

U. S. DEPARTMENT OF COMMERCE

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WEATHER BUREAU

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STORM DATA

MARCH 1964

Volume 6 No. 3



ASHEVILLE: 1964

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1964

| PLACE | DATE | TIME | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|---|------|----------------------|------------------------|-----------------------|----------------|---------|------------------|-------|---|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| ALABAMA | | | | | | | | | |
| Troy, Pike County | 2 | Afternoon | | | 2 | 2 | | | Electrical lightning entered a drive-in building causing minor damage and injuries. |
| Northern Half of State | h | Afternoon | | | 0 | 0 | 5 | | Wind High winds occurring with numerous thunderstorms caused scattered damage to houses, other buildings, trees over entire area. All damage due to wind. |
| Pickens County | h | 5:50 p | | | | | | | Funnel Funnel cloud reported visible in northwest corner of county. Observed for several minutes before disappearing in cloud. |
| Tharptown Community, Franklin County | 9 | 4:45 p | 15 | narrow | 0 | 1 | 5 | | Tornado Trees down and barns damaged on Spruce Pine Mountain. Tornado skipped northeast across open land and moved through Tharptown Community. At Tharptown 2 houses demolished, a store unroofed and several houses severely damaged. Numerous trees and power poles down along path of storm. Several automobiles severely damaged. |
| Whitehead Community, Lauderdale County | 9 | 5:00 p | 5 | narrow | 2 | 2 | 5 | | Tornado Tornado struck first demolishing a concrete block cafe on Highway 72 southwest of the Whitehead Community, then moved northeast through Whitehead. At Whitehead two houses completely demolished, fatally injuring one person in each house. Several houses and cars damaged, trees uprooted and power lines destroyed. |
| Lauderdale and Limestone Counties | 9 | 4:00 p - 6:00 p | | | 0 | 1 | 5 | | Wind High winds associated with a line of thunderstorms moving across the area caused scattered damage. Numerous houses and other buildings damaged, several barns and outbuildings destroyed and trees uprooted. |
| Fayette, Lawrence Limestone Counties | 1h | Day | | | 0 | 0 | 5 | h | Rain Rain of h inches or more in a few hours caused local flooding. Athens, Town Creek, Moulton and Fayette all had extensive flooding of streets and some homes and businesses. |
| Uniontown, Perry County | 1h | 3:00 a | | | 0 | 0 | h | | Wind Two barns destroyed and several tenant houses damaged by high winds associated with a thunderstorm moving from southwest to northeast through the area. |
| Addison, Winston County | 25 | 3:45 p | 5 | 400 | 0 | 7 | 5 | h | Tornado Tornado touched down in Machen Community, about 3 miles west of Addison, moved eastward across Addison. Seven persons injured in house in Machen which was destroyed. Nineteen houses were damaged, six barns and chicken houses destroyed, 30 barns damaged and several businesses damaged. |
| Haleyville, Winston County | 25 | Afternoon | | | h | 0 | | | Wind, rain High winds unroofed a large manufacturing plant, destroyed a barn, broke plate glass windows and caused other minor damage throughout the city. 75% of damage due to wind, 25% to rain. |
| ALASKA | | | | | | | | | No report received by printing deadline |
| ARIZONA | | | | | | | | | None reported |
| ARKANSAS | | | | | | | | | |
| Forrest City area, St. Francis County | 3 | 9:50 p. | ? | ? | 7 | 1 | 4 | 0 | Lightning Residence struck by lightning. Building burned rapidly with 5 persons escaping house. |
| Evening Shade area, Sharp County | 3 | 8:30 p. to 8:45 P. | 3 to 4 | 1* | 0 | 0 | 4 | 0 | Hail, rain, lightning Hail 1/2 to 1 inch diameter with greatest depth of 3 inches. Thunderstorm moved east causing damages to roofs and automobiles plus some livestock. |
| Little Rock and North Little Rock, Pulaski County | 4 | 6:15 a. to 6:00 a. | 5 | 1 1/2* | 0 | 0 | 5 | 0 | Hail and lightning Numerous thunderstorms moving in a northeasterly direction. Hail fell at USWB, Adama Field 5:20 A.M. to 5:47 A.M. measuring 1/4 1 inch in diameter. Bank building struck by lightning causing all the damage. |
| Pfeiffer, Independence County | 4 | 5:00 a. to 5:30 a. | ? | ? | 0 | 0 | 4 | 4 | Wind, rain and lightning Pfeiffer is about 6 miles northeast of Batesville. Property damage mainly in Pfeiffer. Wind and rain, scattered crop and livestock damage over Independence County. Thunderstorms moved northeast. |
| Beech Creek, Columbia County | 4 | 5:20 a. to 5:40 a. | 8 | 600 | 1 | 6 | 5 | 0 | Tornado Beech Creek is about 12 miles northwest of Magnolia. Tornado touched down along Highway 82, west of Waldo, and moved in a northeasterly direction into Nevada County. Tornado touched ground once, resulting wind effected about a 15 square mile area based on timber damage. |
| ARKANSAS (Cont'd) | | | | | | | | | |
| Blytheville, Mississippi County | 4 | 11:05 a. to 11:35 a. | 3 | 1* | 0 | 0 | 4 | 0 | Wind Thunderstorms moving northeast over the Municipal Airport. Winds to 70 mph destroyed 1 airplane, damaged 1 airplane and farm buildings. |
| Clinton area, Van Buren County | 8 | 5:00 p. to 5:45 p. | ? | ? | 0 | 0 | 4 | 4 | Hail, rain and lightning Thunderstorms moved northeast over northern sections of county with 1/2 inch diameter hail. Cattle drowned along Red River. |
| Yellville area, Marion County | 8 | 6:00 p. to 7:00 p. | ? | ? | 0 | 0 | 0 | 0 | Funnel cloud Funnel cloud reported at 6:18 P.M. 10 miles south of Yellville moving north. |
| Jonesboro, Craighead County | 8 | 9:42 p. | 6 | ? | 0 | 0 | 0 | 0 | Funnel cloud Funnel cloud moved northeast over the center of Jonesboro. |
| Washita area, Montgomery County | 9 | 1:00 a. to 2:00 a. | 2 1/2 | 880 | 0 | 0 | 3 | 2 | Tornado Washita is 9 miles northeast of Mt. Ida. Tornado touched down in Washita area and moved northeast. Some hail reported between Oden and Washita. |
| Cherry Hill area, Perry County | 9 | 2:50 a. to 3:00 a. | 3 | 880 | 0 | 0 | 4 | 0 | Tornado Tornado began at Cherry Hill and moved Northeast. |
| Morrilton, Conway County | 9 | Morning | ? | ? | 0 | 0 | 4 | 0 | Rain and wind Heavy rain caused local flash flooding in Morrilton. Point Remove Creek went out of banks, overflow 6 feet in places, and blocked State Highway 95. Wind produced roof and tree damage. |
| El Dorado area, Union County | 10 | 9:30 a. | ? | ? | 1 | 1 | 4 | 0 | Lightning Residence struck by lightning 7 miles southwest of El Dorado. Child died as a result of burns. |
| Magnolia area, Columbia County | 14 | 2:30 p. to 3:30 p. | ? | ? | 0 | 0 | 0 | 0 | Hail and rain Thunderstorms over central sections of county moved east-northeast. Hail reports of 1/4 inch diameter over many sections and isolated stones of 1 1/2 inches in diameter. |
| Batesville area, Independence County | 25 | 12:50 p. to 12:45 p. | 9 | 2* | 0 | 0 | 3 | 0 | Hail Thunderstorms moving east-northeast produced hail of 2 inches in diameter (largest 3/4 inches) over Batesville. Ground over 1/2 inch. Damage mainly to automobiles. |
| Georgetown area, White County | 25 | 1:00 p. to 1:45 p. | ? | ? | 0 | 0 | 3 | 0 | Wind and hail Thunderstorms moving east-northeast produced hail of 2 inches in diameter in eastern part of the county. |
| Little Rock area, Pulaski County | 25 | 1:10 p. to 1:30 p. | ? | ? | 0 | 0 | 0 | 0 | Hail Thunderstorms moving east-northeast produced hail from 1/4 to 3/4 inch in diameter (isolated 1 inch) over the western parts of the city. |
| CALIFORNIA | | | | | | | | | |
| West of San Bernardino | 2 | 0800 | | | | | | | Funnel cloud Cloud appeared to move toward east northeast. |
| Oil Canyon, 11 miles east Santa Barbara | 7 | 11:30-11:45 | 1/2 | 75 | 0 | 2 | 5 | h | Fire whirl Whirlwind formed in unstable post-frontal flow, triggered by hot air from brush fire; whirlwind carried burning bushes aloft and scattered then starting additional spot fires; trees up to 4 feet in diameter pulled from ground, 2 houses destroyed, 3 automobiles smashed, chicken houses blown apart, 1 barn filled with hay disappeared completely. |
| San Fernando Valley, South Coast, San Bernardino Mts. | 16 | | | | 0 | 7 | 6 | 0 | Wind Strong gusty winds downed trees and power poles, damaged homes, smashed automobiles, overturned parked planes, and spread fires. Fire damage ranged into the millions of dollars in addition to comparable damage from the winds. The same area experienced mudslides a week later when rains fell on the burned area. |
| Near Monterey | 2h | | | | | | | | Funnel cloud Funnel cloud reported on airway report; no further information. |

See reference notes at end of table.

