

U. S. DEPARTMENT OF COMMERCE

JOHN T. CONNOR, Secretary

WEATHER BUREAU

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STORM DATA

MARCH 1965

Volume 7 No. 3



ASHEVILLE: 1965

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1965

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	
ALABAMA									
Colbert and Landerdale Counties	17	7:30a-8:00a	35	?	0	22	6		Tornado, wind, rain
									Tornado struck first in Tusculuma moved east-northeast across Muscle Shoals and Sheffield area, Willson Dam, Center Star and Anderson. Wind damage reported from several localities in both counties. About 60 houses destroyed, 400 houses damaged, 40 small businesses damaged and about 100 farm buildings destroyed or damaged. 75% of damage due to tornado, 20% to wind and 5% to rain.
Smiths Station, Lee County	17	3:30p			0	0	4	0	Hail
									Hail stones up to 2 inches in diameter damaged automobiles and roofs and broke windows. More than 100 stained glass windows in a church were broken.
Lauderdale, Limestone and Madison Counties	25	early evening			0	0	4	0	Wind, hail, rain
									A line of thunderstorms moving eastward caused scattered damage to farm buildings, a few houses and businesses, power lines and trees. Golf ball size hail fell for a brief period around Athens. High winds caused most of damage.
Union Springs, Bullock County	26								Funnel
									Funnel cloud aloft observed by pilot for about 5 minutes at location about 5 miles north of Union Springs.
Hale County	29	mid-afternoon			0	0	4	0	Wind, hail, rain
									Many rural tenant houses and farm buildings damaged over all sections of county. Hail the size of marbles reported. All damage due primarily to wind.
Tuscaloosa, Tuscaloosa County	29	2:00p							Funnel
									Funnel cloud observed briefly by State Trooper about 8 miles east of Tuscaloosa.
ALASKA									
None reported									
ARIZONA									
Phoenix (20 miles NNE)	11	10:37a			0	0	0	0	Funnel cloud
									Small funnel cloud not touching ground sighted briefly about 20 miles east-northeast of Phoenix Airport.
ARKANSAS									
Hot Springs, Garland County	1	3:00 a.	Short	Small	0	0	0	0	Wind
									Thunderstorms moving northeastward produced wind gusts of 70 mph. at the Municipal Airport.
Hartman, Johnson County	16	9:30 p.	Short	Small	0	0	4	0	Tornado
									Tornado occurred 2 miles east of Hartman damaging several buildings and power lines.
Malvern area, Hot Spring County	17	12:00 a. to 12:30 a.	1	200	0	0	4	0	Tornado
									Tornado occurred near Butterfield on Hy. 270, 4 miles northeast of Malvern causing major damage to one owner's property.
Crossett, Ashley County	17	4:00 a.	Large	Small	0	0	4	0	Wind
									Thunderstorms caused wind gusts up to 100 mph at the Crossett Airport. Most of the damage occurred at the airport, 4 planes and a hanger.
CALIFORNIA									
Los Alamitos	7	10 a.m.							Funnel cloud aloft
									Pilot reports seeing funnel cloud aloft near Los Alamitos NAS.
Seal Beach	10	11:15 A							Waterspout
									Pilot reports waterspout 7 miles southeast of Long Beach.
Oxnard 30 W	11	10 a.m.							Waterspout
									Pilot reports waterspout 30 miles west of Oxnard.
COLORADO									
Prowers County	16	1:01PM			0	0	0	0	Tornadoes
									An airline pilot reported 2 tornadoes south of the Lamar Airport. One of them traveled within 4 miles of the Airport before disintegrating. No damage was reported.
CONNECTICUT									
Statewide	29	6:00 a-10:00 p.			0	0	4	0	Glaze
									Freezing rain, following a day of snow, sleet and rain, suddenly made driving conditions unusually hazardous during the evening hours. The incidence of skidding accidents was much above the normal for this type of storm and included several 10-car accidents. Most of the accidents resulted in minor damage and injuries.
DELAWARE									
None reported									
FLORIDA									
Miami Beach Dade Co.	4	6:00 am			0	0	4		Wind
									Strong, gusty winds with thunderstorm caused considerable damage to boats and roofs in Miami Beach area.
