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Asheville, N.C.

1971

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1971

| 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 Conecuh County | 1 | 4:00 p.m. | -- | -- | 0 | 0 | 4 | 0 | Wind Wind demolished large chicken house, damaged several other buildings and uprooted trees in Brownsville Community. Minor damage also occurred in West Evergreen and the Flatrock Communities. |
| Dothan, Houston County | 1 | 4:15 - 5:00 p.m. | 30 | narrow | 0 | 0 | 5 | 0 | Tornado Tornado touched down on north side of Dothan near Highway 231 then skipped northeast about 1 mile across shopping center on Highway 431 and damaged a furniture store and nearby buildings and overturned 2 automobiles. Tornado then lifted and funnel was observed by State troopers until it moved across Chattahoochee River into Georgia. |
| Pike and Barbour Counties | 2 | 10:00 - 11:00 a.m. | 36 | 50 | 0 | 0 | 5 | 0 | Tornado Tornado struck in Pike County west of Spring Hill Community uprooting a house and barn, moved east northeast about 40 mph into Spring Hill area with minor damage, then across North Brundidge where 3 houses were destroyed, a country club and warehouse was damaged. Tornado continued across rural area then destroying several farm buildings and damaging several houses south of Louisville. |
| Barbour County | 2 | 11:00 a.m. | | | | | | | Funnel Pilot reported several funnel clouds aloft between 2000 ft and 500 ft. |
| Thomasville, Clarke County | 2 | 9:00 p.m. | 5 | 100 | 0 | 0 | 5 | 0 | Tornado Path began about 5 miles west of Thomasville near Tallahatta Springs and moved east northeast across Thomasville before lifting. A school gym was damaged severely, a portion of the school uprooted, a service station near school destroyed, 2 houses severely damaged and minor damage occurred to houses and other buildings. |
| Brundidge, Pike County | 3 | 4:00 a.m. | 2 | narrow | 0 | 0 | 4 | 0 | Tornado Tornado skipped across northern section of Brundidge demolished 2 houses, overturned 3 trucks and a mobile home, damaged a food plant, moved a frame church off foundation, damaged several houses and uprooted many trees. |
| Lawrence, Lincolnton and Morgan Counties | 6 | 2:30 - 3:30 pm | | | 0 | 0 | 5 | 3 | Wind High winds with severe thunderstorms damaged a house and store in White Springs Community and 5 houses in Courtland in Lawrence County. Several farm buildings and a house damaged at Replay in Lincolnton County. Scattered damage in other areas. |
| Glynn, Jefferson County | 6 | 4:30 pm | 4 | 300 | 0 | 2 | 4 | 0 | Tornado Tornado hit about 1 mile south of Glynn damaged one house and injured 2 occupants, damaged 2 houses then moved northeast across fields and cut a wide path through trees on Goodbar Mountain 3 miles northeast. |
| Bessemer, Jefferson County | 6 | 4:30 pm | | | 0 | 0 | 4 | 0 | Wind Fruits of 3 stores damaged, roofs to several houses damaged, and signs and trees blown down. |
| Talladega, Talladega County | 6 | 6:40 pm | | | | | | | Funnel Funnel cloud observed by police on south side of Talladega. Did not touch ground. |
| Selma, Dallas County | 13 | 8:00 am | | | 0 | 0 | 3 | 2 | Hail Hail up to 3/4" in diameter fell in northwest Selma. |
| Central and South Alabama | 22 | 2:30 pm - 8:00 pm | | | 0 | 0 | 5 | 4 | Hail, wind Hail, 3/4" to 1" in diameter, fell in many localities from Bessemer as far south as Evergreen. In Shalby County hail was 1/2" to 1" in diameter. In Selma drifts were as high as 18" deep and other spots had ground covered. High winds demolished a trailer north of Selma, trees uprooted and roofs to houses and small buildings damaged in scattered localities. All crop damage due to hail. 50% of property damage due to wind and 50% to hail. |
| Linden, Marengo County | 25 | 2:30 pm | | | 0 | 1 | 4 | 0 | Wind High winds overturned mobile home injuring occupant. Several buildings and 1 house uprooted. |
| Bessemer, Jefferson County | 25 | 4:30 pm | | | 0 | 0 | 4 | 2 | Hail, wind Hail the size of large marbles fell in Bessemer. Minor damage from winds. All crop damage due to hail. 50% of property damage due to hail and 50% to wind. |
| Alaska Summit | 6 | | | | 0 | 0 | 4 | 0 | Heavy Snow & Wind Combination of high winds and heavy snowfall created drifts of such a nature that the Alaska Railroad's efforts to buck their way through caused several cars and engines to become derailed. No serious damage resulted but two full days at considerable cost were involved in placing the cars back on the track. |
| Arizona | | | | | | | | | None Reported |
| Arkansas Ogden - Little River County | 12 | 7:45 p. | ? | ? | | | 3 | | Tornado Brief tornado touchdown just south of Ogden. Several cars blown |
| Arkansas (continued) | | | | | | | | | |
| Ashdown - Little River County | 12 | 7:45 p. | | | | | | 3 | Funnel aloft, wind and hail off U. S. Highway 71. This was an extension of the turbulent cloud-mass that produced the tornadoes in Bowie County, Texas earlier. Utility poles down resulting in interrupted electrical service. Also golfball size hail reported. |
| Texarkana - Miller County | 12 | 7:55 p. | | | | | | 3 | Funnel aloft/wind Tree limbs down, store windows out in downtown stores. Also, funnel cloud sighted by radar 10 to almost 20 miles east of Texarkana during the following hour. |
| Stamps - Lafayette County | 12 | 9:40 p. | | | | | | 3 | Wind Power lines down in wind and some small hail. |
| California | | | | | | | | | None Reported |
| Colorado Statewide | 17 | All Day | | | | | | 4 | Wind The most general and severe of several periods of high winds during the month caused widely scattered mostly light damage, blowing dust at lower elevations and blowing snow in some mountain areas. Severe gusts blew the roof from a dormitory at the Junior College in Rangely, in the northwest part of the state. Wind-driven grass fires caused problems in several areas. |
| Denver to Fort Collins | 31 | PM | | | 1 | 4 | 5 | | Wind Severe winds caused widespread light to heavy damage in an area along and just east of the foothills. The most severe damage was in the Fort Collins area where 11 people were injured by flying debris or glass from broken windows. A man was drowned when his boat was overturned at a reservoir near Fort Collins. Numerous grass fires caused minor damage in the area. Maximum wind gust at 76mph was observed between 2:30 and 3:00PM at Fort Collins. Gusts from 45 to 65mph were observed or estimated in the area. |
| Connecticut Statewide | 3-5 | AM - AM | | | 0 | 0 | 4 | 0 | Snow, glaze, wind Storm began as snow but turned to freezing rain and rain and then back to snow before ending. Precipitation amounts generally ranged from 1 to 1 1/2 inches and snowfalls from trace along the southeast coast to 2-4 inches elsewhere except 4-8 inches in the northwest. Slippery roads were responsible for many vehicular accidents including one involving 8 cars and 4 trucks on I-91 in Windsor. Strong winds with gusts up to 70 mph felled trees, cut off power and combined with dangerous road conditions to close many schools on the 4th. A DC9 jet skidded off a runway at Bradley International Airport but damage was minor. Falling trees damaged several cars and 4 people were injured in three vehicles hit by trees. |
| Delaware Northern portion | 3- | Morning-4 Morning | | | 0 | 0 | 4 | 0 | Snow Snow totaled up to 4 inches and on the 4th created traffic jams for workbound motorists; there were scores of minor traffic accidents. Schools opened one to two hours late. |
| State | 4 | All day | | | 0 | 0 | 4 | 0 | Wind Widespread minor damage was caused by strong gusting winds which were reported to have exceeded 50 miles per hour. Trees were overturned and utility poles down. Wind damage in excess of \$3,000 was reported at Milford. |
| Kent County | 19- | Late evening-early morning | | | 0 | 0 | 4 | 0 | Wind Wind damage included downed power lines and trees and near Willow Grove an overturned large mobile home. |
| Florida Near Boynton Bch. 12 S Palm Bch. | 01 | 8:35a | | | | | | | Funnel aloft |
| Near Jay 35 N Pensacola | 02 | 12:45p | | | | | | | Funnel aloft |
| Central Florida | 03 | afternoon | | | 0 | 1 | 5 | 0 | Tornadoes, Wind damage, rain. A vicious squall line battered its way across Florida's midsection Wednesday afternoon accompanied by heavy winds, rain and several small tornadoes. Wind gusts up to 50 mph combined with driving rains caused many minor accidents along the Gulf Coast Counties. Major damage included \$2,000 damage to a Citrus County fair circus tent and extensive minor damage to many homes from breaking tree limbs. Minor flooding also occurred in low-lying areas. One man was drowned when his boat capsized while fishing but there was only one directly related storm injury reported. Major details are listed below. |

See reference notes at end of table.

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|--|-------|-----------------------|--|-----------------------|----------------|---------|------------------|-------|--------------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| Florida (continued) | | | | | | | | | |
| Dunedin's Home Port Marina, Pinellas Co. | 03 | afternoon | | | 0 | 0 | 4 | 0 | Wind damage |
| | | | High winds slammed a \$15,000 boat into the dock and it eventually sank along with two motors and other costly gear inside. | | | | | | |
| Leesburg Lake Co. | 03 | afternoon | | | 0 | 1 | 0 | 0 | Wind damage |
| | | | A seven year old boy escaped serious injury when he was struck by a heavy ventilator blown by high winds from roof of Partry Pride store. | | | | | | |
| Hudson 25 NW Tampa | 03 | 2:31p | 1/4 | 10 | 0 | 0 | 3 | 0 | Tornado |
| | | | Tornado dipped into a trailer court tearing apart two mobile homes. Accompanying high winds caused minor flooding. No injuries. | | | | | | |
| Honeymoon Island 23 W Tampa | 03 | 2:35p | | | | | | | Waterspouts (2) |
| | | | Two waterspouts sighted vicinity of Honeymoon Island near Clearwater. | | | | | | |
| Old Tampa Bay 10 W Tampa | 03 | 2:55p | | | | | | | Waterspout |
| | | | Waterspout sighted over Old Tampa Bay. Might have moved inland 5 miles N of Tampa Airport. | | | | | | |
| Ocala 32 SSE Gainesville | 03 | 3:15p | | | 0 | 0 | 4 | 0 | Wind damage |
| | | | Tree toppled in wind gusts to 52 mph causing \$4,000 damage to one house, causing major damage. | | | | | | |
| Venty Tampa | 03 | 3:20p | 1/4 | 10 | 0 | 0 | 3 | 0 | Tornado |
| | | | A small tornado touched down briefly at 109th Street and N. Blvd., overturned a trailer and damaged two electric poles. | | | | | | |
| Venty Tampa | 03 | 3:40p | 1/4 | 5 | 0 | 0 | 0 | 0 | Tornado |
| | | | A tornado touched down briefly in Full Park, at Palm River Rd. and 58th Street, no damage reported. | | | | | | |
| 1 NW Lakeland Polk Co. | 03 | 4:00p | 1/4 | 50 | 0 | 0 | 3 | 0 | Tornado |
| | | | Ray. Patrol reported tornado touched down briefly at Soorum Loop Road. Estimated damage \$2,000 to two houses. | | | | | | |
| S of Sarasota | 03 | 4:20p | 1/2 | 10 | 0 | 0 | 3 | 0 | Tornadoes (2) |
| | | | 1/2 | 30 | 0 | 0 | 0 | 0 | |
| | | | Two tornadoes touched down in Sarasota Beach causing minor damage. Estimated \$2,500 in damage. | | | | | | |
| Lemon Bay, off Sarasota | 03 | 4:40p | | | | | | | Waterspout |
| | | | A waterspout was reported in Lemon Bay near Kingswood. | | | | | | |
| Venty Punta Rasa 10 SW Ft. Myers | 03 | 5:14Op | 1/4 | 20 | 0 | 0 | 4 | 0 | Tornado |
| | | | A tornado touched down at Port Comfort Marina and tore the roof from a long shed damaging several boats 100 ft. away. Damage estimated at \$20,000. | | | | | | |
| New Port Richey Pasco Co. | 04 | afternoon | | | 0 | 1 | 0 | 0 | Wind damage |
| | | | Workman for cablevision blown from a telephone pole. In satisfactory condition after surgery. | | | | | | |
| Mascotte Lake Co. | 07 | 6:20a | 1/4 | 30 | 0 | 0 | 3 | 0 | Tornado |
| | | | Man weakened by roaring sound like a jet aircraft engine. In 30 seconds it was all over. Giant live oak trees about 80 ft. tall were uprooted. Many fruit trees destroyed and a chicken house had completely disappeared. Some damage to house and truck for a total loss of \$3,000. | | | | | | |
| Venty Pensacola | 13 | daytime | | | 0 | 0 | 0 | 3 | Hail (1-3/4") |
| | | | Hailstones the size of golf balls littered ground and stripped leaves and small branches from trees causing loss of this years fruit and creating a driving hazard. Hail fell in morning and early afternoon from Ft. Walton Beach westward to Pensacola. Damage estimated to be about \$1,000 mainly to fruit loss. The hail was embedded in a severe storm bringing high winds, lightning and heavy rain to this area. | | | | | | |
| 15 NW Baker 20 NE Crestview | 13 | 11:30a | | | | | | | Funnel aloft |
| Ormond Beach 6 N Daytona Boh | 13 | 4:55p | | | 0 | 0 | 0 | 0 | Hail (1-3/4") |
| | | | Public reports golf ball size hail. | | | | | | |
| Starke Clay Co. | 13 | afternoon | | | 1 | 0 | 0 | 0 | Lightning |
| | | | A 50 yr. old woman killed instantly when a bolt of lightning struck boat she & husband were fishing in. Husband not injured. | | | | | | |
| Florida (continued) | | | | | | | | | |
| 20 NW Daytona Beach Bunnell | 16 | 9:08a | | | | | | | Hail (1-3/4") |
| | | | Public reports golf ball size hail. | | | | | | |
| 3 N Ocala 32 SSE Gainesville | 26 | 1:05p | | | | | | | Funnel aloft |
| 23 NW Homestead | 30 | 9:45a | | | | | | | Funnel aloft (2) |
| | | | Several sightings of funnel clouds. | | | | | | |
| Georgia | | | | | | | | | |
| Moultrie, near | 3 | 10:30 a | 3 | 400 | 0 | 0 | 4 | 0 | Tornado |
| | | | Storm moved through a rural area near Moultrie and through a trailer park at Spence Field. Trees were uprooted, one tobacco barn was demolished and several other farm buildings damaged. One trailer was blown off its foundation and 3 others were heavily damaged. Roofs of 15 buildings at Spence Field suffered varying amounts of damage. Funnel cloud observed above surface at one point and is thought to have barely reached ground. Storm moved northeast. | | | | | | |
| Most of State | 1-4 | | | | 0 | 0 | 6 | 4 | Heavy Rains |
| | | | Extremely heavy rainfall in a 3 to 4 day period resulted in extreme damage to roads, bridges, streets, farm land and other public and private property. The heaviest rains were in central sections where a 4 or 5 county area in the west central division and a smaller area in the east central division had 4 day totals of more than 7 inches. Rainfall exceeded 3 inches over about one-half the State's area and was more than an inch everywhere except in the southeast division. Homes and businesses were flooded in several middle Georgia communities. At least 100 families were rescued by boat in the Augusta area. Some of the State's major rivers reached their highest stages since 1948. | | | | | | |
| Northeast | 15 | | | | 0 | 0 | 5 | 0 | Windstorms |
| | | | A rapidly moving cold front brought thunderstorms and damaging winds to several areas in northeast and east Georgia. Two trailer homes were overturned and roofs were damaged in rural Madison County. A drive-in theater screen was demolished, a trailer was moved from its foundation and buildings were damaged at Hartwell. Trees were uprooted in White County and near Athens and the roof was tipped from a manufacturing plant at Waynesboro. Scattered light wind damage was reported at several other places. Times of damage extended from mid-morning in the extreme northeast to 2:15 PM at Waynesboro. | | | | | | |
| Colquitt County | 25 | Night | | | 0 | 4 | 4 | 0 | Wind, Rain and Lightning |
| | | | Heavy rain, wind and lightning caused damage in several areas of the County. Roads and streets were flooded and farm land was badly washed when 4 to 5 inches of rain fell during the night. One man was injured when his car hit water in the road and overturned. Several trailer homes were overturned and small buildings were damaged by the wind. Three members of one family were hurt when their mobile home was upset. At least 2 homes were partially burned after being struck by lightning. | | | | | | |
| North | 25-26 | | | | 2 | 2 | 6 | 0 | Ice Storm and Snow |
| | | | This was Georgia's most destructive ice storm since 1935. Snow began in the western part of north Georgia in the early morning of the 25th and by noon had spread across the State. Snow changed to rain in west and central areas during the afternoon and with a slight drop in temperature part of the rain began freezing on trees, shrubs, wires and other objects near the surface. This continued through much of the night in a 3 to 4 county wide area extending from the Metropolitan Atlanta area east northeastward to Hall, Jackson and Clarke Counties. Tree branches and entire trees were broken or pulled down by the weight of the ice. Utility lines were down throughout the area and many houses, trailers and automobiles were damaged by falling trees. Two people were killed and two others injured in north Fulton County when a large tree fell across their moving automobile. Unreported other minor injuries resulted from falls. Power failures were widespread throughout the area and thousands of homes and businesses were without electrical service for periods ranging from a few hours to as much as 48 hours. Poultry hatcheries suffered heavy losses because of the power outage and an estimated 2,000,000 eggs were ruined. Many poultry houses collapsed under the weight of snow and ice and the chick mortality rate increased tremendously. The power companies alone suffered over \$1,000,000 in losses. Snow continued to fall east and north of the ice belt and by the morning of the 26th, 7 to 12 inches of snow covered about eight counties in the northeast corner of the State. | | | | | | |
| Hawaii | | | | | | | | | |
| 32 W of Honolulu, Oahu | 25 | 2:03 p. | | | | | | | Waterspouts |
| | | | Following a cold-front passage, pilot observed 4 waterspouts in a line about 3 miles long descending from cloud with base about 1,200 to 1,800 feet and oriented east-northeast to west-southwest, with apparent movement towards west-southwest. Cloud-tops could not be determined because of overcast. | | | | | | |