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| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| COLORADO | | | None | reported | | | | | |
| CONNECTICUT Northern Litchfield County | 10 | 9:00 a.-5:00 p. | | | 0 | 0 | 4 | 0 | Ice Storm |
| | | | Accumulations of up to 3 inches of glaze ice, the result of freezing rain and sleet, felled or injured numerous trees. In some sections of Norfolk power was out for up to 12 hours. | | | | | | |
| DELAWARE Statewide | 10 | | | | 0 | 0 | 3 | 0 | High winds |
| | | | Winds, with gusts to near 60 mph, downed trees and utility lines and ripped off the roof of at least one home. | | | | | | |
| Statewide | 26 | Afternoon | | | 0 | 0 | 4 | 0 | High winds, probable tornado |
| | | | Winds overturned two house trailers near Frederica, ripped off roof of Health Center at Delaware City and uprooted trees. At Bowers small tornado literally exploded a two-story concrete block garage, and sent debris in all directions. Nearby parked boat was destroyed by collapsing building. A boy on school bus at the time described cloud as "black smoke." | | | | | | |
| FLORIDA Miami Dade Co. | 9 | 5:44 p.m. | | | | | | | Waterspouts (2) |
| Pompano Beach Broward Co. | 10 | 4:44 pm | | | | | | | Waterspout |
| Miami Dade Co. | 12 | 5:28 p.m. | | | | | | | Waterspout |
| Big Pine Key Monroe Co. | 14 | 5:00 a.m. | Short | Narrow | 0 | 0 | | | Tornado |
| | | | Waterpout crossed Highway U.S. # 1 on Big Pine Key | | | | | | |
| Pahokee Palm Beach Co. | 16 | 4:10 p.m. | | | | | | | Funnel Cloud |
| St. Petersburg Pinellas Co. | 20 | 5:50 a.m. | 3/4 | Narrow | 0 | 1 | 5 | | Tornado |
| | | | Storm came ashore from Gulf of Mexico, travelling from southwest to northeast, dipped down at Sunset Beach, then again 1 to 1 1/2 miles northeast near 2nd Avenue North and 63rd Street where most of the damage occurred. Additional damage occurred as funnel dipped down again near 49th Street and 14th Avenue North. | | | | | | |
| Jacksonville Duval Co. | 26 | Afternoon | | | 1 | 3 | | | Wind and Lightning |
| | | | Limb blown from tree during storm struck and killed man working in yard. Lightning bolt struck near jetliner on ground at Mason airport and injured 3 employees handling baggage. | | | | | | |
| GEORGIA Northwest | 4 | pm | | | 0 | 0 | 4 | 0 | Wind |
| | | | Strong winds caused damage to roofs, utility lines, awnings and TV antennas in several northwest Georgia counties during the afternoon and evening. Damage was reported in Rome and other parts of Floyd County, Haralson County, the LaGrange area of Troup County, Fannin County and in the Atlanta area. | | | | | | |
| North | 11-15 | | | | 1 | 0 | 4 | 0 | Rains |
| | | | Very heavy rains over a two-day period caused extensive flooding of both small and large streams in north Georgia. Thousands of acres of valuable farm land were flooded and roads, streets and bridges were heavily damaged. Many county roads and some major highways were closed because of high water. A six year old child was drowned in Covington when she slipped into a swollen creek near her home. | | | | | | |
| Southeast | 15 | pm | | | 2 | 0 | 5 | 0 | Wind, rain and electrical |
| | | | Winds associated with a fast moving squall line caused extensive damage in Savannah and Chatham County, and lesser damage in several other southeast Georgia counties. Several business buildings were heavily damaged in Savannah and hundreds of homes suffered varying amounts of damage in the city and county. A 300 foot radio station tower was snapped off 50 feet above the ground and a shipping company on Hutchinson Island suffered substantial damage. Utility lines were blown down and blocked down by falling trees. One person was electrocuted when he came in contact with a 4000 volt line, and a storm related automobile accident caused the death of one person and injury to several others. Other southeast Georgia communities reporting wind damage were Alma, Baxley, and Hinesville. A man was killed by lightning in Washington County. | | | | | | |
| North | 25-26 | | | | 1 | 0 | 5 | 0 | Rain and wind |
| | | | Heavy rains caused flash flooding of small streams over much of north Georgia, especially the northeast. Streets, roads and bridges were heavily damaged in several communities with Rome, Canton, Calhoun, Rockmart, Marietta and the Atlanta area hardest hit. Some 24-hour rainfall totals were near six inches. One person was drowned in Rome when a car was swept from the street by a swollen creek. A local wind storm caused extensive damage to a grocery store-service station between Gainesville and Flowery Branch in Hall County. There was minor damage to two nearby houses. | | | | | | |
| GEORGIA (Cont'd) State | 30-31 | | | | 0 | 0 | 4 | 6 | Cold wave |
| | | | A record breaking cold wave moved into north Georgia during the early morning of March 30th, and spread over the entire State by the 11st. Seasonal record lows were established at many places as temperatures dropped to the teens in the extreme north to below 25° in the northern third of State and below freezing over most all remaining areas. A very promising peach crop was virtually wiped out north of a line from Columbus to Macon, and heavily damaged in most areas south of this line. Watermelons, tobacco, tomatoes and other early crops suffered varying amounts of damage in south Georgia. | | | | | | |
| HAWAII Oahu | 19 | 2:58 p. | | | | | | | Waterspout |
| | | | Waterspout observed 5 miles south of Weather Bureau Airport Station, Honolulu, from 1458A to 1501A. | | | | | | |
| | | | The appendage was first observed by the control tower and reported immediately to the observer. The vortex was nearly perpendicular from the parent cloud, a lowering cumulus with ragged bases estimated at 2900 ft., top unknown. There was no precipitation from the parent cloud. | | | | | | |
| | | | There was noticeable churning and boiling of sea surface in the area where the funnel touched the ocean. This continued for 10 minutes after dissipation of the funnel. | | | | | | |
| | | | No property damage or injury to person was reported. | | | | | | |
| IDAHO South-Central and Eastern areas | 1 | | | | | | | | Snow & Wind |
| | | | New snowfall ranging from 1 to 16 inches and winds of 20 to 30 mph blocked many main roads and most county roads, forcing schools to close. Visibility was reduced to zero with many traffic accidents resulting. A strong gust of wind capsized a tractor-trailer near Fort Hall. Wet snow reported as 5" at Hailey and Ketchum, 9" at Fairfield, 14" at Island Park, 8" in the Palisades-Swan Valley area and 4" at Dubois. | | | | | | |
| Statewide | 4-5 | | | | | | | | Snow and Wind |
| | | | Heavy snow caused collapse of roofs on garage in Burke and auto sales building in Ashton; two vehicles were damaged in each case. Strong winds at Emmet about 9 PM of 4th lifted a 60x100 ft. section from roof of 950 ft. crane shed at a lumber mill, carrying parts of the roof 200 ft., slamming other sections against stacks of finished lumber causing considerable damage. Trees were uprooted and windows blown out. Near Burley on morning of 5th winds up to 58 mph flattened a 500 ft. building under construction, damaging truck and trailer stored there. Telephone and power lines were damaged extensively. Drifting snow blocked roads in eastern counties, resulting in the closing of many schools in the area. | | | | | | |
| Pocatello | 7 | Forenoon | | | | | 2 | | Snowslide |
| | | | Two ten year old boys, sledding in the hills near their homes, were buried in a snow slide. Two hundred persons toiled 2 hours before locating the boys. One was revived temporarily but died within three hours; the other was dead when discovered. | | | | | | |
| Statewide | 11-13 | | | | | | 7 | | Snow and Wind |
| | | | Snowfall reported as 10 to 14 inches along mountains in Dubois, Salmon, Teton, Mack's Inn and Pine Basin regions, 10" at Carey, 12" at Ketchum, 18" at North Fork Store and 27" at Galena Store in the upper Big Wood River Basin. At lower elevations barely an inch fell but with winds of 20 to 30 mph, many rural roads were filled with drifting snow, forcing schools to close. On the 12th the roof of a house collapsed in Wallace and near Cambridge the roof of a rural school house caved in. On the 13th the entire roof of a church in Burke collapsed. A freight train was stranded 11 miles NW of Richfield when its two locomotives were unable to buck 9 ft. drift. About 2 PM of 12th two persons were injured in auto accident near Rupert. Both accidents arose from reduced visibility in blowing snow. | | | | | | |
| Craigmont | 14 | Late evening | | | | | 3 | | Snow and Wind |
| | | | Snow blowing across U. S. 55 two miles west of Craigmont lowered visibility to zero, causing a chain reaction collision of 8 automobiles. Three persons were injured seriously enough to require hospitalization. Damage to vehicles was extensive. | | | | | | |
| Gibbonville | 17 | | | | | | | | Snow slides |
| | | | Slides blocked highway north and south of Gibbonville. | | | | | | |
| Idaho Falls Area | 18 | | | | | | 1 | | Snow and Wind |
| | | | Drifting snow, with 30 mph winds, blocked many rural roads resulting in school closures in the area. A "ground blizzard" on highway north of Idaho Falls resulted in an accident in which one man was injured. | | | | | | |
| Caldwell | 22 | | | | | | 1 | 1 | Fog |
| | | | One man was killed instantly when car he was driving crossed center line of highway in patch of dense fog 5 miles west of Caldwell and crashed head-on with another vehicle which was promptly struck from behind by a third car. Driver of second vehicle was hospitalized with injuries. | | | | | | |