Boynton Beach Palm Beach Co.	14	Unk.	Short	Narrow	0	0	4		Tornado
									Small tornado moved NNE through mobile home park northwest of Boynton Beach. One mobile home destroyed and several others damaged.
Homestead Dade Co.	19	11:40 am							Funnel Cloud
Gadsden County	19	6:00 pm	15	3*	0	0	4		Hail
									Hail, averaging 3/8 inches in diameter fell in Greenboro-Havana vicinity and damaged tobacco shades extensively. Hail covered the ground 3 to 4 inches deep in scattered spots within the affected area. Largest hail measured 3/4 inches in diameter.
Pensacola Escambia Co.	26	2:37 pm							Funnel Cloud
West Palm Beach Palm Beach Co.	30	Unk.							Funnel Cloud
GEORGIA									
Central	17	pm			0	0	5	0	Hail and wind
									Severe thunderstorms with heavy hail and strong winds hit several middle Georgia counties with heaviest damage in the area from Columbus to Macon. Roofs, automobiles and greenhouses were damaged by hail in Columbus and high winds damaged several homes, barns and other property in rural Taylor and Crawford Counties. Hail one to two and one-half inches in diameter covered the ground and caused extensive damage in parts of Macon. Windows were broken, roofs damaged and automobiles dented. One nursery suffered almost complete destruction of a large greenhouse and heavy damage to plants.
Brunswick	18	10:30 a	Short	Narrow	0	0	3	0	Tornado
									Small funnel moved a short distance after moving from over East River. Roofs, TV antennas, trees and power lines suffered light damage.
Southwest	19	pm			0	0	3	4	Hail
									Hail, ranging from one-half to one inch in diameter, fell in several southwest Georgia counties between 6:30 and 8:30 pm. The ground was covered to depths of two inches or more in parts of Thomsville and in Colquitt and Brooks Counties. Several fields of cabbage were destroyed and tobacco beds were damaged in some areas. Damage to property was generally light.
Newnan, Coweta County	23	9:40 p			0	0	4	0	Wind
									Winds heavily damaged one residence and caused lesser damage to several others. Several barns and other outhouses were demolished and numerous trees were uprooted or snapped off.
White Plains Greene County	23	11:55 p	5	150	0	0	4	0	Tornado
									A store was demolished and other buildings suffered minor damage.
HAWAII									
Central Oahu & Maui	30	12:50 p.-13:45 p.						3	C
									Hail
Northern & Eastern Kauai & Eastern Oahu	30-31	6:00 p.-to morning						1	3
									C
									Hail, rain, wind
									Unusually widespread fall of hail and accompanying thunderstorms, wind and driving rain hit Oahu hardest, battering crops in the Waiatus area, flooding fields, and threatening flashfloods in Kaneohe. Pundun, Oahu had 4-1/2" of rain in 1-1/2 hours. One home was damaged and a man injured.
IDAHO									
None reported									
ILLINOIS									
None reported									
INDIANA									
Indianapolis, 60 miles Southwest	28	7:10 p. EST			0	0	0	0	Funnel cloud
									Airline pilot report
Indianapolis, 15 miles South	28	7:25 p. EST			0	0	0	0	Funnel cloud
									Airline pilot report
Indianapolis, Eastern	28	8:30 p. EST			0	0	0	0	Funnel cloud
IOWA									
Near Story City	1	Early a.						4	Lightning
Oakland	1							4	Flooding
									52 cattle and 65 pigs drowned along East Nishnabotna River.
Charles City	1							5	Flooding
Missouri Valley	1							6	Flooding

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	
IOWA (Cont'd.) Iowa	1-2		Statewide		3	6			Blizzard with glaze
									Strong northwesterly winds and heavy snowfalls blocked highways and closed schools. Snowfalls 8-10 inches except 1-3 inches southern and eastern counties. Glazing across southern half state and eastern counties preceding snowfalls. Winds ranging from 35-60 mph. were reported.