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| Idaho | | | | | | | | | |
| Snake River Valley, Twin Falls northeastward | 1 | A.M. | area | area | 0 | 0 | 3 | -- | Strong wind |
| | | | | | | | | | Strong winds accompanied by snow drifted to close many roads in Clark and Jefferson Counties forcing schools to close, and further south caused at least 10 auto wrecks. |
| Sandpoint, Bonner County | 3 | 1:00 p | 2 | 100 | 0 | 0 | 3 | -- | Strong Wind |
| | | | | | | | | | Strong gusty winds accompanied by rain, snow and some hail uprooted trees, downed signs and wrecked at least one camper. |
| Eastern Idaho | 16 | Midnight to mid-afternoon | area | area | 0 | 0 | 4 | -- | Blizzard |
| | | | | | | | | | Snow on strong winds dumped from 2 to 6 inches of snow that drifted to close many rural roads from Craters of the Moon, Arco, Dubois eastward to Driggs. All roads snow covered and slick. Highway I-80, Burley to Utah border, closed 2 a.m. to 8 a.m. Many accidents, traffic disruptions, school closures, etc. |
| Coeur d'Alene area, Kootenai County | 26 | A.M.-P.M. | area | area | 1 | 1 | 5 | -- | Strong wind |
| | | | | | | | | | 65 MPH winds downed large trees, blew in windows buildings unroofed, homes and automobiles heavily damaged by downed trees, aircraft heavily damaged, power disrupted and communications. Local damage reported eastward to Kellogg. One man killed when blown from roof of 12-story building. |
| Weiser, Washington County | 29 | Afternoon | 3 | 100 | 0 | 0 | 4 | -- | Strong wind |
| | | | | | | | | | One-half Weiser Airport hangar roof was blown off--value estimated \$44,500. The roof was blown from Weiser's #2 pump house north of town. |
| Meridian, Ada County | 30 | Afternoon | 1 | 50 | 0 | 0 | 4 | -- | Strong wind |
| | | | | | | | | | Violent wind gusts whipped the area during the afternoon, heavily damaging a drive-in theater screen erected 20 years earlier. Damage estimated \$10,000 to \$12,000. |
| Pocatello Area, Bonneville County | 30- | 8:00 p - 31:4:00 a | area | area | 0 | 0 | 4 | -- | Strong wind |
| | | | | | | | | | A wind storm gusting to 55 MPH hit Pocatello the night of the 30th leaving in its wake shattered patio roofs, toppled cameras and signs, and a variety of other damage such as roofs, trees, signs and utility lines. |
| Winchester to Grangeville area, Lewis and Idaho Counties | 30 | Afternoon & evening | area | area | 0 | 0 | NA | -- | Heavy snow |
| | | | | | | | | | Heavy snowfall accompanied by moderate winds. At least 4" snow fell at Grangeville as well as in most higher regions surrounding. |
| Twin Falls, Twin Falls County | 31 | 10:45 p | NA | NA | 2 | -- | 4 | -- | Strong wind |
| | | | | | | | | | Two persons died of injuries received when wind gust sent a Volkswagen bus crashing into a concrete abutment about six miles SW of Twin Falls. |
| Illinois | | | | | | | | | |
| North and central | 14 | evening | | | 0 | 1 | ? | | Wind, hail |
| | | | | | | | | | Strong winds did considerable but scattered damage in northeastern and central Illinois. Trailer overturned southwest of Springfield with one injury. Tornadoes first reported southeast of RFD but damage apparently from straight winds. Damage too scattered to estimate total. Hail reported in a few areas. |
| Alexander County | 15 | 00:15a | 1/2 | 100 | 0 | 0 | 2 | 0 | Tornado |
| | | | | | | | | | Crossed over from Missouri into Illinois uprooting and twisting trees on the southern edge of Cairo. Winds other than the tornado caused greater damage in the city of Cairo. Wind blew down lone wall remaining on a building being dismantled. Falling wall broke power line and put entire city into darkness for from two to six hours. (CIRC) Wind damage widespread in southern Illinois evening of 14th and early morning of 15th but too scattered for over all estimate. |
| Indiana | | | | | | | | | |
| Indiana, southern | 15 | E.S.T. 1:00a-4:30a | ? | ? | 0 | 5 | 5 | 0 | Wind |
| | | | | | | | | | Wind damage was reported across the entire southern half of the state during early morning hours. Gusts to 63 MPH caused minor damage at Evansville about 1:00p. In Putnam County, between Reelsville and Greencastle, several farm buildings and a car were damaged. A mobile home was damaged at Sheridan (Hamilton County). Farm buildings along SR 135, south of Bergersville (Johnson County) were damaged about 3:30a. At about the same hour an Edinburg business establishment near SR 252 was severely damaged--loss estimated at \$100,000. Two persons were injured when a house-trailer was destroyed at Columbus (Bartholomew County). Also de- |
| Indiana (continued) | | | | | | | | | |
| Lebanon, 4 miles NW (Boone County) | 15 | 2:10a-2:20a | **100 | 20 | 0 | 2 | 4 | 0 | Tornado, wind |
| | | | | | | | | | destroyed was an airport hangar and a concrete block building. At Andersonville (Franklin County), two persons were injured when two mobile homes were blown over about 3:45a. Another person was injured when a house trailer was blown over about 4:00a. at Bethel (Wayne County). Two house trailers were destroyed near Brownsville (Union County) at 4:30a. |
| Shelbyville area (Shelby County) | 15 | 3:30a-3:40a | 4 | 200 | 0 | 5 | 5 | 0 | Tornado |
| | | | | | | | | | Three miles southeast of the intersection of Indiana Road 47 and U.S. 52 a home was almost completely destroyed (\$20,000 loss). Inside air pressure pushed walls outward. A truck-camper was lifted 30 feet and dropped leaving a pile of junk. Movement of tornado was from WSW to ENE. Northwest of Lebanon wind blew down a farm building killing 25 hogs (loss of \$3,000). Injury to people was slight. |
| Lafayette, 4 miles E (Tippecanoe County) | 19 | E.S.T. 3:03a | 1/2 | 20 | 0 | 0 | 4 | 0 | Tornado |
| | | | | | | | | | Tornado first touched ground 2 miles west of Shelbyville near SR 44. In the path were two trailer courts where two trailers were demolished causing three injuries. A school had 200 windows broken and extensive roof damage. Two other damaged schools were closed. An industrial plant had 10,000 sq. ft. of roofing ripped off. Major destruction occurred to a theater, park, shopping center, and to utility lines. At least 28 structures were hit. Three persons were injured by glass and debris. |
| Swayzee area (Grant County) | 19 | About 4:00a | **175 | 20 | 0 | 0 | 4 | 0 | Tornado |
| | | | | | | | | | Small tornado traveling from WSW to ENE carried most of the roof of a house 100 feet. Air pressure pushed east wall outward. People in bedrooms not injured. Two nearby homes damaged slightly. Antennas blown to the north. Total damage about \$18,000. |
| Cowan, 1/2 mile E (Delaware County) | 19 | 5:30a | ? | ? | 0 | 0 | 4 | 0 | Wind |
| | | | | | | | | | Roof damage to several homes and destruction of but buildings occurred in Swayzee. One mile north of Swayzee and one-fourth mile east of SR 13 windows were broken in a dwelling, half of a barn was ripped apart and two smaller farm buildings were flattened. Loss \$12,000. |
| Iowa North, West and Central Districts | 18-19 | | | | | | 6 | | Heavy snow-storm |
| | | | | | | | | | Upward to 12 inches snow fell over northern counties. Wet snow, mixed with ice and driven by 50 miles per hour winds gusting to 70 or 80 mph, downed power lines, damaged trees and interrupted highway travel in many localities. Numerous highway accidents were reported. |
| Kansas | | | | | | | | | |
| Entire State | 18 | Day | | | 0 | 36 | 6 | 4 | Wind, snow, dust |
| | | | | | | | | | A very intense low pressure storm center moved from extreme south central Nebraska through northwestern Missouri into southeast Iowa, causing very strong winds over all of Kansas. There was widespread damage to buildings, fences, signs, antennas, power and telephone lines, mobile homes, and miscellaneous other property. Winds were generally in the range of 50 to 70 mph, gusting to 70 to 90 mph. There was a report of a peak gust of 115 mph at 1:00 p.m. at Hays (this was by Frontier Airlines, using an anemometer exposed 39 feet above the ground). Damage was estimated at \$2 million; the storm loss was \$500,000 in the Wichita area, and \$250,000 in the Hays to Great Bend area, and \$200,000 in the Garden City vicinity. Twenty-seven of the injured were reported in the Wichita area. Snow accompanied the strong winds over parts of north central and northwestern Kansas, with near blizzard conditions reported in the snow areas. Several roads were closed because of zero or near zero visibility in snow and blowing snow; a number of travelers were stranded. Considerable blinding dust occurred over central and western Kansas but damage to crops was light. |
| Kentucky | | | | | | | | | |
| West | | | | | | | 6" | C | Flooding |
| | | | | | | | | | Cont'd. from February. |
| | | | | | | | | | The rivers bordering western Kentucky, the Ohio and the Mississippi, and the lower Green River in western Kentucky were still out of their banks as the month began due to the rain and snow of February. The Green River, a tributary of the Ohio River, fell to below bankfull at Calhoun, Kentucky on about March 3. Levels continued to fall slowly along the length of the Ohio River, dropping to below bankfull on about March 9, at Dam 49; March 18, at Dam 50; March 16, at Cairo, Illinois. (For data concerning Mississippi River levels south of Cairo and for additional data concerning the river stages noted above, see this month's issue of Climatological Data National Summary). Reports indicated that flood damage was generally confined to farm lands and roads. Damage estimates were obtained chiefly from the U. S. Corps of Engineers: the Ohio River from about Haysville, Kentucky downstream to about Dam 50, Kentucky, \$1,800,000 damage and 178,000 |

