2:30PM				0	0	0	0	Wind Storm
	Wind gusts to 61 mph were recorded at approximately 1 PM by the National Weather Service at Sault Ste. Marie and wind gusts to 60 mph by Mackinac Bridge officials between 10:00AM and 2:30PM while the Soo Locks reported gusts reaching 56 mph. Little or no damage was reported.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1980

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>MICHIGAN (continued)</b>									
Upper and Lower Michigan.	11	AM & PM			0	0	0	0	Wind Storm
	Strong winds accompanied a fast moving Arctic front that moved across the state caused widespread damage to buildings, power lines, and trees. Winds at Battle Creek Airport were clocked at 80 miles an hour at 3:30PM. The St. Joseph Coast Guard station reported 10 to 15 foot waves caused by steady winds at 46 miles an hour with gusts to 60 miles per hour. Wind gusts greater than 70 miles an hour were recorded by Flight Service Station at Houghton County Airport. The National Weather Service Office at Flint recorded maximum winds of 61 mph about 1:30PM when a cold front moved through the area. Wind gusts of 65 mph shortly after 1 PM were also recorded by Flight Service Station at the Emmet County Airport in Pellston.								
17 W. Point Betsie	23	10:10AM			0	0	0	0	Waterspout
	Light Station Point Betsie reported a waterspout 17 miles offshore moving in a northerly direction. No damage reported.								
<b>TEXAS SOUTHERN</b>									
Nueces Bay, Nueces Co.	16	3:00 pm							Funnel Cloud
	A thunderstorm generated a funnel cloud over the western end of Nueces Bay. It moved eastward without touching the surface.								
Medina Co.	17	10:00 am	30	*1/2	0	0	4	5	Hail
Medina Co.	17	10:15 am							Funnel Cloud
	A large area of thunderstorms produced a single severe cell in Medina County. Hail stones up to 1-3/4 inches diameter began over the town of D'Hanis completely covering the ground and causing damage to automobiles and buildings. The hail swath extended eastward over farm areas and ended between Lacoste and Natalia. Crop damage occurred to cabbage and other winter vegetables. Isolated areas of mostly small hail also fell over portions parts of Bandera and Kendall counties. A funnel cloud formed between D'Hanis and Yancey on the southwest side of the hailstorm. It also moved eastward and dissipated near Lytle, apparently never touching ground.								
Hays Co.	17	10:10 am	10	*1/2	0	0	?	?	Hail
Travis Co.	17	10:25 am			0	0	?	?	Hail
	A severe thunderstorm formed near Wimberley and moved east-northeastward. Hail stones up to golfball size fell from Wimberley to Buda and into adjacent portions of extreme southern Travis County. Extent of damage was not known.								
Brazoria Co.	17	2:50 pm			0	0	5	0	Wind
Brazoria Co.	17	2:50 pm			0	0	?	0	Hail
	A severe thunderstorm, part of a line of thunderstorms along a cold front, produced wind gusts estimated at 60 to 80 mph as it intensified near West Columbia and moved northeastward over Angleton. Most damage in the county occurred at Angleton where one downtown building was deroofed, many small buildings were destroyed, and at least one mobile home was toppled. Much water damage occurred as 2.5 inches of rain fell in less than an hour, pouring through wind damaged roofs. Automobiles were damaged by toppled trees. Small hail and a few large stones piled up deeply on the ground but probably caused little damage.								
<b>TEXAS (continued)</b>									
<b>SOUTHERN</b>									
Live Oak Co.	20	6:40 pm			0	0	4	0	Wind
Live Oak Co.	20	10:00 pm			0	0	?	?	Heavy Rain
	A line of thunderstorms along a cold front became quasi-stationary over the county producing prolonged heavy rains and several periods of high wind gusts. Damages occurred as trees were pushed over onto buildings and cars, while winds directly damaged many small buildings and fences from Three Rivers to George West. In George West 7-1/4 inches of rain fell causing local flash flooding, damage to streets, and reportedly some water damage to local businesses. Elsewhere in the county rainfall measured 2 to 5 inches.								
Wharton Co.	21	2:00 am			0	0	5	0	Heavy Rain
	Rains beginning on the 20th had started causing small creeks to overflow and some roads to become blocked by early morning of the 21st as some 5 to 6 inches of rain were measured. Widespread flooding of low areas due to ponding water also set in later on the 21st. US Highway 59 one mile north of Pierce was flooded while rural highways were closed including Farm-to-Market Roads 960, 961, 2546, and 1160 and 1300 at Gobbler Creek. Several homes in Hecce and in western parts of the county were flooded as well as the El Campo Country Club area. Overall flooding lasted through the 22nd due to repeated rains which eventually totaled 6 to 9.5 inches over the county.								
Brazoria Co.	22	9:45 am			0	0	6	0	Heavy Rain
Fort Bend Co.	22	10:30 am			0	0	4	0	Heavy Rain
Harris Co.	22	10:45 am			1	0	5	0	Heavy Rain
	Rains on the 20th and 21st caused some minor flooding, saturated the ground, and put bayous and drainage ditches at bankfull levels. Sudden downpours swept over the area during the morning of the 22nd causing quick runoff and rapid rises in water levels in flood-prone areas. Extreme eastern Ft. Bend Co., northern Brazoria Co., and southern Harris Co. experienced the most significant flooding. Rainfall totals included 6 inches in Brazoria Co., 7 inches at LaPorte, and an unofficial 8.9 inches at Nassau Bay. In Pearland numerous apartment units and some businesses flooded along Mary's Creek at Farm Road 118. Four injuries indirectly related to the flooding occurred at Alvin when two separate rear end collisions resulted as leading cars were forced to stop suddenly at a flooded underpass. In southern Harris Co. Simms Bayou, Hunting Bayou, and Clear Creek overflowed causing some damage to adjacent buildings. Low residential areas were briefly flooded in Arcola-Fresho areas. Localized flooding of some residential areas was reported in the Seahook-Kemal and El Lago areas. On the 23rd, a full day after the flooding, a 41-year old woman drowned when she attempted to drive her car through the Addicks Reservoir flood control area. Her car stalled on Jattersda Drive in the impounded high water near Bear Bayou bridge and she apparently fell into the waters while trying to walk out of the flooded area.								
Hardin Co.	22	10:30 am			0	0	5	0	Heavy Rain
	Heavy rains on the 20th and 21st sent streams on a slow rise to over bankfull. On the morning of the 22nd intense rains put already swollen streams on a further quick rise and also flooded low lying areas due to ponding. Rural roads and bridges along Pine Island Bayou washed out while rises caused some flood damage along Boggy and Village Creeks. Pinewood area experienced some flooding of structures while Highway 326 between Kountze and Silsbee and Farm Road 770 west of Saratoga were blocked by high waters for a short while.								