Northern Two-thirds Iowa	17-18				1	4	6		Blizzard
									Snow 4-10 inches deep with strong northwesterly winds drifted roads shut, closed schools, stranded travelers, many in their cars along highways or in nearby farm homes. Winds were 50-60 mph. with gusts to 70 mph.
KANSAS									
Garden City (2 miles west)	16	4:30 p.	450	50	0	0	2	0	Tornado
									Funnel cloud moving from southwest to northeast touched down briefly.
South-Central	16	5:50 - 7:00 p.	30	100 - 500	0	5	5		Tornado
									A storm cell with at least one tornado and several (1 to 4) funnels moving up and down crossed the Kansas-Oklahoma line 5 miles south of New Haven. The tornado moved northeast about 45 mph hitting Genda Springs and continued northeastward to about 6 miles east of Winfield. A tornado apparently associated with the system touched down briefly between Latham and Beaumont, and a funnel cloud was reported at Udall. A microwave tower valued at \$120,000, a grain elevator, and several farm buildings were destroyed. Numerous other buildings were damaged.
Southern Cowley County	16	6:00 p.	?	?	0	0	?	?	Hail
									Hail stones up to the size of golf balls fell at Winfield, South Haven, and several other localities.
Milvane	16	6:15 - 6:30 p.	4	*3	0	0	6	2	Hail
									Hail stones up to 2 inches in diameter accumulated to a depth of 4 - 6 inches in some spots.
Gardner	16	7:00 p.	2	*2	0	0	?	0	Hail
									Largest stones were 1-3/4" in diameter.
KENTUCKY									
East	26-28						5	3	Floods
									Moderate to heavy rains caused some flooding and damage on the Tug and Lewis Forks of the Big Sandy River; minor flooding and little damage along several stretches of the Kentucky and Licking Rivers. A number of roads were closed due to water and mud slides.
South	28-29				?	?			High water
									24-hour rainfall totals varying from 2 to 5 inches closed a number of highways, chiefly in the south central and southwest sections of the State.
LOUISIANA									
Plaquemine Parish	1	5:45 a. - 5:50 a.	1/2	60-70	0	1	4	0	Tornado
									Tornado moved from WSW to ENE. At Buras, overturned 2 trailers, injured one child, downed microwave tower, damaged roofs, windows; twisted off trees and power poles, two poles twisted off 50 to 60 feet above ground; severest winds mostly roof-top level and above. Few minutes of hail just before storm hit, fell only in vicinity of path; uniform 1/2-inch size.
Win Parish	17	3:40 a.			0	0	4	0	Wind, funnel cloud aloft
									Thunderstorm winds twisted off trees, ripped roof tops, leveled sheds, a warehouse, and caused power outages. Storm moved from W to E, all trees blown down toward E. Most damage in one-mile area by 100-300 yards. Loud roaring noise heard; general belief of observers storm's main force remained high off ground. Moon reported shining 15 minutes after peak of storm; however, rain fell at intervals until daylight.
Morehouse Parish	17	About 4:00 a.			0	0	4	0	Wind
									Severe lightning and thunderstorm from SW about 3:00 a., moved NE; parts of parish had high winds, no funnel seen but roaring of wind heard. 2-1/2 S MER ROUGE: Two planes demolished, wing of one blown across highway, other blown through two chain link fences, small damage to house. 3 N GALLION: 4:15 a., cotton trailer overturned, shed partly blown away, house roof damaged. BONITA: 4:00 a., roof blown off house, some utility poles flattened, barn and tree blown down. Winds continued down Bonne Idee River. Power company reported damage in rural areas near Mer Rouge and Oak Ridge, lesser amount near Collinston.
State	20, 21				0	0	0	0	Cold
									Freezing temperatures killed practically all strawberry blooms and small berries; considerably damaged vegetable crops. Most tung tree blooms killed and 1965 tung nut crop up to 85% wiped out.
LOUISIANA (Cont'd.)									
Mississippi Sound	26	11:30 a.							Waterspout
									Waterspout reported 8 S Waveland, Mississippi (over Louisiana waters).
Sabine Parish	29	Before 3:25 p.							Turbulence aloft
									Extreme turbulence aloft 50 S Shreveport (31.6°N latitude, 93.8°E longitude). Pilot reported unable to maintain altitude between 7000-9000 feet mal.