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| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| Kentucky (continued) | | | | | | | | | |
| | | | | | | | | | acres flooded (Kentucky and other states on the Ohio); Green River in Kentucky, \$75,000 damage and 21,800 acres flooded; Rough River in Kentucky, \$202,000 damage and 20,400 acres flooded. Damage further downstream from Dec 50 to Cairo, Illinois was listed as: \$3,000 crop damage and 2,000 acres flooded in Livingston County. Along the Mississippi River in extreme southwest Kentucky damage estimates for Fulton County listed: 9,000 acres flooded and two levees washed away (along with a road on top of each levee); about \$20,000 damage to city, county and Federal property. |
| State | 3 | | | | ? | ? | ? | 0 | Snow |
| | | | | | | | | | A general snowfall ranging from less than 1 inch to about 9 inches resulted in hazardous conditions for pedestrian and vehicular traffic, closing schools in at least 26 counties. There were a number of vehicular accidents over the State, several involving injuries. The snow melted rather rapidly on the 4th. |
| State | 15 | 1:00 a. - 8:00 a. E.S.T. | | | 0 | 3 | 5 | 0 | Wind |
| | | | | | | | | | A vigorous cold front with accompanying thunderstorm activity oriented approximately north-northeast to south-southwest moved rapidly eastward across the State at between 45 and 50 m.p.h., entering Ballard County in the west at about 1:00 a.m. and moving to within 50 miles of the extreme eastern tip of Kentucky by 8 a.m. (radar report). Wind speeds of 62 m.p.h. were recorded at the Evansville, Indiana Weather Service Office; at 53 m.p.h. at the Louisville Weather Service Office; at 60 m.p.h. at the Lexington Weather Service Office; at 38 m.p.h. at the Weather Service Cooperative Station at Glasgow; at 52 m.p.h. at the Weather Service Cooperative Station at Somerset. At least three persons were reported by news sources to have been injured (one in Crittenden County and two persons in Mercer County) in the damage to or destruction of six mobile homes by high winds in the counties of Crittenden, Monroe, Washington, Franklin, Mercer, and Bourbon. A camper was flipped over in Bourbon County. Preliminary estimates (very "rough") indicated total damage over the State at about \$250,000 or more. Several dozen reports from about a like number of counties indicated widespread wind damage at locations scattered over most areas of the State. Damage was to roofs of houses, carports and porches of houses, TV antennas, barns (a number damaged or destroyed) trees, utility lines, outbuildings, a boat dock, plate glass windows, mobile homes, garages, etc. Perhaps the most extensive damage was reported in the Tompkinsville area of Monroe County south central Kentucky, and in Boone County (estimated \$100,000 damage to a warehouse). Indications were that most if not all the damage in the State was due to straight-line high winds associated with thunderstorms and/or the cold front passage. Witnesses in Tompkinsville reported seeing a cloud revolving but parallel to the ground (this may have been a "roll cloud" which is often associated with a cold front passage). Tompkinsville witnesses reported all debris blown toward the northeast. In Fayette County there were unconfirmed reports of a cloud reported to have dipped toward the ground at about the time damaging high winds struck the area (6:18 a.m. E.S.T.); a barn downed and debris from it scattered as if by counter-clockwise winds. |
| Louisiana | | | | | | | | | |
| Lake Pontchartrain | 3 | 7:09-7:15a. | | | | | | | Funnel cloud aloft |
| | | | | | | | | | Funnel cloud reported over Lake about 10 miles north of Lakefront Airport, New Orleans. Well defined: almost touched water. |
| Lake Pontchartrain | 3 | 10:47a. | | | | | | | Funnels aloft (2) |
| | | | | | | | | | Pilot report funnel cloud 10 miles northeast of Moisant International Airport; another momentary funnel sighted from Moisant Tower 5 miles northeast over south end of Pontchartrain Causeway. |
| State | 9-10 | 7:00p.-2:30a. | | | 1 | 37 | 6 | 0 | Wind, hail, rain, tornado, funnel aloft |
| | | | | | | | | | Strong squall line moved into State from Texas during evening, passing southeastward to New Orleans area before 3 a.m. Wind damage reported before 9 p.m., with trees blown down between Ringgold and Jamestown (Brenville Parish). Airport operator at Deridder (Beauregard Parish) reported winds of 100 m.p.h. a little after 10 p.m. Roof was blown off main hangar. Sheriff said several homes lost roofs. Two trailer homes and warehouse damaged by wind at Mamou (11:50p. - Evangeline Parish). Funnel cloud reported by public near Sunset (St. Landry Parish) at 11:38p. Hail reported throughout Evangeline and St. Landry Parishes. High wind struck at Grand Coteau, (11:45 p.m.) overturned trailer and unroofed several sheds. At Arnaudville (12:10 a.m.) winds demolished 12 house-trailers, badly damaged several others in two trailer parks, 29 injured. One man injured (11:30 p.m.) 5 miles south of Lake Arthur (Vernilion Parish) as winds demolished two trailers and oil rig. Hail reported near Donaldsonville (Assension Parish) at 1:05 a.m. and during next hour extended eastward through St. James, St. John and St. Charles Parishes to the New Orleans area. Winds damaged 25 homes in Bogard (St. John Parish) with several homes, left 17 families homeless, but no injuries reported. Lightning, hail, rain preceded tornado which touched down at Jefferson Highway and Webster St. in Kenner (Jefferson Parish) at 2:00 a.m., destroyed service station and one frame house, unroofed two others. Storm moved northeastward into West Metairie (Orleans Parish) with several skips in path. Path 3 miles by 30 yards, with lesser wind damage surrounding areas. More than 200 homes damaged. Laundry equipment blown and bar-hotel on Airline Highway damaged. Several houses suf- |
| Louisiana (continued) | | | | | | | | | |
| Caddo Parish | 12 | 10:25p. | | | | | | | Severed major damage in 600 to 800 blocks of Atlanta and Cumberland Streets. Green Park School suffered some roof and considerable glass damage. Roof damage at Lynette and David Drive. Storm passed over Jefferson Downs and unroofed one two-story house just off I-10. One fatality due to heart attack in Kenner, seven injuries. |
| | | | | | | | | | Sighted 2 miles north of Vivian. No apparent damage. Over 3 inches rain measured at cooperative substation at Rodessa (5 miles north of this location)-morning of 13th. |
| Caddo and Bossier Parishes | 28-29 | 9:15p. - 12:06a. | | | 0 | 0 | 0 | 0 | Hail |
| | | | | | | | | | Golf ball sized hail reported 6 miles southwest of Shreveport (9:15p.m.) and at Benton (12:06a.m.) |
| Maine | | | | | | | | | |
| State | 3-5 | | | | 0 | 0 | 6 | 0 | Wind, snow, glaze |
| | | | | | | | | | Very intense storm with record or near-record low barometer readings near the center moved northeastward through the state on March 4, with major wind damage in the southern half. Wind gusted to 60 mph or higher in many areas, with extensive damage to trees and utility lines and some damage to structures. Gusts to 75 mph at Matinicus Island. Pounding surf caused much beach erosion and destroyed some cottages. A lobster boat was smashed against a seawall at Rockland. Low-lying coastal areas were flooded. Snowfall generally 8 to 20 inches except tapering down to 5 inches some coastal areas where partly rain. Freezing rain at times many areas in south and east. Snowfall in interior brought total depths on ground to about 40 to well over 50 inches. Much drifting. Near-blizzard conditions in northwest. Transportation hampered or halted. Many schools closed. Precipitation mostly on March 3-4, but ending on 5th in northeastern portion. Strongest winds on March 4-5. |
| State | 7-8 | | | | 0 | 0 | 0 | 0 | Snow |
| | | | | | | | | | Second major snowstorm of month brought mostly 4 to 10 inches except down to only 1 to 2 inches in many coastal areas. |
| State | 11-12 | | | | 0 | 0 | 4 | 0 | Snow |
| | | | | | | | | | The third heavy snowstorm in a little over one week brought variable amounts but 5 to 15 inches to most of the state. This snowfall brought the total accumulation on the ground to the greatest seasonal depth on March 12 at many stations, and to 76 inches at both Guilford and Springfield for a new state record for snow depth. The weight of snow collapsed some buildings. |
| State | 19-20 | | | | 0 | 0 | 0 | 0 | Snow |
| | | | | | | | | | The fourth major snowstorm of the month, with totals variable but mostly 5 to 15 inches except less in most coastal areas. |
| Maryland | | | | | | | | | |
| Northern portion | 3-4 | Early morning-night | | | 0 | 0 | 4 | 0 | Snow, wind |
| | | | | | | | | | Snow totaled up to 15 inches in the western portion and 8 inches in the eastern. Blowing snow and slippery highways made early morning traveling on the 4th dangerous; many traffic accidents were reported. Schools were closed or were delayed in opening for the day. Blizzard-like conditions prevailed in the western portion, especially in Garrett County, where many cars were abandoned along back county roads after becoming snow-bound. |
| State and District of Columbia | 4 | All day | | | 1 | 0 | 5 | 0 | Wind, high tides, flooding |
| | | | | | | | | | Widespread minor damage resulted from strong gusty winds. Nearly 10,000 homes in Maryland were without electricity as utility poles were blown down. A freighter in the Baltimore harbor tore loose from its moorings and rammed a pier, damaging the ship more than the pier. One death was attributed to the wind when a car crashed into a falling tree near Vienna, Dorchester County. Plate glass windows were blown out. A combination of strong winds, glaze icing to 1 1/2 inches thickness and inadequate clamps on guy wires caused the collapse of a 600-foot radio transmitting tower which in turn brought down a nearby 200-foot tower at 10:55 AM near Towson; damage was estimated at \$30,000. Along the Chesapeake Bay area abnormally high tides, driven along by strong northwest winds, rolled over low-lying coastal areas. At Crisfield many streets were under water for several hours during the morning hours as tide waters ranged from 6 inches to near 2 1/2 feet deep. Erosion damage along the coast at Point Lookout State Park was reported. |
| Southern areas | 26 | | | | | | | | Snow |
| | | | | | | | | | A late season snow, confined mostly to these areas, totaled up to 7 inches but melted rapidly under rising temperatures. |
| Massachusetts | | | | | | | | | |
| State | 3-5 | | | | 0 | 0 | 7 | 0 | Wind, snow, glaze rain |
| | | | | | | | | | Storm very intense with record low barometer readings near the center, which moved northeastward through state mid-day on March 4, just to the east of Worcester. Sea-level pressure at Worcester Municipal Airport only 28.36 inches, the lowest ever recorded there. Major damage from winds that approached or exceeded record speeds for March. Highest winds were east of the low-pressure track, with gusts of 70 to 100 mph. But all across the State wind felled trees and utility lines and |