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| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| IDAHO (Cont'd) Dubois-Spencer | 22-23 | | | | | | | | Wind and Snow |
| | | | | | | | | | Drifting snow closed two state highways, leaving about 60 motorists stranded in the little community of Spencer. Sixteen freight trucks were stalled overnight in snowdrifts between Dubois and Spencer. |
| Shoup | 31 | | | | | | | | Snow slide |
| | | | | | | | | | Snow slide covered Salmon River road between Shoup and the mouth of Panther Creek. Slide was about 100 ft. wide and up to 40 ft. deep. Forest Service officials estimated that removal of snow, rocks and trees would require several days. |
| ILLINOIS Monroe County | 8 | 6:05p | 3 1/2 | 20 | 0 | 0 | 3 | 0 | Tornado |
| | | | | | | | | | First and worst damage at farm 2 1/2 miles southwest of Columbia. Tornado was probably not in continuous contact with ground although path could be followed by tree and outbuilding damage on a line ENE (about 60°) for 3 1/2 miles. House damage was to roofs or from flying debris. Funnel sighted 3 miles southwest of first damage and debris pattern gave ample evidence of tornado. (See below) |
| Clinton County | 8 | 6:55p | 4 | 20-50 | 0 | 0 | 4 | 0 | Tornado |
| | | | | | | | | | First damage at west edge of Aviston and continued ENE (about 65°) through town and into farm country. Much roof and small building damage with two concrete block structures included. Other buildings damaged by flying debris. Heaviest damage on farm 2 miles ENE of Aviston where several buildings and farm machinery were destroyed or badly damaged. Large hedge trees uprooted or twisted off. Path easily visible across stalk field northeast of farm buildings with orientation of stalks showing rotary motion of winds. |
| | | | | | | | | | The direct line of damage and time of occurrence of above tornadoes indicate either two touchdowns of the same tornado or origins in same thunderstorm cell. Radar records from St. Louis, Mo. WBAS indicate "strongest cell" movement in agreement as to time, direction and speed. Indicated movement at 45 mph. |
| Northwest Illinois | 24-25 | night | | | 0 | 0 | 5 | 0 | Freezing rain and sleet |
| | | | | | | | | | Trees and wires heavily glazed during night with considerable damage to utility lines from weight of glaze and falling limbs. Much of northwestern Illinois affected with greatest reported damage in Hancock, McDonough, Warren, and Henderson Counties. |
| Madison County | 25 | 12:30p | | | 0 | 0 | 0 | 0 | Funnel cloud aloft & hail |
| | | | | | | | | | Funnel cloud aloft reported at East Alton with 1/2 inch diameter hail at Alton. No damage reported. |
| Hamilton County | 25 | 3:40p | 11 | 30-75 | 0 | 2 | 4 | 0 | Tornado |
| | | | | | | | | | Damage path could be followed for 11 miles through northwest Hamilton County, from 2 1/2 S Dahlgren to 2 ENE Belle Prairie. Major damage and convincing tornado evidence found in 5 miles from 4 ENE Dahlgren to Belle Prairie Road intersection with Illinois State #142. Here one house and several substantial outbuildings were destroyed and large trees uprooted. Other major buildings badly damaged, outbuildings destroyed and cars damaged by debris. Two ladies suffered facial cuts from glass when home destroyed. Movement of storm watched by several persons. Direction of travel ENE at first about 70° for five miles then sharply more northerly (about 30°) for less than 1 mile after major destruction of farm home and buildings, then about 60° for final 5 miles. |
| INDIANA Evansville | 4 | 7:30 p. | | | 0 | 0 | 4 | 0 | Wind, rain |
| | | | | | | | | | High winds damaged some buildings, antennas, while heavy rain flooded basements. |
| Central Indiana | 5 | 1-6 a. | | | 0 | 4 | 6 | 0 | Wind, lightning |
| | | | | | | | | | A line of thunderstorms moved eastward over Indiana and caused extensive but scattered wind damage to buildings, TV antennas, trees, and utility lines. Injuries were caused by wind and flying debris. Lightning and resulting fire caused \$25,000 damage to a house. |
| Monticello, Logansport, Peru(White, Carroll, Cass, and Miami Counties) | 25 | 4 p. | | | 0 | 8 | 4 | 0 | Wind, lightning |
| | | | | | | | | | One or more severe thunderstorms tore through the area exerting tremendous straight wind forces on numerous scattered properties. No tornado clouds were seen or heard. Logansport airport reported winds to 85 m.p.h. and five airplanes damaged. Two miles north of Monticello three buildings were severely damaged for a loss of \$60,000. Three injuries were indirectly from lightning and five were from debris carried by winds. Hail fell at Logansport and Peru. |
| IOWA SE Iowa | 24-25 | | | | | | 12 | 6 | Ice storm |
| | | | | | | | | | Heavy coating of ice caused numerous accidents and broke tree limbs and highlines. |
| Cincinnati | 24 | 7:00 a. | | | | | 4 | | Lightning |
| | | | | | | | | | Severely damaged two homes and shattered windows out of homes two blocks away. |
| KANSAS Linn County | 14 | 12:10 p. | 3 | 100 | | | 4 | | Tornado |
| | | | | | | | | | A small tornado struck 4 miles west of Prescott, destroying a barn and other buildings in its northeasterly path across three farms. Numerous trees were uprooted. |
| Western Counties | 19-20 | | | | | | | | High wind, snow, dust |
| | | | | | | | | | Strong northwest winds increased through the day on March 19 with falling snow. Some rain preceding the snow frost on pavements and highways, making hazardous traffic conditions. Blowing snow reduced visibility greatly. Some cattle drifted. Snow drifts 4 to 6 feet deep in Rowe, Trego, Nead, Bush, Rawlins, Decatur, Graham and Sheridan counties closed roads. In the southwest where snows light, the 50-60 mph winds caused much dust blowing with visibility reduced to almost zero at times. Rolling tumble weeds knocked down fences. A house trailer was overturned on Highway K-96 east of Dighton. Little snow was left on fields. The storm subsided on Friday afternoon March 20. |
| Southeastern Kansas | 24-25 | | | | | | | | Hail, sleet, glaze, snow |
| | | | | | | | | | A cold front touched off a few thunderstorms in the southern and eastern counties. Accompanying and following the frontal passage hail, freezing rain and drizzle, and snow spread south and east. Area affected was mostly east of Manhattan, McPherson and Wellington. Hail fell at a number of places but generally was marble size or smaller. Andover in Butler County and Fort Scott reported hail of golf ball size. Streets and highways became glazed before morning. Freezing drizzle continued through much of the day in the extreme east. Roads were difficult to clear until some warming in the afternoon of the 25th. |
| KENTUCKY Logan County, southern area | 4 | 2:30 p. | 8 | 1/2* | 0 | 5 | 5 | ? | Tornado, rain |
| | | | | | | | | | The tornado struck a farm about 2 miles west of Agairsville and travelled northeastward to the Schoebob community. A number of dwellings and farm buildings were damaged or destroyed. There was a variety of other losses - livestock killed, cars and farm equipment damaged or destroyed. Heavy rain preceded the tornado. |
| Calloway and Marshall Counties | 4 | 11:30 a. | 20 | 75-880 | 3 | 24 | 5 | 0 | Tornado, rain |
| | | | | | | | | | An aerial survey made March 5 revealed that the tornado moved from southwest to northeast for a distance of 20 miles without lifting once; width of path was as wide as 1/2 mile and as narrow as 75 yards. The swath cut by the tornado began about 3 miles west of Kirksey, Calloway County; travelled north-eastward to pass northwest of Hardin, Marshall County, and on to within a few yards of the grade school at Fairdealing; path ended on the bank of Kentucky Lake. A number of persons observed the funnel cloud; the sound was described as "something like a train rushing down... or a jet plane screaming to earth". Three people in Marshall County died as a result of the tornado, and a Red Cross survey indicated that 16 persons were injured in Marshall County, and 8 in Calloway County. 24 dwellings were destroyed, 7 had major damage and 8 minor damage. 26 farm buildings were destroyed and 22 suffered major damage. 45 farm families had losses. |
| Western and north central areas | 4-5 | | | | | | 0 | ? | Wind, rain, flooding |
| | | | | | | | | | In addition to at least 2 tornadoes in western Kentucky, there was extensive damage in a number of locations in the western and north central sections of the State due to high winds and heavy rain. There was at least one injury due to wind-blown debris. Winds of 50 to 60 m.p.h. were reported at several locations. A number of buildings were unroofed or suffered other damage, and utility lines were down in some areas. A number of barns were demolished as were several house trailers. There was flooding of streets and fields, and in a number of areas thousands of basements were flooded. In some areas flash flooding blocked roads. In a number of counties many families were evacuated due to high water. Flood damage was not determinable, but wind damage was estimated at \$20,000 or more. |