Vernon Parish	30	12:25 a. - 1:00 a.			0	0	5	0	Hail, wind
									Damages reported Camp Anacoco to eastern Leesville, mostly in 7-8 mile by 1-1/2 mile area. Storm moved from SW towards NE. Marble to golf size hail damaged roofs, windows, and dented aluminum house siding. Some buildings and power lines damaged by falling trees.
MAINE									
State	26				0	0	0	0	Glaze
									Glaze reported from several areas, mostly in northern Maine.
MARYLAND									
Central and western counties, except Garrett County	5-7				1	0	4	0	Heavy rain, flooding
									Rainfall, up to over 3 inches within 24 hours on the 4th and 5th, caused basement flooding and snarled traffic by causing streams to overflow their banks in low-lying areas and by loosening mud slides. One death by drowning was attributed to the flooding near Frederick. Much of the damage was confined to cleanup measures.
Western Allegany and Garrett Counties	26				0	0	3	0	Glaze
									A coating of ice, measured 2 to 4 inches thick, snapped many trees, shabby and utility poles and wires, interrupting telephone and electric service during day. Fortunately, there was little or no ice accumulation on highways.
MASSACHUSETTS									
Eastern	20	PM			0	0	0	0	Snow, glaze
									A storm, in progress at the moment of the vernal equinox, dropped 2 to 5 inches of snow over most of Cape Cod and the eastern half of Massachusetts. In the northern sections freezing rain occurred briefly. As the snow partially melted on warm road surfaces, they became very slippery. A rash of traffic accidents resulted, with more than a score of injuries, mostly minor.
State	26	AM			0	0	0	0	Glaze
									Scattered reports of glazing.
State	29-30				0	0	0	0	Snow, glaze
									A late-season snowstorm yielded 1 to 8 inches on the 29th. Roads became very slippery from slush and a rash of accidents and traffic snarls occurred. Four deaths and many minor injuries were blamed indirectly on the storm. Snow changed to freezing rain in the evening. Glazing continued in many areas into the early hours of March 30.
MICHIGAN									
Entire state	17	3:00 a. - 17th 18 10:00 p. 18th					5		Heavy snow and high winds
									Heavy 24 hour snowfall amounts ranging from 4 to 12 inches accompanied by high winds up to 60 mph blocked numerous highways, roads and streets. Traffic was brought to a standstill in some areas. Blowing snow due to high winds reduced visibilities to near zero coupled with slippery roads due to the snow caused numerous car and truck accidents with heavy damages reported. Many schools were closed from Wednesday through Friday due to blocked roads and hazardous driving conditions. Window breakage in stores and homes due to high winds was reported.
MINNESOTA									
State	1-4				0	0	6	0	Rain, snow, wind
									Rain, freezing rain, and/or snow began late on the 28th and continued in varying amounts over most of the state through the 4th. Heavy run-off caused record flood cresting along the Zumbro and Root rivers. The flood damaged virtually every home in the community of Houston. Seven families declared eligible for federal disaster loans. - Mower, Houston, Fillmore, Olmsted, Dodge, Freeborn, and Winona. In southern metropolitan areas ice-blocked culverts caused extensive local flooding. National Guard called into St. Cloud to help dig out after a 22 inch snowfall. High winds caused heavy drifting and closed highways in many areas. On the 1st and 2nd occupants of about 400 cars were stranded on Highway 10 near Rice. Hundreds of schools closed, many for the first time since the 1930's. Mainly flooding, for more details please refer to Climatological Data Bulletin, National Summary.
State	17-18				1	0	?	0	Blizzard
									Blizzard conditions covered all but the extreme northwest section of the state for two days before giving way to extremely cold seasonal temperatures. The snow drifted so high on Highway 60 between Mankato and St. James that officials considered the use of dynamite to break up the high banks. Drifting snow closed some secondary roads for such a long period that many dairy farms were forced to dump milk. At Sturgeon Lake a man lost his way in the storm and froze to death. Hundreds of schools around the state were again forced to close, the second time this month.

See reference notes at end of table.