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1971

| 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 | | |
| Massachusetts (continued) | | | | | | | | | | |
| | | | | | | | | | | did considerable structural damage. Tides reported up to 4 to 5 ft. above normal and a pounding wind-driven surf took a number of beach cottages, flooded low-lying coastal areas, and caused much erosion of the shoreline. A barge was blown ashore at Gloucester. Precipitation varied from mostly rain and freezing rain along the coast to heavy snow in the extreme west. The Berkshire area received generally 9 to 18 inches of snow. Precipitation was mostly as snow west of the Connecticut River. Transportation was hampered. Roads were hazardous, with numerous accidents, from snow in west and glaze in east. Many schools closed and some businesses shut down. Precipitation was mostly on March 3-4. The heaviest wind was on the 4-5th. |
| Western portion | 7-8 | | | | 0 | 0 | 0 | 0 | | Snow |
| | | | | | | | | | | A second snowstorm within a few days brought generally 6 to 12 inches of new snow. |
| Western portion | 19-20 | | | | 0 | 0 | 0 | 0 | | Snow |
| | | | | | | | | | | A third heavy snowstorm of the month brought this area mostly 9 to 18 inches, which brought the accumulation of snow on the ground to from 30 to 40 inches deep in many areas, new heights for the season. |
| Essex County coast | 27-28 | | | | 0 | 0 | 4 | 0 | | Coastal flooding |
| | | | | | | | | | | Unusually high tides, huge waves from a distant ocean storm, and onshore winds combined to flood low-lying areas. Waves broke over seawalls. Some houses on the east side of Plum Island were surrounded by water. |
| Michigan Statewide | 6-7 | | | | 0 | 0 | 4 | 0 | | Heavy Snow |
| | | | | | | | | | | Drifting snow caused school closings from east central Michigan northward into eastern Upper Peninsula. Hardest hit by power failures were those dairy farms without auxiliary power in the Thumb area. The wind driven snow reduced visibility to near zero in many areas and was believed to be a factor in a bus-snowplow collision at St. Ignace which killed the bus driver and injured 17 passengers. |
| Minnesota Southern Minnesota | 17-18 | 7:00 p 11:00 p | | | 0 | 0 | 0 | 0 | | Snow Storm |
| | | | | | | | | | | Through the southern two to three tiers of counties heavy snow with strong winds began early evening on the 17th in western part and moved rapidly east. Snow falls of 4 to 6 inches fell across this area except the vicinity from Worthington-Windom-Lakefield which received 12 to 15 inches with winds gusting to near 60 mph. This stopped all traffic until early Friday morning the 19th. There were more than 100 trucks stranded at a "truck stop" at Worthington. Most schools remained closed in the very heavy snow area on 18th and 19th. Very few hardships occurred since temperatures remained near the freezing level. |
| Mississippi Harrison County | 2 | 1:45 p. | | | | | | | | Funnel Cloud Aloft |
| | | | | | | | | | | Gulfport Fire Tower reported funnel cloud 3 N Gulfport (lat. 30.4°N, long. 89.1°W). No reports of damage received. |
| Jackson County | 2 | 2:35 p. | | | | | | | | Funnel Cloud Aloft |
| | | | | | | | | | | Public reported funnel cloud not touching ground (lat. 30.6° N, long. 88.6° W). |
| Copiah County | 2 | 4:50 p. | | | | | | | | Funnel Cloud Aloft |
| | | | | | | | | | | Radio Station WMEC Personnel reported funnel 10 S of Hazlehurst moving northeast (lat. 31.7° N, long. 90.4° W). |
| Lincoln County | 2 | 5:17 p. | | | 0 | 0 | 0 | 0 | | Funnel Cloud Aloft, Hail |
| | | | | | | | | | | Brookhaven Fire Tower reported funnel cloud 7 NW Brookhaven and one inch hail (lat. 31.7° N, long. 90.6° W). No reports of damage received nor evidence found of a touchdown. |
| Lawrence County | 2 | 5:20 p. | | | | | | | | Funnel Cloud Aloft |
| | | | | | | | | | | Radio station reported funnel cloud not touching ground just SE of Monticello moving NE. Later public report noted no damage. |
| Jones County | 2 | 6:15 p.- 6:20 p. | 2 | 100- 120 | 0 | 0 | 5 | C | | Tornado |
| | | | | | | | | | | A line of thunderstorms moved eastward across the County. During the cloudy and rainy weather a small tornado touched down W of Highway 15, about 1/4 mile S of the Jasper County line (lat. 31.8° N, long. 89.1° W). Power lines were downed all through the Matthews community west of the Moss Store and also near Perdue's Store in the Sharon community. The tornado caused intermittent damage along a path mostly 100-120 yards wide and about 1 1/2 - 2 miles long. Debris was lodged in trees for about 1/2 mile on either side of the path. Mr. Beaton H. Matthews noted 2 funnels "reached ground", it "sounded like a freight train coming. . . . unusual lightning and thunder. . . ." He reported about \$7000 damage to his home and said he lost a number of trees. The storm moved northeasterly to the property of Mr. Brinson Smith, who upon hearing the roaring noise of the storm, raised some windows; he stated the suction force of the storm almost pulled him out of the window, but his |
| Mississippi (continued) | | | | | | | | | | |
| | | | | | | | | | | home was undamaged. One barn was affected and two large chicken brooder houses were destroyed; damage estimated \$35,000. The storm then then damaged a rental house, lifting it off its foundation and turning it around a large number of nearby trees were uprooted. It then moved across Highway 15 to the main part of the Double D Ranch (Polled Hereford). There, Mr. and Mrs. Perry M. Davis went from their front door to the carport; he noted there was "roaring and heard thunder way off. . . we saw (2) funnels when they dropped from" the "overhead cloud. . . they went together. About 45 seconds from time funnels dropped it was gone. Eye of storm was only 10 or 12 feet in diameter, whirling counterclockwise with squealing noise". . . the roof was ripped off the house. Mr. Davis wrote, "I was only about 30 yds. lying in open, from eye" it destroyed 2 large barns, one of which was of double concrete block construction and killed a registered cow (\$400 loss); it destroyed 2 small farm implement sheds and damaged machinery; estimated property damage \$65,000. Mr. and Mrs. Tracy Moss at their store close to the Davis ranch saw the storm coming, "We heard this odd sound. . . had some hay stacked in my yard with tin over it and the tin wasn't even moved." Newspaper noted, "About two miles from the Matthews community toward Sharon, G. T. Perry's barn was damaged by the tail of the whister." |
| Wayne County | 2 | Night | | | 0 | 0 | ? | 0 | | Funnel Cloud Aloft, Wind |
| | | | | | | | | | | At 6:00 p.m. public sighted funnel cloud moving towards NE just W of Waynesboro Airport (lat. 31.7° N, long. 88.7° W). No reports received of damage attributable to a touchdown. Laurel newspaper notes, "The Country Club and airport at Waynesboro were reported damaged by heavy winds Tuesday night. No one was reported injured and the damage is believed not extensive." |
| Mississippi Sound | 3 | 9:10 a. | | | | | | | | Waterspout |
| | | | | | | | | | | Pascagoula Police reported waterspout between Horn Island and Round Island about 7 S Pascagoula (lat. 30.3° N, long. 88.6° W). |
| Holmes County | 6 | 12:10 p.- 1:30 p. | | | 0 | 0 | ? | 0 | | Thunderstorms, Hail |
| | | | | | | | | | | Thunderstorms with patches of hail and some wind damage. Hail in Brozville and Coxbury areas (SW of Lexington). No severe damage noted; county agricultural agent wrote winds "blew away outhouses and barns." Woman to E of Brozville reported about 12:30 p.m. "hail fell enough to cover ground, but rain melted it." Hailstones averaged 1 inch diameter with largest 2 inches and it occurred in about a 2 mile area. |
| Panola County | 6 | 12:30 p. | | | | | | | | Funnel Cloud Aloft |
| | | | | | | | | | | Highway Patrol reported funnel cloud 8 NE of Batesville, (lat. 31.3° N, long. 90.0° W). A few trees and a TV antenna were blown down; no indications of a touchdown received. |
| Lafayette County | 6 | 12:45 p. | | | | | | | | Funnel Cloud Aloft |
| | | | | | | | | | | Funnel cloud was observed 2 S of Oxford moving NE (lat. 31.4° N, long. 89.5° W). No damage reported; no indications of a touchdown received. |
| Lauderdale County | 6 | About 4:00 p. | | | 0 | 0 | 4 | 0 | | Thunderstorm, Funnel Cloud Aloft |
| | | | | | | | | | | A line of thunderstorms moved through the county. Wind damage was reported with a severe thunderstorm in the SE corner of the county. An inspection of the area showed damage due primarily to fallen limbs, etc.; the debris was aligned generally parallel to the movement of the storm. Damage occurred in a strip extending from 2 SE Causeville to just S of Wynot. The greater damaged path was about 300 yards wide, in scattered places, for about 3 miles in which 6 homes were damaged, fences pulled up, trees uprooted and power lines blown down. Inspectors of the damage, etc., believe "it must have been a funnel cloud very close to the surface, embedded in a severe thunderstorm." There was a distance of about 4 miles with little or no damage then near Wynot a barn and 2 houses were reported damaged. The Civil Defense Director estimated damages at \$15,000. |
| Forrest County | 12 | 12:08 p. | | | 0 | 0 | ? | 0 | | Hail |
| | | | | | | | | | | Mississippi Highway Patrol reported hail up to golf ball size covered ground 4 or 5 N of Hattiesburg (lat. 31.1° N, long. 89.3° W). |
| Copiah County | 12 | 3:23 p. | | | 0 | 0 | ? | 0 | | Hail |
| | | | | | | | | | | Hail was reported in Crystal Springs area and 4 NNE (lat. 32.0° N, long. 90.1° W). The hail ranged up to 3/4 inch in diameter. |
| Simpson County | 12 | 4:45 p.- 5:00 p. | ? | *1 | 0 | 0 | ? | 0 | | Hail |
| | | | | | | | | | | Newspaper noted, ". . . marble-sized hail fell, leaving an accumulation of several inches on the ground. The hail storm accompanied by strong winds, hit in Harrisville and also east and west of town. It lasted about 15 minutes." Man wrote "Most of this hail was soft and this cut down the amount of damage. . . ." Some "roof top damage" was noted. He commented, "The thickest part of the hail zone was about a mile wide." The diameter of the largest stone was 3/4 inch and the greatest depth on the ground was 4 inches. |
| Neshoba County | 22 | 4:30 p. | | | 0 | 0 | ? | 0 | | Hail |
| | | | | | | | | | | Hail 1/2 inch to 3/4 inch was reported by public in Philadelphia (lat. 32.8° N, long. 89.1° W). |
| Hinds County | 25 | 3:15 p.- 4:00 p. | | | 0 | 0 | 4 | 0 | | Lightning |

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1971

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS ESTIMATED DAMAGE | | | | CHARACTER OF STORM | PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS ESTIMATED DAMAGE | | | | CHARACTER OF STORM |
|--|------|---|------------------------|-----------------------|---------------------------------|---------|----------|-------|---|------------------------------------|---------|--|------------------------|-----------------------|---------------------------------|---------|----------|--------------------|-------------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | | | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| Mississippi (continued) | | | | | | | | | | Missouri (continued) | | | | | | | | | |
| | | Severe electrical storm moved from W towards E. Lightning around 3:30 p.m. struck general store in Learned area and it burned to ground. Estimated \$15,000 damages to building and contents. | | | | | | | | | | northeast in the North Boulevard, Henderson, Brighton areas. Damage was mainly to roofs, particularly large warehouse type structures, and to trees. Two reports of funnel clouds aloft were received along the path. | | | | | | | |
| Madison County | 29 | 1:20 a. | | | | | | | Funnel Cloud Aloft | Alfalfa Center, Mississippi County | 15 | 12:10 am | | | | 4 | | Thunderstorm Winds | |
| | | Man reported funnel cloud on U. S. Highway 55, 8 N Jackson at Tongaloo (lat. 32.4° N, long. 90.2° W). No indication shown on radar; no later reports of damage received. | | | | | | | | | | Two barns and several small sheds were destroyed on two farms on the south edge of Alfalfa Center in extreme northeast Mississippi County (3 miles southwest of Cairo, Ill.). This damage was undoubtedly related to the damage a few minutes later in the south portions of Cairo, Illinois. | | | | | | | |
| Pontotoc County | 29 | Before 3:30 a. | | | 0 | 0 | 5 | 0 | Lightning | Wyatt, Mississippi County | 15 | 12:50 am | 2 mi | 200 | | 5 | | Tornado | |
| | | About 3:30 a.m. Pontotoc Fire Department received phone call of fire at First United Methodist Church. According to the Mayor, lightning struck the building through the roof and the fire started on the third floor. The church pastor estimated \$150,000-\$200,000 damages to Educational Building, while the main church building and sanctuary suffered smoke damage. | | | | | | | | | | A funnel cloud was sighted over Wyatt by the City Marshall at the same time that three homes, three garages, two cotton gins and two barns received moderate damage along a southwest to northeast path beginning on the southwest edge of Wyatt. Ten minutes earlier, a 70,000-volt transmission line was toppled near Amniston, Missouri about 7-1/2 miles southwest of Wyatt. No damage was reported between Amniston and Wyatt. Two barns and several sheds were reported destroyed in an area 5-1/2 miles northeast of Wyatt and 1 mile south east of Birds Point a short time later. | | | | | | | |
| Missouri Willard, Greene County | 5 | 10:00 pm | | | | | | | Hail | Entire State of Missouri | 18 & 19 | Morning of 18 through afternoon of 19 | | | | 6 | | Gale Force Winds | |
| | | 3/4 inch hail. | | | | | | | | | | An unusually intense and deepening low pressure center passed over the extreme northwestern corner of the state on its way from North Kansas to the Great Lakes area and produced damaging gale-force winds over most of the state. Post cold frontal winds were gusty and gusty out of the southwest gradually veering to the northwesterly by noon on the 18th. Damage in the western half of the state was due mainly to the southwesterly flow on the afternoon of the 18th with gusts between 30 and 40 miles per hour being measured at most locations. Damage in the northwesterly flow on the 19th was concentrated on the northeast and east central portions of the state with gusts again in the 50 to 60 miles per hour range. Damage in most localities consisted of downed trees, power lines, carpents, signs, pole barns, sheds, etc., but the damage was so widespread that the state total was substantial. The most costly damage appeared to be concentrated in the extreme western counties where for example, a hanger and light aircraft was destroyed at Carthage, three 60-ft. tall silos were toppled at Nevada and the concrete block wall of a gymnasium under construction near Cassville was blown down. | | | | | | | |
| Joplin, Jasper County | 5 | 10:21 pm | | | | | | | Hail | Barnie, Stoddard County | 28 | | | | 1 | | | Lightning | |
| | | 1/2 to 3/4 inch hail reported. | | | | | | | | | | A twelve-year-old boy was struck and killed by lightning in the yard of his home as he was returning to his house due to the approaching thunderstorm. | | | | | | | |
| Southeast half of State | 14 | 5:30 pm to mid-night | | | | | | | Thunderstorm Winds, Funnel Aloft, Tornadoes | Montana Western Montana | 3 | Afternoon Evening | | | | 4 | | Wind, snow | |
| | | Late afternoon thunderstorm activity broke out over Central Missouri and developed rapidly into scattered severe thunderstorms which moved rapidly northeastward. The activity increased in intensity as it spread eastward and southeastward reaching the Cape Girardeau-Cairo, Illinois area about midnight. Reports of sheds, barns, and garages having been destroyed or unroofed by thunderstorm gusts estimated to be in the 60 to 70 miles-per-hour range were scattered throughout the area with the greatest concentration of damage reports originating in the area enclosed by a line from St. Louis to Marthasville (Warren County), to Salem (Dent County), to Poplar Bluff to New Madrid. A few widely scattered reports of funnel clouds aloft were received and post storm surveys indicate two tornadoes. The more notable, or damaging storm reports, are enumerated below. | | | | | | | | | | High winds. Two trucks blown over on Interstate 90 near Livingston. Power poles snapped off in Thompson Falls. Wind with snow in Butte blamed for mishaps to dozens of automobiles. | | | | | | | |
| Centralia, Boone County | 14 | 5:48 pm | | | | | | | Funnel Aloft | Bitterroot Valley | 11 | Morning | | | | 4 | | High winds | |
| | | Off-duty University Security Officer observed funnel aloft form and then retreat into clouds over western portions of Centralia. | | | | | | | | | | Wind overturned a trailer and blew trees into utility lines. Most damage was near Victor and Hamilton. | | | | | | | |
| Marthasville, Warren County | 14 | 7:45 pm | 3/4 | 250-300 | 2 | 5 | | | Thunderstorm Winds | Cascade County | 11 | Mid-day | | | | 7 | | Strong winds | |
| | | Severe thunderstorm winds caused intermittent extensive damage along a narrow strip beginning about 1/2 mile southwest of Marthasville and extending northeastward into Marthasville. Two occupants of a mobile home along Missouri Highway 94 about 1/2 mile southwest of Marthasville were injured as winds flipped and destroyed their home. In the southwest portion of Marthasville a 75-foot high, 100'x50' section of sheet metal covered frame grain elevator was toppled and destroyed. | | | | | | | | | | Winds gusting up to 58 m.p.h. caused blowing dust and debris in several areas much of the day. | | | | | | | |
| NE of Cadet (Washington County) to S. Jefferson County | 14 | 9:45 pm-10:00 pm | | | 1 | 4 | | | Thunderstorm Winds | Red Lodge area, Carbon County | 17 | Morning | | | | | | Snow, wind | |
| | | Strong thunderstorm winds partially unroofed several homes, barns and sheds at several locations in a swath extending from halfway between Tiff and Cadet in northeast Washington County east northeastward across a strip of extreme northwest St. Francois County to the Valle Lake area on Route 19 about 5 miles south southeast of De Soto in south Jefferson County. One woman received a head cut when winds partially unroofed her home northeast of Cadet. | | | | | | | | | | Schools closed by 6-inch snowfall with strong winds. | | | | | | | |
| Perryville to Belgique (Perry County) | 14 | 10:17 pm-10:30 pm | | | | | 4 | | Funnel Aloft, damaging Winds | Missoula, Missoula County | 26 | Afternoon | | | | 4 | | Gusty wind | |
| | | A funnel cloud was reported by the public near the north edge of Perryville at 10:17 p.m. Some minor wind damage occurred in Perryville. The heaviest wind damage occurred to two farms along the New Allens Landing road connecting Perryville and Belgique at points about 6 and 7 miles northeast of Perryville. At the first location, three farm buildings suffered extensive damage and at the second a cattle barn was completely destroyed. | | | | | | | | | | One trailer blown over, falling trees damaged utility lines. Some general storm produced a thunderstorm at Helena, Lewis & Clark County. | | | | | | | |
| Dexter, 4-1/2 S., Stoddard County | 14 | 11:30 pm | | | | | 4 | | Thunderstorm Winds | Nebraska Entire State | 17-18 | | | | 1 | 10 | 6 | 0 | Blizzard-damaging winds |
| | | All of the buildings except the house were destroyed on a farm 4-1/2 miles south of Dexter. Parts of some of the buildings were reported found as far as 2 miles away. | | | | | | | | | | Snow with very strong winds entered the Parhandle on 17th and moved across the State on 18th. Wind driven snow reduced visibility to zero. A man lost his way and froze to death although temperature barely reached blizzard requirements. Wind was the dominate feature of the storm. Snow depths that averaged from one to three inches in south to four to eight inches in the north drifted and blocked traffic. Persistent winds of 40 to 50 miles per hour were common over large areas, gusts were much stronger reaching 78 miles per hour at Grand Island and 100 miles | | | | | | | |
| Cape Girardeau, Cape Girardeau County | 14 | 11:30 pm | 3-4 | 200 | | | 5 | | Tornado | | | | | | | | | | |
| | | A post storm survey by National Weather Service personnel out of the Cairo, Illinois office indicates that a tornado touched down intermittently to tree and rooftop levels along a southwest to northeast path across the northwestern and northern portions of Cape Girardeau. The first damage area began in the Rodney Vista area and extended through Arena Park with a second swath to the | | | | | | | | | | | | | | | | | |