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| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| KENTUCKY (Cont'd) Northern and western areas | 9- April 1 | | | | 10 | 545 | 8 | ? | Floods |
| | Heavy rains from the 8th through the 10th fell on areas which had had heavy rain on the 4th and 5th. Serious flooding occurred on the Ohio and its tributaries, with flood peaks exceeding peaks of record at a number of gaging stations. The Red Cross estimated that a total of 6100 Kentucky families were affected, 4970 homes, 100 house trailers, 315 farm buildings and 208 small businesses being damaged or destroyed. Many thousands of residents of flooded areas were evacuated; in excess of 100,000 acres were flooded. Parts of the State affected by the floods were declared disaster areas by President Johnson. | | | | | | | | |
| Mason County, Sardinia area | 10 | 4:30 a. | ? | ? | 0 | 0 | 4 | 0 | Tornado |
| | A small tornado demolished a late-model 54-foot-long house trailer, scattering parts of the trailer over a mile area. A nearby home on the same farm was not touched. Several trees were uprooted and several farm buildings were damaged or demolished. | | | | | | | | |
| Jefferson and Henry Counties | 25 | 7 p. | 40 | ? | 0 | 1 | 5 | 0 | Tornado, high winds |
| | A small tornado of the bounding type moved along a straight line west-southwest to east-northeast from about 1/2 mile east of Standiford Field, Louisville vicinity to approximately 10 miles east-northeast. Apparently the same tornado continued north-eastward into Henry County. It touched down several times in Jefferson County, and in Henry County touched down in the vicinities of Smithfield and New Castle. The path was no wider than 100 ft. at some points. Damage resulted from the tornado and from straight-line high winds associated with a squall line. | | | | | | | | |
| Franklin County | 25 | Night | ? | ? | 0 | 0 | 3 | 0 | Tornado |
| | A small tornado demolished a barn, carrying large timbers more than half a mile from the barn site. | | | | | | | | |
| LOUISIANA Southern portion | 1-2 | Several days | | | 0 | 0 | 5 | ? | Heavy rain |
| | Heavy rains on 1st and 2nd caused general rises in rivers. Most flooding confined to lowlands near streams; major flooding in Amite and Comite basins. Rivers crested on or before 7th. | | | | | | | | |
| St. Tammany Parish | 2 | Before 9:21 a. | | | | | | | Turbulence aloft |
| | 15 W Picayune, Miss., C-46 aircraft reported being tossed 500 ft. above and below 6,000-ft. flight level. | | | | | | | | |
| E. portions of East Central and Southeast Divisions | 4 | | | | 0 | 2 | 4 | 0 | Wind |
| | Gusty winds generally prevailed, some damages. ELAQUEMINES PARISH-Southwest Pass: Winds to 35 m.p.h. and waves to 12 ft. smashed Coast Guard Light Station walls and flooded engine room, also injured two workers on nearby barge; six persons evacuated by helicopter shortly after 10 a. ORLEANS PARISH-Esplanade Street Wharf: Wind gusts caused freighter to hit fireboat and knock down about 15 fender plings. LAKE PONCHARTRAIN-High winds and rough waters forced to shore over 20 vessels engaged in jetliner search. ST. TAMMANY PARISH-Covington: Pecan tree, probably 200 years old and largest in parish, blown down on 130-year old home. | | | | | | | | |
| 10 S Baton Rouge | 14 | 8:00 a. | | | 0 | 0 | 0 | 0 | Hail |
| | 7:43 a., 17 ESE Lafayette, very heavy thunderstorm cell observed by radar, moving NNE 39 m.p.h. 8:00 a., 10 S Baton Rouge, (30.3°N, 91.2°W), public reported 1/2 to 3/4-inch hail. | | | | | | | | |
| Southern portion | 19 | a.m. | | | 0 | 0 | 5 | 0 | High winds, heavy rain |
| | Fast moving squall line moved eastward, brought damaging winds and heavy rain to most sections, contributed to traffic accidents, and flooded some areas. CAMERON PARISH-7:00 a., Sweet Lake: two barns and school bus destroyed. VERMILION PARISH-1 SE Lake Arthur: buildings damaged or destroyed. JEFFERSON PARISH-Racetrack buildings and wires damaged, program cancelled. ST. TAMMANY PARISH-10:45 a., high gusty winds threw trailer out of control on Maestri Bridge, vehicle went into Lake Pontchartrain. | | | | | | | | |
| Cameron Parish | 25 | Before 3:36 p. | | | 0 | 0 | 0 | 0 | Wind |
| | Cameron Sheriff reported wind gusts to 60 a.p.h. | | | | | | | | |
| Sabine Parish | 25 | 3:45 p.-4:05 p. | | | 0 | 0 | 0 | 0 | Hail |
| | Flores (31.4°N, 92.5°W), 3/4-inch hail and heavy rain shower moved NNE. | | | | | | | | |
| Southern portion | 27 | 9:50 p.-10:20 p. | | | | | | | Water movement |
| | Water agitation, sloshing, and "wave" action, associated with Alaska earthquake shock waves, caused slight to noticeable effects; some moored boats sunk, others, including few barges, broke loose; few roads covered with water. Up to 2-ft. water oscillations reported in wells; evaporation pan recorder pan traced 0.06 inch movement; weather was not a factor. | | | | | | | | |
| MAINE Southern portions | 10-11 | | | | 0 | 0 | 4 | 0 | Snow |
| | This was the heaviest snowstorm of the season in portions of the southwestern section of the state. Amounts there ranged from 10 to 15 inches. Elsewhere in the southern portion falls ranged from 6 to 10 inches. High winds caused considerable drifting. Hazardous driving conditions produced a rash of skidding accidents. Airlines were forced to cancel flights on the 10th and the morning of the 11th. A man collapsed and died while shoveling snow at his home in South Portland. | | | | | | | | |
| MARYLAND Statewide and especially Chesapeake Bay area | 4 | | | | 0 | 0 | 0 | 0 | Heavy fog |
| | Fog, persisting for 3 days, the 3rd through the 5th, was unusually heavy on the 4th. It brought Chesapeake Bay traffic to a standstill, slowed highway traffic and caused cancellation of some scheduled flights. | | | | | | | | |
| Statewide and District of Columbia | 10 | | | | 0 | 1 | 4 | 0 | High winds |
| | Strong winds, with gusts to 60 knots, caused considerable damage by ripping off roofs, toppling trees and power lines, whipping a brush fire into major fire in Washington, D. C., downing signs, smashing windows and causing a rash of minor auto accidents. Woman in Baltimore was taken to a hospital for undetermined injuries sustained when blown off her feet. | | | | | | | | |
| North Central Maryland and northern Eastern Shore | 21-22 | | | | 0 | 0 | 4 | 0 | Heavy, wet snow |
| | Although snow blanketed much of Maryland, amounts ranging from 5 to 16 inches were found in the areas indicated. Storm's main effect was damage to trees, shrubs and telephone and power failures. In Queen Annes County where amounts of eight to ten inches fell, damage to power and telephone lines was especially heavy; there, electric power and telephone officials were unanimous in stating that this was their worst snow since that of March 22, 1958. Snow not only snapped wires but toppled trees and poles as well. Bad driving conditions also caused a number of minor traffic accidents. | | | | | | | | |
| MASSACHUSETTS Statewide | 10 | | | | 0 | 0 | 4 | 0 | Sleet, ice |
| | Heavy sleet and freezing rain with some light snow produced extremely hazardous travel conditions over most of the state. In the southeast and on Cape Cod precipitation was mostly in the form of rain. In Boston, sleet fell steadily for more than 11 hours, occasionally with moderate to heavy intensity, accumulating to around 2 inches to establish a new record for duration and amount. Continuous sanding of roads and highways in many parts of the state helped to lessen the dangerous travel conditions but numerous skidding accidents were reported. Poor visibility prevailed nearly all day and may have been a factor in a fatal airplane crash that took 3 lives at Castle Island in Boston Harbor. | | | | | | | | |
| North-Central and Eastern | 18 | A.M. | | | 0 | 0 | 4 | 0 | Snow, wind |
| | Snow totaling 7 to 14 inches fell in a band through the north-central and northeastern portions. Many schools closed. Though less snow fell elsewhere in eastern Massachusetts, generally only 1 to 5 inches on Cape Cod, hazardous streets and roads over the entire area contributed to many traffic accidents. Strong winds in the eastern portion felled some limbs and power lines. Thunder was heard in some areas during the snowstorm. | | | | | | | | |
| MICHIGAN Entire Lower peninsula | 5 | 12:30 a.-7:00 a. | | | 0 | 0 | 5 | | High winds |
| | High winds caused considerable damage throughout the entire lower peninsula. Numerous large plate glass windows in business establishments plus windows in many homes were blown in or broken by high winds. Buildings under various stages of construction suffered heavy damage as walls were blown down and materials were thrown about. Hundreds of trees were toppled causing heavy damage to buildings, homes, and cars in the area. Large commercial signs blown down and damaged. Damage also reported due to signs hitting buildings and cars. High winds snapped and broke hundreds of power line poles which caused disruption of service to thousands of homes and businesses. Two hundred foot steel radio broadcasting tower at Adrian toppled by high winds with estimated damage over three thousand dollars. | | | | | | | | |