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>THE FOLLOWING ARE LATE REPORTS, CORRECTIONS, AND DELETIONS:</b>									
<b>LATE REPORTS MINNESOTA</b>					<b>LATE REPORTS PENNSYLVANIA</b>				
JUNE 1979					DECEMBER 1979				
Carlton, MN (4 S) Carlton County	19	7:45 PM	N/A	N/A	0	2	0	0	Lightning
<p>Adult male resident of Chub Lake Road and his 3-year old son were injured by lightning strike while viewing storm from window. The force lifted the 225 pound man and his son, throwing both across the room. They were temporarily paralyzed, although the burning sensation gradually left. The two were hospitalized briefly but were able to walk after a couple of hours and were released shortly thereafter. There was no damage to the house.</p>					<p>A squall line ahead of a cold front moved across Eastern Pennsylvania Christmas morning. Gusty winds associated with the squall line caused damage in a few locations. Just west of Gettysburg in Adams County a cinder block hangar was blown down damaging the plane inside along with two trucks, a tractor, a nearby barn and house. Some trees were also blown down. Near Ephrata in Lancaster a concrete block chicken house was nearly destroyed and a garage damaged. Near Berwick in Columbia County, a small storage shed was destroyed, a fence blown apart and ten trees in a row were uprooted.</p>				
<b>NORTH CAROLINA</b>					<b>SOUTH DAKOTA</b>				
DECEMBER 1979					NONE REPORTED				
Pender County Burgaw NC	24th	2250L	Gusts estimated to 45 mph.		0	0	?		Wind
Onslow County Catherine Lake NC	24th	2258L	Observed gust to 73mph at the Albert Ellis Airport.		0	0	?		Wind
Jacksonville NC New River MCAS	24th	2311L	Observed gusts to 47 mph at the Marine Corps base weather facility.		0	0	?		Wind
(Reports received from Onslow County Sheriff Department several trees down in the county but no other reports of any damage).									
New Hanover County Kure Beach NC	24th	Late Eve	Railing torn off from the Kure Beach Fishing Pier.		0	0	2		Wind
Brunswick County Long Beach NC	24th	Late Eve	100 feet of NC Highway 133 eroded by overflow of high waves on the west end of Long Beach.		0	0	3		Flash Flooding/ Wind
Henderson County Hendersonville NC	24th	Eve	Wind gusts to 59 mph. Glass windows blown out in downtown Hendersonville.		0	0	?		Wind
Buncombe County Asheville NC	25th	0045L	Wind gusts to 51 mph. Asheville airport power out to 800 customers - City of Asheville.		0	0	?		Wind

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

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

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