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1971

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|--|-------|---|------------------------|-----------------------|----------------|---------|------------------|-------|--|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| Nebraska (continued) | | | | | | | | | |
| | | per hour at Hastings. | | | | | | | Wind damage reported in all sections of State consisted of downed power lines, mobile homes overturned, grain elevator down, considerable roof damage and some major buildings destroyed, etc. Scattered reports of livestock deaths and one herd of cattle drowned when blizzard drove it into Harlan County Reservoir. |
| Nevada | | | | | | | | | |
| Reno | 26 | A.M.-P.M. | | | 0 | 0 | ? | 0 | Windstorm, Rain |
| | | A storm moved through western Nevada early Friday and brought about a half inch of rain in the valley floor and heavy snow in the mountains. Associated with this precipitation was gusty surface winds up to 60 mph at the airport. Power outage occurred in some parts of the city. A small house trailer in southwest Reno overturned. A glass company warehouse under construction was heavily damaged. Road travel with the snow and strong winds made travel hazardous | | | | | | | |
| New Hampshire | | | | | | | | | |
| State | 3-5 | | | | 0 | 0 | 5 | 0 | Wind, snow |
| | | Storm very intense with record low barometer readings near the center, which moved northeastward through southeastern portion. The sea level pressure at Concord, at 28.44 inches, was a new record there. Major wind damage in southeast, where trees and utility lines were felled and structures were damaged. Snowfall generally 10 to 24 inches over state except some less in south where rain at times reduced the snow yield. Precipitation was mainly on March 3-4, while strongest wind was on the 4-5th. | | | | | | | |
| State | 7-8 | | | | 0 | 0 | 0 | 0 | Snow |
| | | Second heavy snowfall within a few days brought variable amounts but 4 to 10 inches to most of state. | | | | | | | |
| State | 11-12 | | | | 0 | 0 | 4 | 0 | Snow |
| | | A third substantial snowstorm in the month brought variable amounts mostly 2 to 7 inches, sufficient to bring accumulated snow depths in many central and northern areas to from 30 to 50 inches or more, for the seasonal maximum at many stations. The accumulated snow load contributed to the collapsing of some buildings. | | | | | | | |
| State | 19-20 | | | | 0 | 0 | 4 | 0 | Snow |
| | | The fourth and final major snowstorm of the month brought generally 10 to 15 inches over much of the state, but less in the southeast coastal area. Travel was hampered and many motorists were stalled. One death from carbon monoxide in Sanbornton resulted from the storm, when a stalled motorist kept the engine running. | | | | | | | |
| New Jersey | | | | | | | | | None Reported |
| New Mexico | | | | | | | | | |
| Roosevelt County | 5 | 9:00 a. | Short Narrow | | 0 | 0 | 0 | 0 | Tornado |
| | | Tornado, 10 miles northeast of Fabian, De Baca County, dipped down, raised dirt, and withdrew into cloud. Tornado moved toward northeast and caused no damage. Strong winds in state. | | | | | | | |
| New York | | | | | | | | | |
| Ulster and Dutchess Counties | 1-2 | | | | | | | | 4 Flooding |
| | | Snow melt runoff during late February thaw and ice jams caused severe local flooding along Walkill River, between Gardiner and New Paltz, Ulster County and along parts of Wappingers Creek in Dutchess County. Two families forced to evacuate homes as 25 summer vacation homes along Walkill were variously flooded in Town of Gardiner. Several roads in both Counties closed until late on 2nd when level of streams receded steadily. | | | | | | | |
| State | 3-4 | | | | 4 | 4 | 5 | | Snow, wind, sleet, rain |
| | | A cyclonic system forming in Georgia and moving to near Long Island in 24 hours produced one of heaviest March snowfalls on record in the interior of New York State. Storm totals of from 20 to more than 30 inches occurred from the southwestern and southcentral tier through the Mohawk Valley and Adirondacks to the St. Lawrence and Champlain Valleys. Areas in the western Adirondacks measured more than 35 inches. Accumulations averaged 15 inches in the western Finger Lakes and upper Hudson Valley, decreasing to 7 to 10 inches near Lake Erie and in extreme southeastern upstate. West central, central and northern sections of the State were virtually immobilized by the deep snow and considerable drifting, due to high winds averaging 18 to 25 mph. and gusts of 40 to 50 mph. N. Y. State Thruway closed on 4th from Schenectady to Buffalo as thousands of motorists were stranded on major and secondary roads and forced to shelter in service areas, motels, public buildings and private homes from the Genesee Valley in the west to the Hudson, St. Lawrence and Champlain Valleys. Snow emergency and travel ban declared by authorities in some 50 counties on 4-5th. Schools and industries were closed or greatly curtailed in all but extreme western and southeastern counties and commercial activities in communities large and small were reduced to a fraction of normal. The mails and newspapers were suspended over a wide area. Four men perished from hypothermia in stranded autos in Wayne, Ontario and Oneida Counties. Winds in excess of 40 mph. damaged trees, power lines, signs and windows extensively on Long Island and in | | | | | | | |
| New York (continued) | | | | | | | | | |
| | | | | | | | | | Westchester, Rockland and Putnam Counties. Numerous buildings and autos damaged by toppled trees. One man badly injured when tree fell on auto in Nassau County; three other persons injured in similar incident in Yonkers area. Precipitation, mostly as rain, totaled 1.0 to 1.5 inches in coastal sections but addition of sleet and light snow produced very slick, hazardous highways. |
| Great Lakes Counties and Northern Half | 7-8 | | | | | | | 4 | Snow, wind |
| | | Snowfall of 2 to 4 inches and winds averaging in excess of 20 mph. caused very hazardous travel conditions from Lake Erie across lake plain to Mohawk Valley and throughout northern half of the State. Blowing snow produced near zero visibility and slick ice coating on highways resulted in a rash of serious auto accidents—one chain reaction collision near Lockport involved 26 cars. Poor travel conditions forced schools to close on 8th in Genesee and Livingston Counties. Winds toppled 25 X 80-foot cinder block wall under construction at Tonawanda and downed or toppled limbs and trees in greater Buffalo area. Roads closed by blowing snow from Syracuse and Oswego areas northward through St. Lawrence Valley and eastward to Herkimer and Little Falls in Mohawk Valley. Snowfall 2 1/2 inches in Tug Hill plateau with 10 to 14 inches in Black and St. Lawrence River Valleys and 6 to 10 inches occurring eastward to Warren, Essex and Clinton Counties. | | | | | | | |
| Erie, Niagara, Genesee and Monroe Counties | 15-16 | | | | | | | 4 | Wind |
| | | Winds gusting to 60 mph. caused local property damage from greater Buffalo area to Rochester. Roofing on College building under construction at Batavia was heavily damaged. Church rectory sustained \$2,000 damage at Leviston, Niagara County and car was demolished by toppled tree in Rochester. Uprooted trees caused scattered power failures in Buffalo and winds pushed ice into piles over 25 feet high in Buffalo harbor. Temperatures cooled sharply on 15th with change from 63 at 9 a.m. to 39 °F by 9 p.m. reported at Buffalo. | | | | | | | |
| Eastern | 19-20 | | | | | | | | Snow |
| | | Late season storm of heavy, wet snow affected mostly Catskills and eastcentral highlands northward to Lake Champlain region. Snow totals of 3 to 5 inches in lower Hudson Valley increased to 8 to 13 inches from Catskills west to Chenango and Oneida Counties and from Kingston-New Paltz area of mid Hudson Valley northward to Clinton County. Amounts decreased to 3 to 5 inches in the Syracuse-Ithaca-Genesee-Rochester areas. Surface travel was impeded and very hazardous, especially in the Hudson Valley, with the usual rash of auto accidents. Trees, limbs and utility wires were broken by the heavy snow over wide areas, especially around Kingston. | | | | | | | |
| North Carolina | | | | | | | | | |
| Statewide | 1-4 | | | | 0 | 0 | 5 | 4 | Rain, wind, snow |
| | | Heavy precipitation first few days of month, mostly snow in Mountains and rain elsewhere, but with some areas getting a mixture of snow, sleet and rain. Rather windy, with some blowing snow reported in Mountains. Wind overturned several mobile homes in scattered areas. Trees fell on houses, autos. Some power failures. Plate glass and signs blown down. At beach, winds caused moderately high seas and tides, especially high in Manteo, where stores and other buildings were flooded. Flash flooding of small streams some areas, and some flooding of river lowgrounds. Some damage to tobacco plant beds. | | | | | | | |
| Sampson County | 3 | 2:35 pm | | | | | | 0 | 0 Funnel cloud |
| | | Pilot reported 20 miles east of Fayetteville. No verification by ground observation, and no reports of tornadic damage at surface | | | | | | | |
| Mountains | 8 | | | | 1 | 0 | 4 | 0 | Snow, wind. |
| | | Up to 16 inch accumulations of snow northern mountains. Winds estimated 50 miles per hour or more caused near blizzard conditions. Woman killed in three-auto accident due to poor visibility in snow. Some wind damage to trees, roofs, and outbuildings. | | | | | | | |
| Mountains | 10 | | | | | | | 4 | 0 Snow, wind. |
| | | Wind and snow again. Plate glass windows blown out, signs down. Trees fell from weight of snow and force of wind, damaging autos and homes. Schools dismissed. | | | | | | | |
| Cumberland, Duplin and Sampson Counties | 15 | 3:30-5pm | 75 | 50 | 0 | 0 | 5 | 0 | Tornado |
| | | Funnel cloud reported at Pope Air Force Base about 3:30 p.m. Several military buildings had roof damage. Storm moved east-northeastward on a skipping path, striking near Weener a little after 4 p.m. and near Faison around 4:30 p.m. Several reports of funnel seen or tornado-like noises heard. Farm buildings demolished, mobile homes overturned, trees down several areas. | | | | | | | |
| Columbus, Hertford, Lenoir, and Mecklenburg Counties | 15 | Aftn and evening | | | | | | 5 | 0 Wind, lightning |
| | | Several cases of wind damage not clearly connected with tornado above. Tobacco barns and mobile homes damaged. Winds to 47 miles per hour, gusts to 62, reported at Charlotte. Lightning burned home at Lagrange. | | | | | | | |
| Hertford, Montgomery Counties | 19 | Late aftn | | | | | | 4 | 0 Wind |