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1964

| PLACE | DATE | TIME | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM | | |
|---|---|-------------------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------------------------|---|------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | | | |
| MINNESOTA Southwest and West Central Minnesota | 19-20 | | | | 0 | 0 | 4 | 0 | Glaze, Snow, Wind | | |
| | Freezing rain and drizzle fell over Rock and Nobles Counties the morning of the 19th spreading northward and northeastward over the rest of southwestern and west central Minnesota changing to wet snow by mid-afternoon. Wet snow fell northeastward through central and eastern Minnesota late the 19th, ending early the morning of the 20th. Ice accumulation of 1/2 to 1 1/2 inches interrupted telephone and telegraph communications in Rock and Nobles Counties and also parts of Renville County. Hardest hit area was Luverne (Rock) to Wilhont and Rushmore (Nobles) where 60 telephone poles were snapped. New snowfall ranged from near 10 inches at Morris and Benson to 4 inches in the Remer-Duluth area and at Minneapolis-St. Paul. Below 32°F temperatures covered the state until the 21st when temperature above 32°F and gusty winds cleared utility lines of ice accumulation in southwestern Minnesota. | | | | | | | | | | |
| MISSISSIPPI Adams County to Winston County | 3-4 | 9:42 p. 3rd-1:43 a. 4th | | | 0 | 0 | 5 | 0 | Thunderstorm | | |
| | Severe thunderstorm, very strong radar echo moved from 13 S Natchez to 4 S Louisville. Wind and rain damage reported. HINDS COUNTY-11:20 p., Terry: 1/2 to 3/4-inch hail covered ground. Shortly before midnight, Clinton: Buildings damaged and truck blown over. Midnight, Jackson area: Hail up to 1-inch in diameter. RANKIN COUNTY-12:15 a., Weather Bureau Airport Station (Allen Thompson Field), received two inches rain in 15 minutes. S E Jackson: As workers were pumping water off roofs of shopping center, variety store roof caved in and water soaked merchandise; other stores in shopping center damaged slightly. Langford: House trailer toppled over. Brandon and Whitfield: Buildings also damaged. About 2 a., McLaurin and Pearl areas warned of rising flash flood; near 100 families escaped before water reached homes but some awakened to find automobiles virtually covered with water. Water level fell quickly; by 4 a. it was gone. | | | | | | | | | | |
| Alcorn County, Tishomingo County in to Tennessee | 4 | About 11 a. | 15 | | 0 | 5 | 4 | 0 | Funnel aloft | | |
| | Funnel aloft approached Glen from SW, passed over Farmington area Central High School; moved NE into Tennessee. Popping noise made when part of school's tin roofing torn off, some windows broken. Five students received minor injuries from flying glass; several cars parked nearby had glass damage. Accompanied by blinding rain, winds smashed several chicken houses and jerked roofs from some buildings; power lines down. | | | | | | | | | | |
| State | 9 | am and afternoon | | | 2 | 5 | 6 | 5 | Thunderstorm, high winds, heavy rain | | |
| | A line of thunderstorms, accompanied by high winds and heavy rains, moved eastward across State. Portions of each county affected. Northern and Central sections reported extensive knocked over power lines and trees, roofs torn off homes and stores, residence and business windows blown out, numerous barns flattened. | | | | | | | | | | |
| Coahoma County | 9 | 1:00 p.-1:05 p. | 1-1/2 | 200 | 0 | 0 | 5 | 0 | Funnel aloft | | |
| | Motorist reported thin black funnel aloft with a sharp point becoming obscured by very heavy rain. In Clarksdale, after 3-hour rain, winds became destructive, roofs torn off, heavy rains swamped buildings, 7th floor windows of tallest building in town shattered; objects blown almost horizontally and about a three-block downtown area was strewn with flying debris which damaged automobiles. Storm moved from SW to NE, some residential damage. | | | | | | | | | | |
| Lower Delta Division (less Leflore County) | 9 | am and afternoon | | | 0 | 0 | 5 | 0 | High winds | | |
| | High winds near 1 a. subsided, then increased shortly after noon. Few towns or communities were spared a hard blow. Some suffered extensive damage. 12:35 p., Rolling Fork: Local builders estimated damages \$50,000 to \$100,000. 12:45 p., Hollandale: House trailer overturned, grain bins damaged. 12:45 p., Moorehead: Wind damage to trees and signs, power lines downed, 2 houses demolished. Washington County Civil Defense Director said the Darlove area was hardest hit in county. | | | | | | | | | | |
| Leflore County | 9 | 1:00 p.-1:30 p. | | | 1 | 5 | 5 | 4 | Funnel aloft | | |
| | Wind damage widespread throughout county. High winds, followed by torrential rains, destroyed or severely damaged some 50 houses; numerous barns and implement sheds demolished. Few head livestock reported killed. Near Minter: City, woman injured by flying glass. On Money Road 4 N Greenwood, one house demolished, 1 dead, 4 injured. Greenwood: Resident observed funnel aloft west of downtown section about 1:15 p. Students reported funnel aloft over Greenwood High School building few minutes before 1:30 p. Winds W 63 m.p.h., gusts to 89 m.p.h., severe thunderstorm, many roofs, carports, and trees damaged; several freight cars were knocked from tracks. | | | | | | | | | | |
| Marshall County | 9 | 3:35 p. | | | 45 | SE | Memphis, Tenn. | | Funnel aloft | | |
| | Pilot reported funnel cloud | | | | | | | | | | |
| Lee County | 9 | 2:58 p.-3:30 p. | | | 0 | 0 | 5 | 0 | Windstorm | | |
| | 2:58 p., Tupelo: Storm approaching from WSW moved ENE. Two-seater plane ripped from moorings and demolished. Highest winds clocked at 105 m.p.h. (top of page); 4 houses destroyed. About 3 p., Sherman-Belden area: House flattened and other buildings damaged. 3:15 p., Baldwin: Roof of supermarket demolished, roof blown off barn. 3 p.-3:30 p., Shannon-Wetzelton area: Trees, power lines, 2 barns, house and house trailer blown down. | | | | | | | | | | |
| Meridian, Lauderdale County | 9 | 4:30 p. | | | 1 | 0 | 0 | 0 | Heavy rain | | |
| | During heavy downpour, worker buried in ditch when sides caved in, and was crushed to death. | | | | | | | | | | |
| MISSISSIPPI (Cont'd) | 14 | p. | | | 0 | 2 | 4 | 4 | Thunderstorm, high wind, heavy rain | | |
| State | Considerable local flash flooding; most of main streams approached or slightly exceeded flood stage. Blinding rain contributed to automobile accidents with 3 fatalities. LEFLORE COUNTY-4:50 p., Greenwood: Trees uprooted, gusts to 63 m.p.h., some hail. 5:15 p., 2 N Greenwood: Barn, shed, and power lines blown down at Pillow Plantation. ADAMS COUNTY-night, La Grange Plantation (near Natchez) 12 cattle killed, 2 injured by lightning, probably largest number ever killed by lightning in county. UNION COUNTY-7:15 p., 15 E New Albany: Lightning injured man and woman and damaged their home. | | | | | | | | | | |
| Southern portion | 27 | 9:45 p.-10:15 p. | | | | | | | Water movement | | |
| | Water agitation, sloshing, and "wave" action associated with Alaska earthquake shock waves caused slight or no effect. In Yazoo Canal, Vicksburg, mooring lines of a permanently docked sternwheeler were pulled off by sudden wave and water movement and steel walkway of showboat was bent to a 30 degree angle; weather was not a factor. | | | | | | | | | | |
| Northern and Central portions | 30 | a. | | | 0 | 0 | 0 | 5 | Unusual cold | | |
| | Many places reported temperatures near or the lowest ever recorded (1) so late in the season, or (2) for the date. Fruit trees were in full bloom and suffered damage; peach prospects mostly poor in northern counties, but little damage elsewhere. | | | | | | | | | | |
| MISSOURI East Prairie, Mississippi County | 4 | 12:30 AM | | | | | | | Tornado | | |
| | Most buildings on a farm demolished when funnel touched down. | | | | | | | | | | |
| Cardwell, Senath Dunklin County | 4 | 9:00-9:20 PM | 10 | 100 | 3 | | 4 | | Tornado | | |
| | Tornado first hit in Cardwell area moving toward the northeast, upsetting a trailer home and injuring one woman. The tornado changed direction toward the east, hitting the Senath area. A quarter ton used by the public school at Senath was damaged just a few moments after a group of children had been moved out. Many other homes and business buildings were damaged. A metal boat was blown a quarter of a mile away. Two persons were injured near Senath. | | | | | | | | | | |
| Joplin Newton County | 6 | Morning | | | | | 4 | | Thunderstorm | | |
| | Extensive damage to power lines. Winds hit gusts of 58 miles per hour at Joplin Airport. | | | | | | | | | | |
| Southeast Lowlands | 8 | During the day | | | | | 5 | | Thunderstorms | | |
| | 4 to 6 inch rains caused considerable flooding. Some damage to roofs of four buildings in Bollinger County. Many basements flooded. A home set on fire by lightning in Dexter, and another one in Malden. | | | | | | | | | | |
| Northwest and North-central Missouri | 24-25 | | | | | | 4 | | Freezing rain | | |
| | Most roads covered with ice. Damage to trees, power and telephone lines. | | | | | | | | | | |
| Wayne and Reynolds Counties | 25 | 1:00-1:30 PM | 30 | 200-300 | 26 | | 4 | | Tornado | | |
| | Major damage done by one tornado that moved from near Van Buren to darwood, Patterson, Silva and Clubb, the Wayne-Bollinger County border near the Castor River. A teacher and 13 students hurt in the school at Clubb. Many homes and farm buildings damaged. | | | | | | | | | | |
| Dexter, Stoddard County | 25 | 3:00 PM | | | | | 4 | | Thunderstorm | | |
| | Home demolished when set on fire by lightning. | | | | | | | | | | |
| St. Louis County | 29 | During Day | | | | | 4 | | Windstorm | | |
| | Many windows broken, power lines down and signs and trees damaged by wind which hit gusts of 52 miles per hour. | | | | | | | | | | |
| MONTANA Petroleum County | 22 | early morning | 60 | *30 | 0 | 0 | 4 | 0 | Blizzard Conditions | | |
| | The storm began early morning of the 22nd and continued into the 23rd. Considerable loss of livestock, particularly young calves and lambs. | | | | | | | | | | |
| NEBRASKA Western and Central Nebraska | 19 | Afternoon and Night | | | 0 | 0 | 5 | | Blizzard and ice storm | | |
| | Heavy snow western Nebraska and freezing rain central Nebraska accompanied by high winds caused considerable loss of livestock and damage to power lines. | | | | | | | | | | |
| NEVADA NEW HAMPSHIRE Statewide | 10-11 | | | | | | 0 | 0 | 4 | 0 | Snow |
| | Yields generally 8 to 15 inches except in extreme south, where snow was mixed with sleet and totaled 4 to 8 inches of a denser mixture. Considerable drifting in central and northern portions. Traffic hampered generally with some cars stalled in drifts. Some airline service canceled. | | | | | | | | | | |