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MISSISSIPPI Walsh County	1	6:25 a. - 6:30 a.	6	100- 400	0	0	4	0		Tornado
										Small tornado dipped several places in Enos area, moved from SW towards NE. Rainy weather. Funnel not observed, of "very short duration", however "it sounded like a jet plane, and the air looked like black smoke as it was making a path up Highway 583". Several buildings blown down, two barns unroofed, power lines down, trees uprooted.
Washington County	1	10:50 p.			2	0	3	0		Lightning
										Near Chatham, lightning struck and set fire to tin-roofed home. Seventy five-year old woman and four-year old child burned to death, five other occupants escaped before structure collapsed.
Union and Prentiss Counties	17	6:00 a. - 6:30 a.	15	1000- 250	0	10	5	0		Tornado
										Funnel cloud touched down near Alpine community, went towards Bethany-Jerico Road, where 50-ft. trailer home was turned over twice and crumpled; man received cuts, wife and son bruised. As tornado moved NE, thunder came in constant beat and heavy roaring sound could be heard at Baldwin, 6 miles away. Most extensive damage in Prentiss County along Highway 30 for about 2 miles W of Frankstown. Family saw funnel shaped cloud approaching from SW, sought shelter in milk storage room of barn; man and 2 daughters received minor cuts from flying glass as barn almost demolished and debris strewn several hundred yards. Cows in another destroyed barn reported blown several hundred yards, some injured. FRANKSTOWN: Resident said "It was the first time I ever saw rain blowing horizontal to the ground". Twelve homes damaged, 2 destroyed, and considerable other property damage.
Chickasaw County	17	6:30 a.			0	0	4	0		High winds
										Winds, accompanied by lightning and heavy rain, hit Houston area. Widespread reports of TV antennas blown down, roofs ripped off, barns demolished, and garages hit. Some trees downed and electric power disrupted. At airport, 5 planes damaged and 2 practically ruined. OKOLONA: Telephone service partially interrupted.
Alcorn County	17	6:45 a. - 7:00 a.	1/2	200	0	0	4	0		Tornado
										Small tornado along western edge Kossuth moved NE. Man saw funnel cloud set down on his farm, "There was a roaring sound and things started flying through the air"; his barn totally demolished, portions found over mile away. Woman 200 yards from barn said, "I heard a loud noise then saw the barn broken into thousands of pieces". Her home was moved about foot off foundation; to W, 3 outbuildings demolished. Less serious damage to number of homes and outhouses. Up to several miles away, trees and television antennas toppled, roofing ripped from homes and buildings. At least 3 barns demolished.
Prentiss and Tishomingo Counties	17	To about 7:15 a.			0	0	4	0		Wind
										Storm travelled from SW to NE, accompanied by high winds and heavy rains. At 10 E Booneville (Hobo Station), shed blown onto roof of nearby cotton gin. MIDWAY: Community reported some wind damage. IUKA: Damage reported in vicinity of Old Airport Road, south of Highway 72. EAST IUKA: Jones Subdivision, over 38 homes damaged; area hardest hit was 1/4-to 1/2-mile strip on Highway 72 East, trees uprooted, roofs damaged.
Monroe County	17	7:15 a. - 7:30 a.	5	440- 20	0	1	4	0		Tornado
										Tornado tore up trees as it touched down in swamp 1 SW intersection Highway 45 and Columbus Airbase Road; moved NE, at times went aloft although path was marked by stubs of broken trees and debris, utility lines downed; last place hit was home over mile E of Old Hamilton. Man about 100 yards to S of demolished auto repair shop reported, "It got real dark, and then the roaring began. We dropped to the floor and couldn't see what was happening, but we could hear the building coming apart". Woman felt house quiver, then roof was carried away and walls partially caved in, she was bruised, and cut slightly by flying glass. About 20 homes damaged in Hamilton area, number of outbuildings and barns demolished.
Southern portion	20, 21				0	0	0	6		Cold
										Inland, away from near Gulf Coast, freezing temperatures damaged crops and flowers in bloom. Much of the tung tree blooms killed and about three-quarters of 1965 tung crop wiped out.