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1971

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|--|--------------------------|--------------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| North Carolina (continued) | | | | | | | | | |
| Halifax County | 23 | Evening | | | | | 5 | 0 | Wind |
| Two widely separated cases of heavy damage to homes by wind. Part of roof blown off in Biscoe, large falling tree destroyed upper story in Aulander. | | | | | | | | | |
| State, except coast & extreme southeast | 25-26 | -- | | | 1 | 15 | 5 | 4 | Snow |
| Half block area in town of Weldon burned at three different periods during night of 23rd. High winds hampered fire control. | | | | | | | | | |
| Unusual late-season snowfall, the heaviest of the season in most areas, with accumulations from an inch in the east to a foot at high elevations in the Mountains. Two weather-related auto accidents killed one and injured several. Weight of wet snow caused sheds, outbuildings and porch roofs to collapse in several areas. Slight damage to peach crop. | | | | | | | | | |
| Northern Coast | 27-28 | -- | | | | | 5 | 0 | Winds |
| Strong winds caused high seas and tides cutting breaks in the barrier dunes and eroding several feet of shoreline Kitty Hawk-Nags Head area. Beach highway flooded. Some wind damage to roofs. Some beach buildings undermined by erosion. | | | | | | | | | |
| North Dakota Central, north central and northeast | | | | | | | | | |
| | 13-15 | | | | | | | | Heavy snow |
| The first major snowstorm of the winter produced one inch or more of snow in a 150 mile wide band through parts of central, north central and northeast North Dakota. The storm began as rain in most sections on Saturday, March 13, with the rain soon turning to snow. By Monday morning, March 15, 10 inches or more of snow had fallen in a narrow band from Max to Hansboro. Some of the heavier snow depths included 14 inches at Belcourt, 16 inches at Drake, 18 inches at Hansboro, and 19 inches at Bisbee and Rolla. The heavy snow isolated farms, stranded many people in towns and in farm homes when automobiles were abandoned, and forced school closings on Monday. The storm came on the 30th anniversary of a March 15, 1941 storm which took 39 lives in North Dakota. | | | | | | | | | |
| Ohio Most of State | 3-4 | Morning-morning | | | 0 | 8 | 6 | | Snow and wind |
| A late season snowstorm struck most areas east of a Dayton to Cleveland line. In these areas snowfall totaled 3 to 11 inches. The heavier amounts, 6 to 11 inches, fell east of a Marietta to Akron line. Winds of 20 to 30 mph made drifting common. Many schools and businesses were closed on the 4th. More than 40 traffic accidents were attributed to the snow in just Mahoning County. | | | | | | | | | |
| Northern Third of State | 7-8 | Afternoon-morning | | | 6 | ? | ? | | Snow and wind |
| Snow and wind gusts to 50 mph were blamed for six deaths in the greater Cleveland area. Four of the people had just finished clearing away snow and two were killed in traffic accidents resulting from slick highways. Snowfall amounts of 2 to 6 inches were reported in northern areas while up to 9 inches fell in the snowbelt counties. | | | | | | | | | |
| Western Half of State | 15 | 2:00a-9:00a | | | 0 | 2 | 6 | | Wind and rain |
| High winds with gusts to 65 mph caused \$25,000. damage to buildings at Wright-Patterson Air Force Base. Overturned mobile homes; damaged roofs, signs, utility lines and downed trees were most numerous in southwest and west central portions of the State. In Brookville, wind tore the roof from an automobile showroom causing \$40,000 in damages. | | | | | | | | | |
| Painesville, Lake County | 16 | 7:30p | | | 0 | 9 | ? | | Freezing rain |
| Nine persons were injured in a traffic accident caused by a glaze of ice on a bridge. | | | | | | | | | |
| Oklahoma Southeast Third of State | | | | | | | | | |
| | 2-3 | AM,2nd-AM,3rd | | | 0 | 0 | 0 | 0 | Snow, sleet, and freezing rain |
| Up to 7 inches of snow fell. Heaviest snowfall was from Pontotoc County northeastward to Adair County. Sleet and freezing rain preceding the snowfall in several south-central counties made driving hazardous. Visibility was reduced to near zero over much of the area. | | | | | | | | | |
| Antlers area, Pushmataha County | 9 | 4:30p.-5:00p. | | | 0 | 0 | 3 | 0 | Hail |
| Hailstones up to 1 1/2 inches in diameter covered the ground but caused only scattered minor damage. | | | | | | | | | |
| Marshall and Bryan Counties | 12 | 4:45p.-5:50p. | 40 | 200-300 | 0 | 4 | 5 | 0 | Tornado, hail, 2 funnels aloft |
| Oklahoma (continued) | | | | | | | | | |
| | | | | | | | | | |
| The tornado was believed to have first touched down 10 miles southwest of Madill in Marshall County at 4:45 p.m., where 6 homes and several outbuildings were destroyed. One hundred head of cattle were killed in the area. One person was injured when cut by flying glass. The path of the storm southwest of Madill was approximately 4 miles long and 200 yards wide. The next known damage was 4 miles north of Willis in Marshall County, where 3 houses were destroyed and several damaged. A grocery store was damaged and several head of race horses killed in the area. Next known damage was at Cartwright in Bryan County, where a house was damaged and electrical service knocked out. Next damage was at Colbert in Bryan County, where a semi-trailer truck was overturned and several house trailers damaged. Next, and the most extensive damage, was at Achille in Bryan County at 5:43 p.m. Light to heavy damage occurred within a 10-block area of Achille. Several businesses were damaged or destroyed, the roof of the elementary school blown off, the high school's vocational agriculture building totally destroyed, the bus barn left in splinters with the buses left standing, the new junior high school bent out of shape, 6 trailer homes and 25 other homes damaged or destroyed. Three persons were injured at Achille, the most serious injury being a broken leg for a lady who was struck by debris while rushing to the storm shelter. At Achille, the storm path was 1 mile by 300 yards. The last damage was at Yuba in Bryan County where barns were damaged and a steeple snapped from a church. The storm damage was estimated at \$400,000. There were two funnels aloft sighted in Marshall County. Hail 1 inch in diameter fell near Kingston in Marshall County and large hail fell at McFried in Marshall County. No hail damage was reported. The storm moved in a east-southeast direction. | | | | | | | | | |
| 3E Durant, Bryan County | 12 | About 5:30p. | | | 0 | 0 | 3 | 0 | Wind |
| Strong straight winds uprooted trees and tore down fences. | | | | | | | | | |
| 3E Atoka, Atoka County | 12 | 7:10p. | | | 0 | 0 | 4 | 0 | Tornado |
| A tornado touched down briefly removing the roof from a saw-mill and destroying a partially completed new home. | | | | | | | | | |
| Entire State | 14 | Most of day | | | 0 | 0 | 0 | ? | High winds and dust storm |
| Strong, dry southwesterly winds gusting to more than 50 MPH caused a severe dust storm over the State. Visibility was reduced by the dust to 2 miles in most areas and to 1/4 mile or less in a few areas. Extensive damage to agricultural land resulted from the removal of the fertile topsoil. This was one of the worst dust storms in several years. | | | | | | | | | |
| Entire State | 18 | Most of day | | | 0 | 0 | ? | ? | High winds and dust storm |
| Strong, dry winds gusting up to 75 MPH caused the second severe dust storm within a week. Visibility was reduced to 1 or 2 miles over most of the State and to near zero in parts of the Panhandle. Property damage, although mostly minor, was reported in all areas of the State. Fires raged out of control in eastern Oklahoma burning more than 50,000 acres of timber land. Damage to agricultural land was again extensive. | | | | | | | | | |
| Oregon Western Oregon and Umatilla County | | | | | | | | | |
| | 10 | 7:00a-7:00p | | | 0 | 0 | 0 | 0 | Wind |
| A spring storm moving in across Oregon caused high winds along the coast and sections of the Columbia River. Southerly winds varying from SSE to SSW provided the following extreme values at National Weather Service offices and other unofficial stations: | | | | | | | | | |
| | | | | | | | | | |
| | Time | Location | | | Fastest | | Maximum | | |
| | 8:00a-noon | Cape Disappointment USCC | | | Mile - mph | | Gust - mph | | |
| | 8:39a | Astoria WSO | | | - | | 50-63 | | |
| | 11:40a | " " | | | - | | 53 | | |
| | 11:48a | Newport WSO | | | 57 | | - | | |
| | 11:56a | Astoria WSO | | | 29 | | 53 | | |
| | 11:59a | Sexton Summit WSO | | | 46 | | - | | |
| | Noon | Pacific City WSO | | | - | | 69 | | |
| | 1:00p | Brookings WSO | | | 35 | | 46 | | |
| | 1:47p | Portland Morrison Bridge | | | - | | 54 | | |
| | 3:02p | Portland WSO | | | - | | 45 | | |
| | 6:25p | Pendleton WSO | | | 35 | | 52 | | |
| Klamath and Lake Counties | 10-9p, 10th-11 noon 11th | 130 *50 | | | 0 | 0 | ? | 0 | Snow |
| A late-winter snow storm across the southern portions of these counties deposited 7-9 inches of snow across the Klamath Basin with 12-13 inches reported across the Sprague River - Round Grove area. Most stations either equalled or ranked second to the record March 24-hour totals which occurred across the area on March 10-12, 1967. The 12-15 hour storm caused hazardous driving conditions and closing of some schools. | | | | | | | | | |
| Western Oregon and Umatilla and Union Counties | 11 | Noon-Midnight | | | 0 | 0 | 5 | 0 | Wind |
| A second intense Pacific storm front in as many days moved eastward across Oregon causing scattered damage. The following high winds were observed by the National Weather Service offices and other unofficial stations: | | | | | | | | | |

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1971

| 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 | | |
| Oregon (continued) | | | | | | | | | | |
| | Time | Location | | | | | Fastest Mile - mph | Maximum Gust - mph | | |
| | 12:50p | Sexton Summit NSO | | | | | 59 | - | | |
| | 1:45p | Astoria NSO | | | | | 35 | 58 | | |
| | 2p-4p | Cape Disappointment USCG | | | | | - | 50-69 | | |
| | 2:15p | Pacific City NSO | | | | | - | 86 | | |
| | 2:28p | Newport NSO | | | | | 61 | - | | |
| | - | Winchester Bay USCG | | | | | - | 80 | | |
| | - | Cape Blanco | | | | | - | 76 | | |
| | 4:00p | Brookings | | | | | 40 | 69 | | |
| | - | Eugene NSO | | | | | 44 | 52 | | |
| | 5:17p | Portland WSFO | | | | | - | 42 | | |
| | 7:00p | Coos Bay USCG | | | | | - | 58 | | |
| | 8:40p | Pendleton NSO | | | | | 36 | 58 | | |
| | A 35-foot fishing boat broke up and sank in the Columbia River east of Sand Island, Clatsop County with the three fishermen rescued about 1:40pm. Bams were demolished at Seaside and Hermiston and a home in La Grande lost its patio cover. Scattered wind damage occurred along the entire coast with several downed trees and numerous fallen lines causing many electric and phone outages. Many signs and windows were also damaged. | | | | | | | | | |
| Most of State | 25-26 | 11p, 25th-1p, 26th | | | 0 | 0 | 5 | 5 | Wind | |
| | An intense Pacific storm center which moved into northwestern Washington brought damaging winds across most of Oregon as the associated cold front moved eastward across the State during the early half of the 26th. Widely scattered damage was principally limited to along the coast the Willamette Valley and counties bordering the Columbia River. Complete roofs or portions of roofs were blown off homes in Portland, Woodburn and Gresham while several mobile homes and campers were blown over. Numerous windows were broken and signs damaged. Falling trees damaged numerous homes, blocked county roads and downed utility lines. Over 6,000 electrical outages occurred in the Willamette Valley and along the coast with some outages lasting up to 5 hours. A ship and a barge broke loose from their moorings at Portland docks and a 60-foot fishing boat was in distress off Heceta Head. A large semi truck and trailer parked in Newport was blown over. Considerable timber blew down in the southern part of Lane County and the northern half of Douglas County where a logging balloon was damaged extensively when ripped from its moorings. The high southerly winds recorded at National Weather Services Offices and other unofficial locations are as follows: | | | | | | | | | |
| | | Location | | | | | Fastest Mile - mph | Time | Maximum Gust - mph | Time |
| | 25th | Pacific City NSO | | | | | - | - | 50-85 | 11:15p |
| | 26th | Astoria NSO | | | | | 39 | 5:58a | 70 | 7:10a |
| | | Mt. Hebo USAF | | | | | - | - | 84 | - |
| | | Newport NSO | | | | | 63 | 4:00a | - | - |
| | | Coos Bay USCG | | | | | 58 | - | - | - |
| | | Cape Blanco USCG | | | | | - | - | - | - |
| | | Brookings NSO | | | | | 44 | 6:00a | 58 | 6:00a |
| | | Portland WSFO | | | | | 48 | 4:12a | 71 | 4:17a |
| | | Morrison St. Bridge, Portland | | | | | - | - | 78 | 4:46a |
| | | Salem NSO | | | | | 40 | 6:55a | 58 | 3:15a |
| | | Eugene NSO | | | | | 35 | 1:37a | 49 | 1:56a |
| | | Sexton Summit NSO | | | | | - | - | 52 | 12:59a |
| | | Redmond FAA-FSS | | | | | 29 | 1:56a | 40 | 1:56a |
| | | Burns NSO | | | | | 18 | - | 48 | 12:26p |
| | | Umatilla Bridge | | | | | - | - | 78 | 11:10a |
| | | Pendleton NSO | | | | | 33 | 11:38a | 59 | 12:42p |
| | | Baker FAA-FSS | | | | | 40 | 11:59a | 50 | 11:30a |
| Pacific | | None Reported | | | | | | | | |
| Pennsylvania | | | | | | | | | | |
| Franklin County | 4 | | | | 3 | 4 | | | Wind, snowstorm | |
| | High winds, icy patches and drifting snow resulted in numerous accidents on area highways. Several trucks crashed or jackknifed on the turnpike and Interstate 81 due to the high gusts. A car traveling east on Route 16 a mile and half west of Mercersburg, hit a patch of ice, left the road and struck a tree. The driver and 2 passengers were treated at the Waynesboro hospital. | | | | | | | | | |
| Mifflin County | 4 | | | | | 5 | | | Wind, snowstorm | |
| | High winds lifted a section of roof from the Holiday Inn in Lewistown and set it down in the courtyard. Forty units of the motor inn were without a roof and there was some water damage. All area schools were closed on the 4th and 5th due to road conditions. Several minor accidents were reported throughout the central Pennsylvania area. | | | | | | | | | |
| Pocono Mountains | 4 | | | | | 4 | | | Wind, snowstorm | |
| | An unrelenting snowstorm buffeted the Pocono Mountain area and caused cancellation of all area schools and activities while curtailing business functions for many firms. Drifts covered the roads as quickly as they were plowed. Interstate Route 80 from the Milton Interchange west across the state was closed. | | | | | | | | | |
| Cumberland County | 4 | | | | | 4 | | | Wind, snowstorm | |
| | Schools were closed due to hazardous road conditions and the wind broke glass in the skylight above a gymnasium. At 5:30 PM a five-foot chimney toppled onto a car. | | | | | | | | | |
| Berks County | 4 | | | | 1 | 5 | | | Wind, snowstorm | |