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1964

| PLACE | DATE | TIME | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM | |
|--|-------|----------------------------------|------------------------|-----------------------|----------------|---------|------------------|-------|----------------------|-----------------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | | |
| NEW JERSEY Gloucester, Camden, Burlington, Ocean and Monmouth Counties | 10 | 1:20pm | 50 | 200 | 0 | 10 | 5 | 0 | Tornado | |
| A tornado moved from southwest to northeast along a line from Woodbury to Farmingdale, in connection with squall line activity. Damage was done to a shopping center in Woodbury, large trees in Haddon township, a residential block in Lambert, a trailer court in East Hampton township, and farm buildings at Jobstown, New Egypt, Farmingdale, and other locations. Funnel clouds were observed at the trailer court in East Hampton township, where the major damage occurred. The injuries were chiefly from window glass and other flying debris. | | | | | | | | | | |
| Neptune City | 26 | 4:35pm | 1/10 | 20 | 0 | 0 | 4 | 0 | Tornado | |
| A small tornado passed from west to east over a suburb of Asbury Park during a period of thunderstorm activity which was moving rapidly across the State. A two-story frame house was demolished when lifted from its foundation. Several witnesses reported observing a funnel cloud. | | | | | | | | | | |
| NEW MEXICO North and West N. Mex. | 22 | Afternoon | | | | | 3 | | Wind and dust | |
| Winds with gusts of 40 to 55 miles per hour, 68 miles per hour at Farmington, were accompanied by scattered areas of blowing dust which at times reduced visibility to near zero, except in southeastern New Mexico. Airplane pilots reported dust to as high as 18,000 feet. Adobe home unroofed at Chimayo, Rio Arriba County; T-hanger wrecked, storage shed blown into bar, and windows broken in Los Alamos County; cinderblock wall collapsed on car at Farmington, San Juan County; plate glass windows broken in Santa Fe and Otero Counties; and some power failures in Bernalillo County. | | | | | | | | | | |
| NEW YORK Statewide except extreme southeast | 4-6 | p.m. of 4th to early a.m. of 6th | | | | | 12 | 6 | Rain, flooding, wind | |
| Unseasonably warm temperatures and heavy rains, mostly on the 5th accompanied by rapid melt of a deep snow cover resulted in widespread flooding in the southern half of the state, except in the extreme southeast. With heaviest rains of from 1.5 to 4.0 inches the Mohawk Valley and east central sections were hardest hit by flood water. However, flooding of streets, roads, basements, stores, etc., was also severe in southwest and central counties, affecting such areas as Jamestown, Corning, Ithaca, Binghamton, Syracuse, Little Falls, Utica and Oneonta. Some 20 cars of a freight train were derailed at Pavilion, Genesee County, as flood waters weakened roadbed. Numerous bridges washed out including two at Utica and one at Little Falls; power dam broke at Eagleville, Madison County; 11 families marooned for two days at Hope in southern Hamilton County. The arrival of cooler air on 6th reduced snow melt and caused flood waters to noticeably recede. High winds with gusts of 65 to near 90 mph battered western and Great Lakes sections north to Watertown on the 5th. Numerous barns, storage sheds, stores and other buildings unroofed, store windows smashed, trees and utility lines downed in many areas including Salamanca, Dunkirk, Buffalo, Jamestown, Medina, Niagara Falls and Syracuse. Several small airplanes damaged near Buffalo. Injuries resulted from flying glass and debris or being blown down by force of wind. Wind damage in western N.Y. estimated over \$500,000. | | | | | | | | | | |
| Statewide, except northern third and extreme southeast | 9-10 | late p.m. of 9th through 10th | | | | 6 | Many | 5 | Snow, freezing rain | |
| A complex low pressure system moving from the lower Mississippi Valley toward New Jersey-Delaware coast caused heavy snow near and north of a line Buffalo-Albany and severe icing along the southern tier, through the Catskills and into the middle Hudson Valley. Heaviest snowfall in Mohawk Valley, southern Adirondacks and southern Champlain Valley with falls of 12 to 16 inches; from 7 to 12 inches wet snow in Lakes snowbelt from Buffalo to Watertown and into St. Lawrence Valley. Snowfall also heavy northern third of state but storm effects minor. Highway travel stalled and many auto accidents in snow-affected areas. Fatalities from auto accidents and overexertion. Chautauque County in southwest and Columbia, Dutchess and Ulster Counties in Hudson Valley hardest hit by glass. Utility lines downed over wide area, especially Hudson Valley, with outages lasting over 24 hours; streets and roads clogged with fallen trees, limbs and wires. Driving extremely hazardous in glaze areas with numerous car accidents and minor personal injuries. Schools closed or dismissal early throughout snow- and glaze-affected areas but generally reopened on 11th. The storm included thunder in areas to the eastern lee of Lake Ontario (Boonville, Oswego, etc.) | | | | | | | | | | |
| Long Island | 10 | 2:20 p.m. | | | | | | | Waterspout | |
| Observed about one mile east of Floyd Bennett Field on southwestern Long Island. | | | | | | | | | | |
| NEW YORK (Cont'd) Great Lakes (near) | 26 | Afternoon | | | | 4 | 8 | 4 | Wind | |
| High winds concentrated property damage south of Lake Ontario from the Buffalo to the Syracuse areas. Wind force gradually increased during morning of 26th to reach maximum velocities by afternoon or early evening; official measurements of gusts at 65 to 80 mph with unofficial instrument reading of 94 mph at North Tonawanda, Erie County. Warehouse unroofed and several parked cars damaged by falling debris and two homes lost part of roof all in or near Rochester. Trees, power lines and store windows damaged in Buffalo, Niagara Falls, Batavia and Rochester, as well as parts of Livingston, Genesee and adjacent counties. Two fatalities in auto accidents near Syracuse blamed on wind force; two killed in skidding accidents on ice- or snow-covered highways. Snow accompanying high winds caused serious drifting of highways in southwestern highlands. Eastern sections of state also hit by high winds but damage apparently minor. Winds gradually subsided on 27th. | | | | | | | | | | |
| Binghamton, Broome County | 26 | 3 p.m. | | | | | | | Funnel cloud | |
| Pilot reported funnel cloud aloft in general vicinity of Binghamton, south central section of state. No reports of funnel touching ground. | | | | | | | | | | |
| NORTH CAROLINA Southwestern North Carolina | 4 | night | | | | 0 | 0 | 4 | 0 | Wind |
| Moderately high winds affected several counties in the Mountains and southwestern Piedmont, causing scattered but widespread occurrences of roof damage, sheds and outbuildings blown down, and trees uprooted. | | | | | | | | | | |
| Central and Eastern Counties | 9 | night | | | | 0 | 0 | 4 | 0 | Wind |
| General windiness similar to that of the 4th, but affecting a different area. | | | | | | | | | | |
| Bertie County | 15 | 9:51 am | 1/4 | 25 | 0 | 0 | 5 | 0 | Small Tornado | |
| Storm hit small community of Sans Souci. Several buildings and trailers were upset, and a number of trees uprooted. Storm accompanied by a loud roar and "was gone as quick as a jet plane". | | | | | | | | | | |
| Wayne County | 15 | unknown | short narrow | | 0 | 0 | 4 | 0 | Possible Tornado | |
| Storm reported at Ikeville, about 75 miles southwest of Sans Souci. According to newspaper account, very similar to that noted above. No verification. | | | | | | | | | | |
| Statewide | 30-31 | | | | | 0 | 0 | 5 | 6 | Cold wave |
| Sharp cold turn at end of month, similar to that of March 1958. Peach crop virtually destroyed, apple damaged, berry crop in southeast severely hurt. Shrubs, flowers and vegetables killed or injured many areas. Scattered instances of property damage by cold and wind. | | | | | | | | | | |
| NORTH DAKOTA Eastern half | 23/24 | | | | | 0 | 0 | 0 | 0 | Hizzard |
| Heavy snowfall up to ten inches in the northeast section was accompanied by winds estimated at 70 miles per hour at Walhalla. All highways in the northeast were blocked. | | | | | | | | | | |
| OHIO Entire State | 4-5 | | | | 5 | Many | 0 | 7 | C | Flash floods and High Winds |
| An intense storm passed over Ohio on March 4-5 resulting in heavy rainfall and strong winds. Rain started during the early morning of the 4th accompanied by heavy thunderstorms, and continued with few interruptions until mid-afternoon of the 5th. Most of the rain fell on the first day while strongest winds occurred during the morning hours of the 5th. Largest amounts of rainfall—some in excess of 5 inches—fell in a band extending from the southwest across the middle of the state to the northeast. Flash flooding was common on smaller streams almost immediately, while their cumulative effect was not felt on the Ohio River until several days later. | | | | | | | | | | |
| Most accounts of damage stated that strongest winds occurred near 8 AM on March 5. Measured gusts in the range from 50-100 mph were reported from several points in central and northern Ohio; and accounts of severe damage were received from all parts of the state. Trees, signs, roofs, utility lines, windows, and miscellaneous structures were destroyed on a grand scale. In Celina, for example, a commercial radio tower was buckled; and at Cedar Point destruction at the amusement park was estimated at \$250,000. Since damage was so widespread, no attempt is being made to single out any specific place for individual description. While much of the damage appeared to be localized, there was no evidence of corradic activity. | | | | | | | | | | |