Neshoba to Lowndes Counties	25	Evening			0	0	4	0		Tornado
										Thunderstorms and severe winds whipped through widely separated areas. Small tornado said to have shipped across East Central Mississippi. Reports from Highway Patrol: NESHOPA COUNTY: House, 7:30 p.: Several homes blown off blocks, barn flattened, trees and power lines downed. NOKUBEE COUNTY: Brooksville: Few barn roofs blown away. LOWNDES COUNTY: S. S. Columbus, about 8:00 p.: High wind and pea size hail.
Harrison County	26	11:35 a.								Funnel cloud aloft
										Biloxi: Funnel cloud observed to W of Keesler Air Force Base, moved to E and remained aloft.
Northern portion	27, 28, 29				0	0	5			Heavy rain
										Heavy rains flooded much bottom land, planting delayed. Many rural roads studded with holes, some sections washed away.
MISSISSIPPI (Cont'd.) Clay County	28	About 5:45 p. - 6:30 p.			0	0	5			Hail
										Slow moving thunderstorm, accompanied by heavy rain, brought flood conditions in county. Originated in western part of county and moved eastward. Hail damage reported in West Point and area about 2 miles to W and NW. Hardest hit area along Highway 50 just W of West Point. Hailstones ranged from marble to baseball size, ground covered 2 inches deep many places, 4 inches several sections, one auto skidded off ice slick road. Hail dented cars, broke windows, damaged roofs, destroyed neon signs, stripped leaves from young trees and pounded many flat.
MISSOURI St. Joseph, Buchanan County	16	evening								Thunderstorm
										Lightning damage to two homes.
Southwestern Missouri	16	mid- evening								Thunderstorms
										Hail, 1-3/4 inch diameter 25 NW of Springfield at 9:10 pm. Golf ball size hail 10 E Asbury, 8:10 pm. Heavy rain, small hail, strong wind at Aurora at 10:55 pm. Hail, strong wind, heavy rain at Lamar.
Kansas City, Jackson County	16	8:30 pm								Funnel Aloft
										Funnel aloft near Swope Park. Some power lines down.
MONTANA										None reported
NEBRASKA										None reported
NEVADA										None reported
NEW HAMPSHIRE Central and Southern	26	Midday			0	0	0	0		Glass
										Glass from freezing rain or drizzle in many areas.
Southern portions	29- 30				0	0	0	0		Snow, glaze
										Storm of March 29 yielded 2 to 3 inches of snow. In some localities this was the heaviest snow of the entire season. Roads became slippery and hazardous. Precipitation changed to freezing rain in evening, continuing briskly into the 30th.
NEW JERSEY										None reported
NEW MEXICO										None reported
NEW YORK										None reported
NORTH CAROLINA Beaufort County	5	12:45am					5	0		Electrical
										Lightning set on fire and destroyed a large lumber plant at Belhaven.
Craven, Jones, & Pamlico Counties	17	9:50 - 10:30 pm	35	100	2	100	6	0		Tornado
										Tornado struck Pollockville, killing a ten year old boy, injuring several persons and destroying or severely damaging 40 homes; moved northeastward into Craven County, striking the New Bern airport and nearby residential areas at 10:15 pm, destroying or damaging 27 aircraft, 29 house trailers, and most of the buildings in a ten block area. About 20 people were injured in this area. Tornado continued moving northeastward across Pamlico County, destroying homes, schools and other buildings near Broad Creek, Reelsboro, Grantsboro, Alliance, Bayboro and Mesic. Near Reelsboro an infant was killed and several other persons injured when their home was demolished. Large trees twisted off several feet above the ground marked the skipping path of the tornado in all three counties.
Beaufort, Carteret, Dare, Duplin, Edgecombe, Franklin, Guilford, Lee, Lenoir, Moore, Nash, Robeson, Wake, Wayne Counties	17	7-11 pm					6	4		Wind, Hail, Electrical
										General windy weather (in addition to the tornadoes reported above) associated with a vigorous low pressure storm passing to the north. Recorded gusts of 50 to 85 miles per hour at several airports. Widespread damage to frame buildings many, especially tobacco barns, completely demolished. Some cement block structures also damaged. Scattered hail and one or two instances of lightning-set fires. Some damage to tobacco plant beds from wind and hail.