| 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 | |
| Pennsylvania (continued) | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | Winds up to 50 mph blew roads shut, toppled utility poles and trees, and halted trains. Most area schools were closed for the second consecutive day. Thousands of customers were without electric service in the Quakertown - Hilltown areas for up to 12 hours. An 18-year-old boy was injured in Royersford when his snowmobile rammed into a stalled car. The tower at the radio transmitting station at Morysville about two miles south of Boyertown was toppled by winds as was an 85-foot high smokestack in West Reading. |
| Lebanon County | 4 | | | | 1 | 4 | | | Wind, snowstorm |
| | A 15-year-old Lebanon man was killed in the afternoon when his car collided with a tractor-trailer truck about a quarter mile south of the Lebanon Plaza on Route 72. High drifts made many roads impassable and caused schools to be closed on the 4th and 5th. | | | | | | | | |
| Chester County | 4 | | | | | 4 | | | Wind, snowstorm |
| | Gusts of wind shifted snow from one side of the road to the other in Chester County. Several accidents occurred and in one instance a tree was uprooted and crushed a parked car. Telephone service was interrupted throughout the area. | | | | | | | | |
| Delaware County | 4 | | | | | 4 | | | Wind, snowstorm |
| | Delaware County residents were without electricity for as long as four hours. There were numerous reports of falling trees which caused property damage. | | | | | | | | |
| Blair County | 4 | | | | | 4 | | | Wind, snowstorm |
| | A mobile home was flipped over and damaged extensively by wind along the road leading from Route 104 toward the Martinsburg Barrens. An estimated \$15,000 damage occurred at a Roaring Spring church when a leaded stained glass window was partially shattered by high wind. At Clappertown near Williamsburg the aluminum roofing of a barn was torn off and caused an estimated damage of \$10,000. Trees were uprooted by the winds due to the rain-softened grounds. | | | | | | | | |
| Lawrence County | 6 | Night | | | | 4 | | | Wind |
| | Three oak trees were felled by high winds in New Castle. | | | | | | | | |
| Fayette County | 19 | Afternoon | | | | 4 | | | Wind |
| | Considerable property damage was reported in the Republic-Merrittstown-Penn Craft area. Trees were uprooted throughout the area, and a 75-foot ham radio tower was completely destroyed. | | | | | | | | |
| Puerto Rico | | | | | | | | | None Reported |
| Rhode Island | 3-5 | AM - AM | | | 0 | 0 | 5 | 0 | Snow, glaze, wind |
| Statewide | | | | | | | | | |
| | Storm began as snow, turned to freezing rain and rain and then back to snow before ending. Storm precipitation generally ranged from 1 1/2 to 2 inches and snowfall from trace to 5 inches in a few places. Icy roads made travelling hazardous. Glaze and high winds combined to fell trees and down power lines. Many roofs and several cars were damaged. Although the gale continued for three days, sustained strong winds were most intense on the 4th when gusts reached 70 mph and waves pounded the coast line, breaking over seawalls. A 272 foot freighter smashed into and slightly damaged the main pier of the Newport Bridge but the vessel suffered major damage and had to be beached. | | | | | | | | |
| South Carolina | 3 | 11:40 a. | 6 | 30 | 0 | 0 | 4 | 0 | Tornado |
| Orangeburg County | | | | | | | | | |
| | A small tornado touched down several times as it traveled toward the northeast through the northwestern edge of the city of Orangeburg. A trailer was overturned, small outbuildings were damaged or blown over, a few carpools were damaged or destroyed and several trees were downed. | | | | | | | | |
| Oconee County | 11 | 7:30 a. | | | 0 | 5 | 4 | 0 | Freezing drizzle and fog |
| | Drizzle, which was not freezing on the roads, froze to the surface of the Cane Creek Bridge over Lake Keowee. The icy bridge and the poor visibility due to fog caused an eleven car pileup on the bridge. Several of the cars were damaged extensively and five women were treated for minor injuries at Oconee hospital near Seneca. | | | | | | | | |
| Williamsburg County | 4-12 | | | | 0 | 0 | 5 | 4 | Heavy rains |
| | Heavy rains from February 27 to March 3 caused flooding in many parts of the state. The bulk of the damage, however, was along the Black River in Williamsburg County. Some damage was done also along the Savannah River between Augusta and Savannah. Pasture land was ruined, tobacco beds destroyed, many homes were flooded and some industrial machinery was damaged. Some homes along the Black River had to be evacuated. Flooding occurred to some extent on all the rivers in the eastern half of the state. | | | | | | | | |
| Statewide | 15 | 10:00 a. -5:00 p. | | | 0 | 2 | 4 | 0 | Thunderstorms, high winds. |

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1971

| 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 | | |
| South Carolina (continued) | | | | | | | | | | |
| | | | | | | | | | | <p>A cold front with a line of thunderstorms moved across the state and wind and water damage were done in several areas. Winds smashed large windows and damaged camper trailers in Honea Path. Two workers were injured near Woodruff when the wind collapsed a wall they were building. A falling tree limb broke window glass and an awning in West Pelzer. Glass was broken in a furniture store in Kershaw and some furniture suffered water damage. A trailer was rolled over and demolished near Aiken. Between Blackville and Barnwell a garage roof was blown off and a car damaged. Winds did a variety of damage around Sumter where a church roof was damaged and water damaged the interior, a brick wall fell on a parked automobile and demolished it and smokestacks were bent over and damaged on an industrial plant. Other minor damage was noted in Orangeburg and Chesterfield.</p> |
| Northern half of state | 25 | 11:00 a. -10:00 p. | | | 7 | 12 | 6 | 3 | | Snowstorm |
| | | | | | | | | | | <p>An unusually heavy snow for the time of year caused blockage of nearly all highways and roads in the northwest and north central sections of the state for a period of from several hours to two days. Hundreds of vehicles were stranded and they contained thousands of people. Greatest depth in the north central section was near 8 inches and in the northwest near 11 inches. Dozens of minor accidents occurred and a few serious ones. One car skidded into the path of a truck and the three occupants of the car were killed. Another car was hit by a train and all four occupants of the car were killed. The visibility was so poor that they could not see the train nor could the trainmen see the car. At least twelve persons were treated at a hospital for injuries and probably many more minor injuries occurred. Many vehicles received minor damage. Hundreds of awnings and awning-type carports were demolished along with many other flat roofed structures.</p> |
| South Dakota | 13 | 9:38 p | | | | | | | | Hail |
| Parker 7E | | | | | | | | | | |
| Coleman | 13 | Evening | | | | | 5 | | | Lightning |
| | | | | | | | | | | <p>Lightning destroyed a transformer plant in Coleman. Damage estimated at \$250,000.</p> |
| Southern half of state | 17-19 | | | | | | | | | Locally heavy snow and near blizzard conditions |
| | | | | | | | | | | <p>Snow started afternoon of 17th and spread across the southern half of state by the 19th. Strong winds accompanying the snow caused locally near blizzard conditions. Many locations reported 3-6 inches and spotty areas reported up to about 12 inches but these larger amounts melted rapidly.</p> |
| Southeast | 18-19 | 18 - p 19 - all day | | | | | 5 | | | Ice storm |
| | | | | | | | | | | <p>Rain changing to freezing rain during afternoon of 18th continued into 19th causing heavy icing conditions. Ten South Dakota rural electric cooperatives in southeastern South Dakota were affected by this storm that left 10,000 of its members without service for periods ranging from minutes to 155 hours. There were over 500 poles down and more than 1500 wire breaks with an estimated \$150,000 cost to the ten REC's. There were also many telephone lines and trees down by the icing. Overall damage from the ice storm was estimated up to \$800,000. The rain later changed to snow developing into conditions mentioned above.</p> |
| Tennessee | 3 | | | | 0 | 0 | 4 | 0 | | Wind, snow |
| Most of State | | | | | | | | | | <p>Strong northwesterly winds, snow frequently mixed with rain in western areas, mostly snow higher elevations in eastern Tennessee. Totals generally 1 to 2 inches, but locally to 4 inches in mountains. Snow caused very treacherous highway conditions with several auto accidents resulting. Wind damage to power and telephone lines. Memphis reported gusts to 34 mph.</p> |
| Lawrenceburg, Lawrence County | 6 | 2:39p.m. | 40 | 30 to 200 | 0 | 0 | 6 | 0 | | Tornado |
| | | | | | | | | | | <p>Tornado confirmed by public. Storm skipped across three counties from west to east at about 40 mph. At least two houses and four barns were damaged at Center Point, 10 miles south of Lawrenceburg. Same tornado damaged rural property and uprooted trees near Pulaski in Giles County, and western Lincoln County. Total damage estimated at \$75,000.</p> |
| Moore County | 6 | 4:00p.m. | | | 0 | 0 | 4 | 0 | | Wind |
| | | | | | | | | | | <p>High winds over many areas of County damaged a number of roofs, signs and utility lines. Trees dropped across lines to cause numerous power and telephone service outages.</p> |
| Memphis, Shelby County | 13 | 2:19a.m. | | | 0 | 0 | 5 | 0 | | Hail |
| | | | | | | | | | | <p>Hailstones up to 1 3/4 inch in diameter struck parts of the City. Scattered damages to roofs and automobiles.</p> |
| Statewide | 15 | | | | 0 | 5 | 6 | 0 | | Wind, lightning, rain |
| | | | | | | | | | | <p>Severe thunderstorms brought injury to scattered sections, especially in Williamson, Frousdale, Maury and Blount Counties. Wind gusts to 55 mph uprooted a great number of large trees,</p> |
| Tennessee (continued) | | | | | | | | | | |
| | | | | | | | | | | <p>damaging roofs, utility lines, farm buildings and mobile homes. High winds ripped off a large portion of the gymnasium roof at Columbia State Community College in Columbia, Tennessee. Two persons escaped serious injury in Williamson County when their mobile home was overturned by high wind forces. Lightning struck in different places causing mostly minor damage and scattered power failures.</p> |
| LaFollette (near), Campbell County | 18 | p.m. | | | 0 | 0 | 4 | 0 | | Wind |
| | | | | | | | | | | <p>High winds inflicted approximately \$25,000 damage to small boats and docking facilities at Norris Lake Marina.</p> |
| Crossville, Cumberland County | 18 | | | | 0 | 0 | 3 | 0 | | Wind |
| | | | | | | | | | | <p>Strong thunderstorm winds with gusts measured up to 53 mph at Crossville Airport caused scattered structural and tree damage in the area.</p> |
| Texas | 4 | | | | 0 | 0 | 5 | 0 | | Hailstorm |
| Kyle, Hays County | | | | | | | | | | <p>A severe hailstorm struck Kyle and caused heavy damage to roofs of homes and to automobiles. Most roofs required complete replacement. Numerous window panes were broken by the hail. Total damage was estimated at \$200,000.</p> |
| Longview, Gregg County | 9 | 5:30 p-5:45 p | 1 | *3/4 | 0 | 0 | 5 | 0 | | Hailstorm |
| | | | | | | | | | | <p>Hail up to one and one-half inches in diameter caused an estimated \$60,000 damage to roofs of homes in the residential area in the northeast part of Longview. The average diameter of hailstones was about one-half inch.</p> |
| Near Beach City, Chambers County | 9 | 10:15 p | 1/2 | 20 | 0 | 1 | 4 | 0 | | Tornado |
| | | | | | | | | | | <p>A small tornado demolished a mobile home belonging to Mrs. J. R. Holland on Tri-City Beach Road near Beach City and damaged boat sheds at Harbour's Fishing Camp also on Tri-City Beach Road. The tornado picked up Mrs. Holland's mobile home, turned it over then literally scattered it over the neighborhood. Mrs. Holland suffered bruises and a deep cut on one leg.</p> |
| | | | | | | | | | | <p>"I landed with the couch under my back and the heating unit on top of my head", Mrs. Holland said. She heard a roar "like all my neighbors heard", she said and then the next thing she remembers is "going over".</p> |
| | | | | | | | | | | <p>Total property damage was estimated at \$6,000.</p> |
| Channahon, Harris County | 9 | 10:20 p-10:30 p | 1 | *3/4 | 0 | 4 | 4 | 0 | | Tornado |
| | | | | | | | | | | <p>A tornado skipped through the River Road, Meadowbrook and Lake Sandy areas of Channahon injuring four persons and causing an estimated \$20,000 damage to property. The roof of the home of Mr. and Mrs. Allen L. Richey was severely damaged.</p> |
| | | | | | | | | | | <p>"We heard it coming", Mrs. Richey said, "we grabbed up the children and ran into the bathroom. It was like I've heard it described -- like a freight train coming over the house. When it hit, the whole house shook. It was almost like an explosion."</p> |
| | | | | | | | | | | <p>Next door to the Richey's home, at 17519 Meadowbrook, 22 boat storage sheds were blown away. A nearby house trailer at 211 East Lake Sandy, owned by Sam Collins, was blown over onto an automobile. Mr. Collins and four other persons were inside the trailer. Mrs. Elsie Palmer, 21, and her two children, Archie, 6 months, and Resa, 21 months, who were in the trailer, suffered minor injuries. Mrs. M. A. Hirsch of River Road also received minor injuries. Several waterfront businesses along the San Jacinto River were also damaged; among them was the Riverside Inn Marina at 17433 River Road which sustained extensive roof damage. A piece of sheet steel was embedded in a tree outside the home of Mr. and Mrs. Anguse Jones. The tornado moved from northwest to southeast.</p> |
| 8 N Lampasas, Lampasas County | 12 | | | | 0 | 0 | ? | ? | | Hailstorm |
| | | | | | | | | | | <p>Hail fell in the rural area about eight miles north of Lampasas. Hailstones 1 3/4 inches in diameter were reported with a few stores 2-3 inches in diameter. There was no report of any damage.</p> |
| Near Marshall, Harrison County | 12 | 2:18 a | | | | | | | | Funnel aloft |
| 3 S Valley Mills, Bosque County | 12 | 3:30 p | | | 0 | 0 | ? | ? | | Hailstorm |
| | | | | | | | | | | <p>Hail three-quarters inch in diameter fell on ranch land in the Valley Mills area of Bosque County. No damage was reported. A few hailstones between three and four inches in diameter were reported.</p> |
| McLennan County | 12 | 4:00 p-5:00 p | 25 | *12 | 0 | 0 | ? | ? | | Hailstorm, 2 funnels aloft |
| | | | | | | | | | | <p>Hail fell over a large area in western and central McLennan County; the extent of property or crop damage could not be ascertained. Hailstones averaged three-quarters inch in diameter, but largest stones were 2 3/4 inches in diameter. Two funnels were observed aloft over the south part of Waco. One funnel, described as being about 200 feet long and looking like a long rope, was photographed by an amateur photographer.</p> |