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1964

| PLACE | DATE | TIME | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|---|--|---------------------------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| OHIO (Cont'd) Entire State | 9-10 | | | | 07 | | C | | Heavy rain and Floods |
| | A second intense storm struck in Ohio just 5 days after the first one described above. Amounts of rainfall were substantially the same, as before with the same general distribution over the state. Addition of these flood waters resulted in one of the worst floods to be experienced along the Ohio River and its principal tributaries in recent years. | | | | | | | | |
| Plain City | 9 | 12:10AM | Short | Narrow | 0 | 0 | 3 | 0 | Tornado |
| | A weak tornado struck at the Arl Bidwell farm 2 miles north of U. S. 40 on U. S. 42 just after midnight. The roof was lifted from a well-house, and a brooder house and machinery shed were demolished. Debris was scattered in all directions over an area some 800 feet in diameter. | | | | | | | | |
| Northern Ohio | 9-10 | 6PM (9th to 6A(10th)) | | | 0 | 0 | 5 | | Ice storm |
| | A moderate to locally severe ice storm occurred as temperatures dropped below freezing at the end of the heavy rainstorm mentioned above. It covered most of the northern third of the state with glaze accumulations from 1/2" to 3/4" thick. The ice remained unmelted for up to two days. Breakage of limbs was widespread, but most severe damage was done to utility lines. Many communities were without electric or telephone service for varying lengths of time. An added hazard was the accumulation of snow on icy pavements which spooled traffic and contributed to numerous highway accidents. | | | | | | | | |
| OKLAHOMA Northeast Quarter of State | 4 | Noon - 9:30p. | | | 0 | 0 | ? | 0 | Snowstorm |
| | Snowstorm yielded heavier depths of 3 to 6 inches over the area bounded by Ottawa, Osage, Creek, and Cherokee Counties. Hazardous driving conditions developed during the afternoon across Tulsa, Rogers, Wagoner, Muskogee, and Cherokee Counties where wet snow totaled 6 inches and the greatest depth of storm reached 7 inches at Tulsa Weather Bureau Airport Station by 6p.m. Severity of the storm was eased by above freezing temperatures which kept snow on streets and highways slushy. Tulsa police reported over 75 auto accidents during the storm, while more than 40 automobiles skidded into ditches along highways between Tulsa and western Arkansas. | | | | | | | | |
| Southeastern Two-Thirds of State | 8-9 | 2:00p., 8th - 9:00p., 9th | | | 0 | 0 | 7 | 0 | Rain, snow, sleet, and freezing rain |
| | Beneficial rains totaling 2 to 4 inches in the five extreme southeastern counties preceded the last major snowstorm of the winter. Snow accompanied by sleet and freezing rain began in the southwest about 9:00 a.m. and accumulated 2 to 5 inches deep over the area bounded by Tillman, Custer, Osage, Ottawa, Sequoyah, and Bryan Counties. Five-inch totals were observed in Gadsden, Lincoln, and Creek Counties with heavier amounts of 5 to 9 inches falling in Delaware, Adair, Cherokee, Wagoner, Muskogee, and Sequoyah Counties. Greatest depth of 12 inches fell at Tahlequah, Cherokee County, with up to 2 inches received by 4:30 p., 10 inches by 5:30p., and 12 inches by 7:00p. Somewhat-bound traffic at Tahlequah was slowed or halted and schools were closed on the 10th. Iced bridges and hazardous roads contributed to many traffic tie-ups. Snowfall of nearly 9 inches at Muskogee collapsed the roof of a book-binding company and caused the closure of schools on the 10th. | | | | | | | | |
| Texas County | 19 | Early Evening | | | 0 | 0 | 3 | 0 | Blowing dust |
| | High winds and blowing dust during the storm passage reduced visibility to zero along Highway US 54. Blowing dust from adjacent fields contributed to 2 separate two-car collisions about 2 1/2 miles west of Gunton at about 5p., and a third rear-end collision about 5 miles east of Hardesty on SH 3 about 10:15p. | | | | | | | | |
| Most of Northern Half of State | 25 | Midnight to Noon | | | 1 | 5 | ? | 0 | Glaze |
| | Early morning glazing conditions caused rush-hour traffic tie-ups with numerous minor accidents reported. Icy bridges and overpasses triggered accidents near Oklahoma City which accounted for 1 death and 3 injuries. An 18-ton semi-trailer truck was overturned and a bookmobile library truck jackknifed. Two persons were also injured in accidents at Enid. | | | | | | | | |
| OREGON | | | None reported | | | | | | |
| PACIFIC AREA | | | None reported | | | | | | |
| PENNSYLVANIA "State-wide" | 5 | All Day | | | 7 | | 5 | | Wind |
| | Strong winds with gusts 60 to 80 mph toppled many trees, which in turn downed numerous utility lines. Several buildings were unroofed, walls caved in, house trailers were overturned, and a number of plate glass windows were broken by the high wind. Four persons were injured in Erie, two in Pittsburgh, and one in Chester, by flying glass and/or being knocked down by the wind. | | | | | | | | |
| PENNSYLVANIA (Cont'd) Southern Counties | 10 | Morning & Afternoon | | | | | 1 | 4 | Wind |
| | In Lancaster County the roof was blown from a large building and one side of the wall collapsed, causing \$10,000 damage to the building and to several cars parked nearby. A man was injured when the ladder on which he was standing was blown down. Near West Chester roofs of several mubroom houses were torn off, while in south-western Pennsylvania several house trailers were overturned by the 50 to 60 mph winds. | | | | | | | | |
| Northern Counties | 10 | Night | | | | | 4 | | Ice |
| | A severe ice storm broke many trees and utility lines. Electric and telephone wires were down in many places and trees were broken by the thousands. | | | | | | | | |
| Eastern Pa. | 26 | Afternoon | | | | 1 | 6 | 5 | Wind |
| | Several house trailers were overturned in the area, one of which contained four persons who were injured slightly. The gale force winds toppled a number of trees and unroofed several buildings. Near Milton, a barn was blown down by the wind. Near Doylestown, a man was killed while his wife and son were injured when struck by a flying picnic table. | | | | | | | | |
| Berwick | 26 | 1:30 P.M. | Short | Narrow | | | 2 | | Tornado |
| | The tornado uprooted a tree in a cemetery. | | | | | | | | |
| PUERTO RICO | | | None reported | | | | | | |
| RHODE ISLAND | | | None reported | | | | | | |
| SOUTH CAROLINA South Carolina | 30-31 | Early morning | | | 0 | 0 | 0 | 7 | Killing freeze |
| | Hard freezes occurred in the northern section on the 30th and practically all over the state on the 31st. Minimum temperatures below 25 degrees were quite widespread, so that there were several reports of lowest temperatures on record for so late in the season. The northern peach crop was practically destroyed and very substantial damage was done to the crop elsewhere. The coastal vegetable crops will have to be replanted. | | | | | | | | |
| South Carolina | Mar. | | | | 0 | 0 | 4 | 4 | Flooding |
| | Rivers occasionally cresting above flood stage - lowland flooding was comparatively frequent, causing moderately substantial damage to roads, bridges and crops. | | | | | | | | |
| SOUTH DAKOTA Eastern and Southern sections | 2-3 | | | | 0 | ? | ? | 0 | Snow |
| | From Lake County into southern Tripp County, 8-13 inches of snow. Elsewhere mostly 2-6 inches. Little wind or drifting reported. | | | | | | | | |
| Eastern half | 19-20 | | | | 0 | ? | 4 | 0 | Snow, glaze |
| | Snow mostly 3-9 inches. Winds 15-25 MPH caused some drifting. Drifts 3-4 feet reported in Mellette County. Glaze 1/2 inch thick on trees and wires in southeast caused many line outages and broken tree branches. Power was off 1-3 hours in parts of Sioux Falls. Two deaths from snow shoveling in Sioux Falls indirectly caused by storm. | | | | | | | | |
| Western and Northern sections | 23-24 | | | | 0 | ? | ? | 0 | Blizzard |
| | Snowfall 1 to 4 inches. Winds 40 to 60 MPH caused blowing and drifting snow which reduced visibility to near zero. Many schools were closed. Temperatures dropped to below zero in some areas morning of 24th. | | | | | | | | |
| TENNESSEE Shelby County | 3-4 | Night | | | 0 | 1 | 4 | 0 | Hail, rain, and lightning |
| | Hail up to 1 1/2 inches in diameter occurred during severe thunderstorms at several locations, mainly at Memphis and in the central and northeast portions of the county. Hundreds of roofs received damage, most minor but in some cases hail ripped holes in roofs exposing interiors to heavier rain damage. A train brakeman was seriously injured when struck by lightning in a telephone booth. | | | | | | | | |
| Northeast Shelby County | 4 | 10:00 a. | 5 | 200 | 0 | 3 | 4 | 0 | Tornado |
| | Tornado first struck at the corner of Brunswick Road and Millington-Arlington Road and moved northeastward to the Tipton County line. Three women were injured, none seriously, when their houses collapsed. At least 8 houses and several small buildings were wrecked and others damaged. Trees, utilities, roofs, automobiles and TV antennas were also damaged. | | | | | | | | |
| Near Covington, Tipton County | 4 | 10:30-10:35 a. | 6 | 200 | 0 | 3 | 4 | 0 | Tornado |
| | Tornado moved northeastward from near the north central Shelby County line through the Clifton and Mt. Carmel communities to about 3 miles southeast of Covington, Tipton County. Two persons received minor cuts and bruises and one a broken arm. Several houses and barns were completely demolished, others severely damaged. Other damage was to trees, utilities, roofs, automobiles, and TV antennas, some not in direct path of tornado. | | | | | | | | |