Suncombe, Caldwell, Haywood, Jackson, Madison, Yancey Counties	25- 26						5	4		Rain
										Heavy rains caused flash floods, resulting in washouts to streets and highways and Valley farms over a considerable area of western North Carolina. Several bridges destroyed. Low places flooded in several areas; some homes invaded by high water.
Clay County	28	1 am					4	0		Wind
										High winds struck near Hayesville, destroying a large poultry house, a warehouse, and several power poles.

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NORTH DAKOTA	16-18	Evening 16th inc.							
									Blizzard entered North Dakota late on the 16th and overspread west and central portions by the 17th. The storm developed into a severe blizzard over the southeast on the 17th and continued through the 18th. Winds, gusting as high as 75 mph on the 17th, blew dust and snow. Heaviest snowfall was in the Fargo area.
OHIO									
Springfield	17	5:04 PM	1	30	0	0	4	0	Tornado
									During the passage of a heavy thunderstorm, a small "twister" suddenly hit in the southeastern suburbs of Springfield. Principal damage was done at a single address at 1492 S. Burnett Rd. A large maple tree was lifted from the ground, and the front porch was torn from the house. The only other place where damage was sustained was on the next ridge, a mile distant to the northeast. There a house was shifted on its foundation and a small trailer was toppled.
									Squall-line thunderstorms, accompanied by strong, gusty winds, also occurred over most of the state. Power lines were downed over much of northeastern Ohio; there were a few lightning fires; and light planes were "clipped" over at both Cleveland and Columbus where gusts up to 80 mph were observed.
OKLAHOMA									
Stilwell, 88, Adair County	1	1:00a.			0	0	4	0	Electrical
									Lightning ran in on a TV antenna with the resulting fire destroying a rural home and most of the furnishings.
Canadian and Logan Counties	16	3:35p.-5:00p.	50	7	0	0	2	0	Hail
									Thunderstorm moved northeastward across Counties. Hail was scattered with 3/4- to 1 1/2-inch size covering 75% of the ground 1 mile east of El Reno at 3:35 p.m. to 3:40 p.m. Stones up to 3/4-inch size fell 1 1/2 miles north of Guthrie at 6:25 p.m. to 6:35 p.m. Some glass and storm door damage reported near Coyle where hail of 3/4- to 1 1/2-inch size fell at 4:50 p.m. to 5:00 p.m.
Selling, near, Dewey County	16	3:40 p.							Funnel aloft
									Funnel aloft sighted 6 miles east of Selling.
Grant and Kay Counties	16	4:30 p.-6:05p.	53	100 - *3/4	0	2	*5	0	Funnel aloft, tornado, and hail
									A tornado formed from 2 funnels aloft and first touched the ground 5 1/2 miles south-southwest of Nash at 4:40 p.m. where Liberty Church and barnage were blown away along with a steel granary. The storm moved northeastward and was observed on the ground twice south of Nash before pulling back up into the clouds east of Nash about 4:55 p.m. The fast movement of the storm was noted by the numerous touch-downs of the tornado. It passed 2 miles north of Jefferson at 4:55 p.m. and caused heavy damage along a 6-mile path from US 81 3 miles south of Madford to US 64 4 miles east of Madford where 5 farmsteads were heavily damaged and 1 lady injured. Greatest damage occurred along a 9-mile path from 5 miles northwest of Deer Creek to the Grant-Kay County line 5 miles south of the Kansas border. One man was injured 6 miles northeast of Deer Creek when he was caught inside his house which was blown away. Of the 15 farmsteads hit in the Deer Creek area, 6 were destroyed and 3 received major damage. Other damage included 16 farm buildings which were destroyed and 2 others damaged. In the extreme northwest corner of Kay County 10 summer cabins and trailer homes were destroyed at Lake Blackwell and 70 power poles were downed which caused outages to 20 families. Just north of Brame a 262 ft. microwave tower, rated to withstand 175 MPH winds, was toppled at 5:53 p.m. A nearby compressor station had 1 home and a 150 ft. cooling tower destroyed while the station lost much of its roof. The tornado blew down signs along IH 35, 3 miles north of Brame and was last sighted on the ground 1 mile south of the Kansas line just east of IH 35 and was moving northeast. Scattered heavy hail fell for 5 to 20 minutes along most of the storm path across both counties. At Nash 3/4- to 2-inch size hail covered the ground 1 to 2 inches deep at 4:30 p.m. with some fist-size clusters of hail containing about 5 stones each. Hail up to 1-inch size covered the ground 8 miles southwest of Wakita. Madford recorded less than 25% of coverage of 1 1/2-inch size hail at 5:20 p.m., while some property and tree damage occurred at Benrow from 1 1/2-inch size hail at 5:30 p.m.