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1971

| PLACE | DATE | TIME - LOCAL STANDARD | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|--|------|-----------------------|--|-----------------------|----------------|---------|------------------|-------|--------------------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| Texas (continued) | | | | | | | | | |
| Near Callisburg, Cooke County | 12 | 4:40 p | | | | | | | Funnel aloft |
| Jonestown, Travis County | 12 | 4:59 p | | | | | | | Funnel aloft |
| 1/2 NW Van Alstyne, Grayson County | 12 | Evening | **100 | 20 | 0 | 0 | 0 | 0 | Tornado, several funnels aloft |
| | | | <p>Homer Bowden photographed a tornado while he stood in his yard 1/2 miles northwest of Van Alstyne. Bowden stated he was watching the cloud as it approached his home from a westerly direction and said as he watched through a window, a tiny wisp of cloud started to hang down from the black cloud mass. In a matter of seconds it developed into a funnel and had touched earth. Bowden picked up his camera and went into the yard and took a picture of the funnel just before it went back into the clouds again. There was no known damage.</p> | | | | | | |
| 5 ESE Tioga, Grayson County | 12 | 5:15 p-6:00 p | 5/8 | 3/4 | 0 | 0 | 4 | 0 | Tornado, funnel aloft, hail |
| | | | <p>A tornado completely destroyed the Mount Carmel Baptist Church about 4.6 miles east and .8 mile south of Tioga, heavily damaged three rural homes and three barns, and killed several cattle. The storm moved from south to north but the tornado funnel jumped back and forth from east to west. Cattle were hurled into the air twice the height of telephone poles. A second funnel was observed near the tornado but did not touch ground. Hailstones averaging one inch in diameter accompanied the storm. Largest stones were 1 3/4 inches in diameter. Property damage was estimated at \$30,000. The air was very still except in the vicinity of the tornado.</p> <p>One eyewitness was on the porch of his home, which was left standing less than 200 yards from the demolished church.</p> <p>"I saw the church floating across the road", he said, "and it picked up that cow and dropped it from twice as high as a telephone pole".</p> <p>Another witness drove past the church, then turned around in time to see "a white cloud with a tail just whipping back and forth like a snake". One family in the tornado's path had car trouble as they attempted to escape. They clambered into another car and as they drove away, saw the tornado flip over the abandoned automobile.</p> <p>The tornado's force moved the church's concrete block steps - a solid concrete block about 7x15 feet.</p> | | | | | | |
| Near Howe, Grayson County | 12 | 5:30 p-6:30 p | 5 | 3/4 | 0 | 0 | 5 | 0 | 3 Tornadoes |
| | | | <p>At least three tornadoes touched earth in the vicinity of Howe between 5:30 p.m. and 6:30 p.m., caused an estimated \$100,000 damage to property, but caused no deaths or injuries. One tornado touched down about one mile west of Howe and moved northerly or northwesterly, cutting a path five miles long and one-quarter mile wide through mostly pasture land. At least two other tornadoes touched earth in the area just northeast of Howe and moved in a northwesterly direction to near Sherman. The J. L. Owens property just north of Highway 902 was almost completely destroyed. The Owens family narrowly escaped with their lives. One of the Owens children scolded the alarm to the other family members, who retreated to the basement. Furniture, bedding, and other household items were sucked through a picture window after the glass had been broken by the tornado. A mattress in one bedroom disappeared through the opening and was found later about one mile away. Fanbling was torn from the walls although actual framework of the home remained intact. A refrigerated air conditioning unit was found inside the home, with the framework for the unit intact in the window where it had been installed. A steel trailer was listed about 200 yards into a pasture. Path of the tornado could be traced for several miles with garages, barns and other buildings either heavily damaged or completely destroyed. An unoccupied home north of the J. L. Owens property was completely destroyed. James L. Davis, who lives in the area where the tornado first touched ground (northeast of Howe) said the funnel sucked water from a nearby stock tank, depositing it during its northwesterly course. An amateur photographer who wished to remain anonymous took excellent photographs of one of the funnels from U. S. Highway 75.</p> <p>Other homes in the general area north of Howe damaged by the tornadoes belonged to L. W. Colman, Roy Thompson, Jerry Ford and a Mr. Smith.</p> <p>Mr. and Mrs. Colman saw a tornado approaching, ran from their house, and lay flat on the ground. A garage between the house and barn was demolished and scattered everywhere. The barn was partially destroyed. The windows in the Colman home were blown out and shingles from the roof were blown out. The Colemans escaped unharmed.</p> | | | | | | |
| Travis, Williamson, Hays and Caldwell Counties | 12 | 5:30 p-8:00 p | 60 | *30 | 0 | 0 | 6 | ? | Hail and windstorm |
| | | | <p>Hail and occasionally high winds pelted portions of four Central Texas counties in a broad area about 60 miles long and 30 miles wide beginning north of Georgetown in Williamson County and extending southward to about Lockhart in Hays County. Generally, hailstones were less than one inch in diameter, but hailstones</p> | | | | | | |
| Texas (continued) | | | | | | | | | |
| | | | <p>up to three inches in diameter were reported at Niederwald in Hays County, up to 2 1/2 inches in diameter at Dale and McMahan in Caldwell County, and two inches in diameter in the northern part of Austin. Total property damage was estimated at \$4,000,000 of which approximately \$2,000,000 occurred in Austin. Damage was confined mostly to roofs of homes and to automobile bodies. A few window panes also were broken. The hailstorm was most intense in the Niederwald area, and in the Dale-McMahan area of Caldwell County. Near McMahan the hail killed a two-month old calf on the Claude Baker farm, also killed sheep at the Lewis Ellis farm and broke many window panes. The Charles Hackett farm, 12 miles east of Austin received severe wind damage when the roof of a large shed was ripped off and dumped 300 feet away. The shed wall caved in on some farm equipment and a grain storage barn was seriously damaged. Wind gusts of 80 miles per hour were reported at Hutto in Williamson County.</p> | | | | | | |
| S Anna, Collin County | 12 | 5:40 p | | | | | | | Funnel aloft |
| | | | <p>Several persons saw the funnel cloud and heard the roar, but no one ever saw the funnel hit the earth, nor was there any damage.</p> | | | | | | |
| Malta-Daniel's Chapel community, Bowie County | 12 | 6:30 p-7:00 p | 6 | *1/2 | 1 | 5 | 5 | 0 | Tornado |
| | | | <p>A 2 1/2 mile strip of houses at Malta suffered total or partial destruction when a tornado dipped down on this community located about half way between De Kalb and New Boston. The tornado continued in a northeasterly direction where it totally destroyed the home of Jessie Lee Sanford and also the home of his mother at Daniel's Chapel, about five miles northwest of New Boston. Mr. Sanford was crushed to death in the wreckage of his home. Injured at Daniel's Chapel were Sanford's wife and their daughter and Mrs. Bobby Wilson. Mrs. Wilson, caught out of doors, was blown 200 yards to a neighbors house. Her two children escaped harm. At Malta, Paul Edwards, 29 received a severe head injury as the tornado crushed the home of his parents. His father, Homer Edwards, was spun around in a pickup truck 20 feet from the dwelling and he said, "The house just exploded". One other person was reported injured by the tornado. Property damage was estimated at \$127,000.</p> | | | | | | |
| Bells, Grayson County | 12 | 6:15 p | | | 0 | 0 | 3 | 0 | Lightning |
| | | | <p>Lightning struck the Community Cable Company of North Texas installation near Bells and caused some \$3,000 damage.</p> | | | | | | |
| 4 N Hooks, Bowie County | 12 | 7:30 p-8:00 p | 1 | *1/2 | 0 | 0 | 4 | 0 | Tornado, wind and hailstorm |
| | | | <p>A tornado damaged at least five homes, several barns, a cotton gin and facilities at the Cranfill Airfield, in the Cranfill community about four miles north of Hooks. There were no injuries. At the airfield, a small plane was demolished, as were the hangar and quonset hut located there. The Mrs. W. H. Smith home suffered siding, roof, awning and porch damage, while hardly a twig was blown off the trees at her home. Mrs. Smith said. Across the road, however, a number of trees were broken or uprooted. Considerable damage was inflicted to the Julian Cranfill home and to the Cranfill gin. Total damage was estimated at \$30,000. High winds and hail caused an estimated \$3,400 damage to a mobile home belonging to Pete Williams and located north of Leary. Hail completely destroyed the roof of the Pete Williams home as well as that of his son, Earl Williams.</p> | | | | | | |
| 3 NW Texarkana, Bowie County | 12 | 7:55 p | | | | | | | Funnel aloft |
| Austin, Travis County | 17 | 5:01 p | | | 0 | 1 | 2 | 0 | Wind |
| | | | <p>A truck driver, Charles Blanton, 37, received minor injuries when a gust of wind pushed his large trailer-truck off balance and sent it slowly over on its side. Damage to the truck, loaded with 43,000 pounds of scrap paper, was minor.</p> | | | | | | |
| N Sterrett, Ellis County | 18 | 10:28 a | 1/2 | 6 | 0 | 0 | 3 | 0 | Tornado |
| | | | <p>A small tornado touched down on Interstate Highway 35-E north of Sterrett where it tossed over a trailer carrying two small boats. Another small boat being carried in the bed of the pickup truck pulling the trailer was blown out and landed in the median strip. Lester Suter, driver of the pickup, said he saw the small tornado approaching and tried to stop, but was unable to in time to avoid the funnel. The tornado moved eastward across 35-E toward Palmer and Ferris. Total damage to the three boats and trailer was estimated at \$600.</p> | | | | | | |
| Tyler, Smith County | 28 | 6:00 p-8:00 p | 10 | ? | 0 | 0 | ? | ? | Hailstorm |
| | | | <p>Hail caused minor damage to property in an area beginning about the Tyler Junior College and extending as far southeast as Lake Tyler, a distance of about 10 miles. Hailstones up to 1 1/4 inch in diameter were reported.</p> | | | | | | |
| 3 N Marshall, Harrison County | 28 | 7:50 p | ? | ? | 0 | 0 | ? | ? | Hailstorm, lightning |
| | | | <p>Hail fell in an area about three to four miles north of Marshall but caused only minor damage. Hailstones averaged one-half inch in diameter; largest stones were 1 3/4 inches in diameter.</p> | | | | | | |

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1971

| 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 | |
| Utah | | | None | Reported | | | | | |
| Vermont State | 3-5 | | | | 0 | 0 | 6 | 0 | Snow, wind |
| | | | Near blizzard conditions in many areas. An extremely severe snowstorm in central and northern portions, including Grand Isle County, which was declared a disaster area by the governor. This island county was cut off from the mainland by huge drifts across the two arteries connecting to the rest of the state. Snowfall totals were generally 12 to 27 inches except somewhat less through lower elevations of the Connecticut River Valley. Winds downed trees and utility lines. Traffic came to a halt. Border stations to Canada were closed. Many farmers were snowbound. Stranded motorists found shelter hard to get. Some main roads were closed until the evening of the 6th. The snow fell mainly on March 3-4, the heaviest wind came on the 4-5th. | | | | | | |
| State | 7-8 | | | | 0 | 0 | 5 | 0 | Snow |
| | | | A second major snowstorm within a few days brought mostly 10 to 20 inches of new snow. This brought snow depth totals to 40 to 60 inches at many stations and even deeper at some. A new snowcover record of 116 inches was set at Mt. Mansfield. Excepting Mt. Mansfield, 83 inches at Orange is a new record depth for Vermont. The heavy snow loads contributed to structural failures. | | | | | | |
| State | 19-21 | | | | 0 | 0 | 5 | 0 | Snow |
| | | | A third major snowstorm in the same month brought varying amounts but mostly 8 to 24 inches. Lesser totals were mostly in the extreme northwest. The weight of this snow, added to previous accumulations, further contributed to structural failures. | | | | | | |
| U. S. Virgin Islands | | | None | Reported | | | | | |
| Virginia | | | | | | | | | |
| Near Washington D. C. | 4 | About 1 p.m. | | | 1 | 1 | 3 | 0 | Wind |
| | | | High winds downed trees and limbs which in turn snapped electric and telephone lines. One man, Zech F. Bond of McLean, was killed when a tree fell on him and another person received a broken nose when struck by a tree limb. | | | | | | |
| Newport News Hampton Area | 19 | | | | 0 | 0 | 4 | 0 | Wind |
| | | | Winds up to 80 m.p.h. struck Langley Air Force Base breaking a large window in the control tower, lifting part of the roof of a building and dropping it upon an automobile, and overturning two radio and TV trailers and one construction trailer. In the general area trees and signs were downed and utility failures occurred at several locations. | | | | | | |
| State | 25-27 | | | | 0 | 0 | 4 | 0 | Snow, Wind, Tide |
| | | | Snow began late on the 25th in the West and continued statewide on the 26th except in the extreme north. Snow depths ranged up to 5 inches except in southern Piedmont areas where about one foot was observed. Schools were closed in most areas and transportation was disrupted with maximum difficulty south of Richmond on the interstate highways. High winds downed trees and signs, broke windows and caused utility failures. A cinderblock wall under construction in Virginia Beach collapsed damaging an adjacent church. A barge in Chesapeake Bay loaded with fertilizer capsized and partially sank. The highest tides, 2.8 to 4 feet above normal, since the Ash Wednesday storm of 1962 were observed in the lower bay and on the Atlantic Coast. Some flooding occurred in low areas but damage was quite light. Sand and water | | | | | | |
| Virginia (continued) | | | | | | | | | |
| | | | covered the highways at Willoughby and Ocean View. Several cars were stranded and some streets were blocked. About 2/3 of the ocean pier at Virginia Beach was washed away. Three large, lighted, navigation buoys operated by the Coast Guard were beached or bank by the wind and tide. | | | | | | |
| Washington Northwest Olympic Peninsula | 24 | 1730P | | | | | | | Funnel cloud |
| | | | Two funnel clouds were reported 6 miles northwest of the weather station at Quillayute. The funnels were observed moving eastward for 20 minutes. | | | | | | |
| Entire State | 26 | | | | 2 | | 6 | | Wind |
| | | | The most damaging windstorm of this winter and one of the more severe storms covering the entire State reached the coast about 3 AM and spread over the State by afternoon. An unusual feature of the storm was the strong gusty winds which continued six to eight hours. Property damage was reported in most localities and two lives were lost in the Seattle area. Wind and wave action on Lake Washington resulted in damage to a section of the Evergreen Point Bridge. | | | | | | |
| West Virginia | | | None | Reported | | | | | |
| Wisconsin Barron County | 14 | 4:30 a | | | 0 | 0 | 4 | 0 | Lightning |
| | | | Storm burns at Cumberland. Lightning believed the cause. | | | | | | |
| Southeast Half of State | 18-19 | | | | 0 | 0 | 5 | 0 | Snow |
| | | | Heavy snow with a fall of 12 to 16 inches from southwestern Wisconsin northeastward to the Lake Winnebago region. Snow drifted badly and closed roads temporarily in many areas. Hundreds of students at the state basketball tournament stranded in Madison. Extensive damage to evergreens as the heavy, wet snow broke tops. Also many overhead wires down. | | | | | | |
| Wyoming | | | None | Reported | | | | | |

- ° 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 \$5,000,000
 - 7 \$5,000,000 to \$50,000,000
 - 8 \$50,000,000 to \$500,000,000
 - 9 \$500,000,000 to \$5,000,000,000.

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

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