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1964

| PLACE | DATE | TIME | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM | PLACE | DATE | TIME | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM | | | | | |
|---|------|------|------------------------|-----------------------|----------------|---------|------------------|---------|--|--|------|------|------------------------|-----------------------|----------------|---------|------------------|-------|--------------------|--|--|--|--|--|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | | | | | | | KILLED | INJURED | PROPERTY | CROPS | | | | | | |
| TENNESSEE (Cont'd) Statewide 4 Through-out day Strong winds during thunderstorms caused building, tree, utility, roof, and TV antenna and miscellaneous damage in many localities. A woman was killed and another injured when a storm shelter caved in in Robertson County, a woman fell in strong winds and broke a leg at Shelbyville, Bedford County, and a man received burns from a fallen electric wire near Cleveland, Bradley County. A few live-stock were killed and fruit trees blown down. Heavy rains caused local flooding and damage to roads, bridges, and farmland. Greatest damage due to wind. | | | | | 0 | 0 | 5 | 3 | Wind and rain | TEXAS (Cont'd) Several barns, garages, and out houses were demolished or blown away. The tornado passed over or very close to the Coleman home located several hundred yards from the main intersection of the Uvalde Batesville and the Pearsall La Pryor highways. At the Coleman home, windows on the east side were blown into the living room and windows on the opposite side of the house were blown out. A huge antique four-legged table was lifted toward the ceiling. Connie Coleman was cut by flying glass. At the main intersection in Batesville, a large house trailer was toppled over onto an automobile. Hail accompanying the storm destroyed many fields of newly planted lettuce, onions, corn, grain, and cotton. Two airplane hangars were blown completely away by the tornado, and eight utility poles were snapped off at ground level. From two to five inches of rain fell during passage of the storm cloud. | | | | | | | | | | | | | | |
| Hardin and Wayne Counties 4 11:00 a. Tornado moved northeastward from Counce, Hardin County, to Clifton Junction, Wayne County. At Counce a pulp and paper mill was heavily damaged, a chemical plant storage tank destroyed, and 2 railroad cars blown off the track. Several million dollars damage was done at the Pickwick Dam TVA station to the switchyard and steel towers carrying high voltage transmission lines. A boat dock and about 15 boats were destroyed and another boat dock damaged. At least 6 houses were destroyed at the Blount Community. At Hodges several homes and a community store were destroyed. Most serious injuries were in the Burnt Church community to a man and wife when their house was destroyed. Other damage occurred to barns, roofs, TV antennas, utilities, trees and motor vehicles. | | 29 | 150-800 | 0 | 7 | 7 | 0 | Tornado | Sealy Austin Co. 19 morning In Sealy, about 40 miles west of Houston, fire started by lightning caused \$50,000 damage to the Sealy Room Company. The roof of the Sealy Hospital was damaged by the thunderstorm winds, and many trees were uprooted. | | | | | | | | | | | | | | | |
| Statewide 9 Afternoon and night Strong winds during thunderstorms damaged homes, barns, outbuildings, boats, boat houses, motor vehicles, trees, utilities, roofs, signs and other structures. Heavy rains caused soil erosion and local flooding in scattered areas damaging roads, bridges, and small grains. A woman suffered a foot fracture when her house trailer was blown over at Murrelly, Hickman County. Water got into 14 or 15 houses and a grocery at Harris Station, Obion County, and damage occurred at several other locations. | | | | | 0 | 1 | 5 | 3 | Wind and rain | Houston Harris Co. 19 3:00 a. The tornado touched ground about seven miles northeast of the center of Houston, at intersection of McCarthy Street and Old Liberty Road, and moved east-northeast for four to five miles down the old Beaumont Highway. The storm destroyed a large sign at a Gulf Service Station, moved a truck about 200 yards, badly damaged several buildings at a Brick Company, and blew trees onto the roofs of several homes in the vicinity of the brick yard. Trees on both sides of highway showed evidence of twisting and debris was strewn from brick yard as much as one mile upwind. Property damage was estimated at \$500,000. | | | | | | | | | | | | | | |
| Statewide 11-15 Heavy rains flooded lowlands in many scattered areas and caused a few families to evacuate their homes. Lightning damaged a TVA power substation at Lewisburg, Marshall County. Chief damage was to roads, bridges, and farmlands due to rains. | | | | | 0 | 0 | 5 | 3 | Rain and lightning | Baytown Harris Co. 19 3:05 a. The tornado touched ground about 3 1/2 miles northwest of the center of Baytown, and moved from west to east, to about 2 1/2 miles north of Baytown. Damage began near the Goose Creek Country Club and extended eastward to the Baytown Airport. The new clubhouse, under construction, was severely damaged, with lumber strewn for two miles. Debris definitely showed circular pattern. One hangar at the airport was unroofed. A local resident said the noise sounded like a freight train. | | | | | | | | | | | | | | |
| Mt. Juliet, Wilson County 20 5:00 p. Strong winds during a thunderstorm blew away an aluminum tool shed containing new farm implements and slightly damaged other farm buildings. | | 1/4 | 30 | 0 | 0 | 4 | 0 | Wind | Nederland Jefferson Co. 19 3:30 a-5:00 a. A strong squall line moved through Jefferson and Orange Counties during the early morning. Damage from the accompanying high gusty winds began about the China area west of Beaumont around 3:50 a.m. and continued eastward to the Orange-Sabine Pass area, ending about 5 a.m. Heaviest damage occurred in a trailer park on Highway 317 just north of Nederland. Five trailer homes were overturned or completely demolished. Fifteen persons were injured, six of these hospitalized. The violent winds struck the trailer park about 4:15 a.m. Damage to the trailers were estimated at \$70,000. Lesser damage occurred in the West Beaumont-Amelia area, and in China and Washbury. Only minor damage was reported in Orange County. In the West Beaumont-Amelia area, greatest damage was caused by trees blowing into houses. The U. S. Weather Bureau station at Nederland reported wind gusts to 69 mph at 4:15 a.m., and the Coast Guard station at Sabine reported a peak gust of 75 mph at about 4:50 a.m. | | | | | | | | | | | | | | | |
| Nashville, Davidson County 20 5:08 p. 3/4 inch hail was reported at Nashville Municipal Airport during a thunderstorm. | | | | | 0 | 0 | 0 | 0 | Hail | Near Sour Lake Hardin Co. 19 4:00 a. A tornado demolished some barns and out-houses, unroofed others, overturned television antennas, and uprooted trees along a path from the Westbury community west to the Circle 4 Ranch. At the Blake Mackan home, the tornado demolished a new barn, skipped over an old one, then dipped down to demolish another new barn. | | | | | | | | | | | | | | |
| TEXAS Taylor Williamson Co. 3 1:00 a-1:02 a. A severe hailstorm caused an estimated \$100,000 damage in Taylor. The damage was mostly to roofs and windows in the northwest section of the city in the area of Meadow Lane. Average size of hailstones was one inch in diameter. Largest stones were one and one-half inches in diameter. Winds accompanying the storm were estimated at 30 to 40 miles per hour. | | | | | 0 | 0 | 5 | 0 | Hailstorm | Near Beeville Bee Co. 19 11:30 p-11:45 p. A small tornado demolished a garage on the Gene Rosebrook farm about 12 miles northwest of Beeville. The storm moved from west to east along a path two miles long. Damage was estimated at 600 dollars. | | | | | | | | | | | | | | |
| Del Rio Val Verde Co. 3 5:51 p-7:08 p. Winds with peak gusts measured at 63 miles per hour unroofed a portion of the Frontier Motel, blew down three car ports, and caused roof damage to a building at South Main and Dignowity Streets. Winds also unroofed the building at the Oasis Driving Range and blew in a plate glass window at Kusentgerger Body works. Several fences were blown over and tree limbs were blown off. Property damage was estimated at \$5,000. | | | | | 0 | 0 | 4 | 0 | Windstorm | El Paso El Paso Co. 22 High winds, with peak gusts measured at 61 miles per hour, ripped off the roof of a porch and portions of the main house roof of a duplex at 3711 Alameda Avenue in El Paso. Four boys were slightly injured when the trees under which they were playing was blown down. The boys were playing at the Arreola home at 1307 East California Avenue. Wind gusts blew out the window of an automobile at 3500 Zircan Drive. Gravel was blown from the roof of a house, smashing both house and automobile windows at 8700 Dolomite Drive. | | | | | | | | | | | | | | |
| Gatesville Coryell Co. 8 9:00 p. A severe windstorm caused an estimated \$177,000 damage to property within a four mile radius of Gatesville. At the Tension Lumber Company, one mile east of Gatesville, the wind collapsed one lumber shed and unroofed another. Lumber from the yard was strewn across highway 84. At the Gatesville Commission Company in Westview addition, a 170-foot section of covered corral pens was crumpled by the wind. Seven boats were heavily damaged at the Anchor Plastics boat factory. The Friendswood Primitive Baptist Church was lifted off its foundation and dropped about 25 feet away. A drive-in movie screen and a 56-foot house trailer were shattered. Roof and T. V. antennae damage were widespread. A 280-foot television tower was leveled by the wind. Ten telephone poles were toppled along Highway 36 two miles southeast of Gatesville. | | | | | 0 | 0 | 5 | 0 | Windstorm | Upper Coast 27 night A shock wave, triggered by an earth movement, caused four to six feet waves along the Texas Coast. The earth movement, which started about 10 p.m., was apparently associated with the Alaskan earthquake. Damage was minor and no injuries were reported. A Marine Sales and Service dock at Beaumont apparently received the most damage, expected to run into the thousands of dollars. At least three vessels in the Houston ship channel broke from moorings. The wave varied in size as it rolled up canals, rivers, and bayous, but the Coast Guard and witnesses said it ranged up to six feet in height. Tides four feet above normal were reported for seven minutes at Sabine. The Coast Guard at Sabine Pass station recorded a two foot drop at 10 p.m. followed by a four foot rise and high winds that lasted 20 minutes. At Caddo Lake, 200 miles from the coast, Big Cypress Bayou rose about two feet and then fell more than two feet with debris, logs, and trash boiling up from the bottom of the river. Shortly before 1 a.m. on 28th, the tide surged up the Colorado River at Matagorda to | | | | | | | | | | | | | | |
| Midland Midland Co. 18 4:26 p. Tornado first touched ground about four miles west-southwest of Midland Air Terminal, partially destroying a sign, then went back into clouds. It touched ground again near Lee Senior High School in Midland damaging a barn and several sheds. Some marble size hail fell in northwest Midland and pea size hail fell in other sections of the city. Damage was less than \$10,000. | | **50 | 7 | 0 | 0 | 4 | 0 | Tornado | | | | | | | | | | | | | | | | |
| Batesville Zavala Co. 18 7:00 p. A tornado cut a swath one half mile wide and three miles long through the farming community of Batesville, southeast of Uvalde. The tornado moved from southwest to northeast along the Pearsall to La Pryor Highway. North of the line of path, the wind threw debris and pieces of barns and buildings in a northerly direction, and on the other side of the highway in a southwesterly direction. | | | | | 0 | 1 | ? | ? | Tornado, hail-storm | | | | | | | | | | | | | | | |

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1964

| PLACE | DATE | TIME | LENGTH OF PATH (MILES) | WIDTH OF PATH (YARDS) | NO. OF PERSONS | | ESTIMATED DAMAGE | | CHARACTER OF STORM |
|------------------------------------|-------|------------|--|--------------------------|----------------|---------|------------------|-------|--------------------|
| | | | | | KILLED | INJURED | PROPERTY | CROPS | |
| TEXAS (Cont'd) Upper Coast | | | | | | | | | |
| UTAH | | | None reported | | | | | | |
| VERMONT Statewide | 10-11 | | | | 0 | 0 | 4 | 0 | Snow |
| | | | Storm yielded 8 to 16 inches of snow over the state in one of the heaviest snow storms of the season. Continuous blowing kept main streets and highways open but traffic was slowed in all sections and some cars were abandoned where stalled in drifts. Airlines canceled flights on the 10th and morning of the 11th. A number of highway skidding accidents were reported. | | | | | | |
| U.S. VIRGIN IS. | | | None reported | | | | | | |
| VIRGINIA Most of State | 10 | | | | 1 | 3 | 4 | 0 | Wind |
| | | | Strong, gusty winds associated with a deep low pressure wave brought minor but extensive wind damage in the state. Numerous fires were fanned out of control, especially in the Richmond Forest District. One person was killed as a cement block wall gave way at Norfolk. A few injuries were reported in the Tidewater area. | | | | | | |
| WASHINGTON | | | None reported | | | | | | |
| WEST VIRGINIA | | | | | | | | | |
| Monongalia County | 4 | 2000E | | | | | 3 | | Windstorm |
| Between Weirton and New Cumberland | 4-5 | 2100-0300E | | | | | 3 | | " |
| Hamlin-Huntington area | 4 | 2130E | | | | | 2 | | " |
| Charleston | 10 | | | | | | 3 | | Windstorm |
| Charleston | 17 | | | | | | 2 | | Windstorm |
| Moundsville | 19 | 1200E | | | | | 2 | | Windstorm |
| WISCONSIN Southeastern Counties | 4-5 | daylong | | | | | 5 | | Snowstorm |
| | | | Up to 14 inches of snow fell on parts of area. Many of the main highways drifted closed, business hampered, schools closed in Waukesha, Manitowish, Sheboygan, Jefferson, Racine, Ozaukee, Walworth and Rock Counties. Ten died of apparent heart attacks. | | | | | | |
| WYOMING | | | None reported | | | | | | |

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

- ° 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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