Wilson, near, Carter County	16	4:43 p.-4:48 p.	?	?	0	0	?	0	Hail
									Some hail up to 1-inch size damaged a few buildings in a rural area 3.5 miles south-southeast of Wilson.
Northern Murray County	16	5:18 p.-6:00 p.	11	*2	0	0	5	0	Funnel aloft and hail
									A small funnel aloft lowered briefly out of the clouds 1/2 mile southwest of Davis and pulled back up without hitting the ground. Roofs and windows were damaged along a 5-mile path across the Davis area. Hail varied from 3/4- to 2-inch size and covered the ground 1 inch deep in places. A few stones varied up to 3-inch size. The storm moved northeast and also pelted the Iona area where 25% of the ground was covered with stones up to 2-inch egg size.
OKLAHOMA (Cont'd.)									
Konawa-Vamosa area, Seminole County	16	5:50 p.-6:10 p.	10	*6	0	0	3	0	Hail
									Five-minute hailstorm moved northeast along path scattering hail up to 1 1/2-inch size. Heaviest damage was to several dwellings and a school at Vamosa.
Noble County	16	6:35 p.-7:25 p.	18	30 - 500	0	0	4	0	Tornado
									A funnel aloft swooped low across a farm 5 miles south-southeast of Perry between 6:35 p.m. and 6:40 p.m. and tore some shingles from a home, lifted a heavy metal lid and unroofed a water well pump house before rising aloft. This same funnel continued slowly northeastward and hit down 3 miles west and 1 mile north of Morrison. It skipped 4 miles across 5 farms tearing out fences, damaging 2 barns, 4 outbuildings, and a wind mill before raising back in the clouds 3 miles north of Morrison.
Fairfax, Osage County	16	7:30 p.	?	?	0	0	0	0	Hail
									Hail fell in the Fairfax area and almost covered main street with a few stones varying up to 1 1/4-inch size. No damage reported.
Pawhuska, near, Osage County	16	8:00 p.	2	50	0	0	4	0	Tornado
									A tornado struck at a farm 5 miles west of Pawhuska where a home was damaged, 3 barns and 2 outbuildings destroyed and 2 horses killed. It carried parts of the barns 2 miles to the northeast where it dipped down again to Lake Elveston and damaged about 20 boat houses and docks. Fences and power lines were also torn down.
Salina, near, Mayes County	16	9:45 p.-10:10 p.	4	?	0	0	0	0	Hail
									Hail up to 1 1/2-inch size first covered the ground 1 inch deep 3 1/2 miles south-southwest of Salina. The storm moved north-northeast and also provided a 50% coverage over the area 1/4 mile north of Salina.
Hobart, Kiowa County	16	10:01 p.	?	?	0	0	0	0	Hail
									Hail up to 3/4-inch size reported by Hobart FIA personnel. No damage reported.
OREGON									None reported
PACIFIC AREA									None reported
PENNSYLVANIA									
Central Counties	5th	All Day					6		Snow
									Damage to utility lines and trees from the heavy wet snow, which accumulated to depths of 14 to 16 inches, was placed at \$750,000. Nearly 3000 customers were without electric and telephone service for up to 72 hours. Broken tree branches falling on building roofs damaged a number of homes in the area.
Erie and Fayette Counties	17	Afternoon & Night					5		Wind
									Winds of 60 to 80 mph downed many trees and utility lines. The trees which fell against buildings in turn damaged a number of homes. Near Uniontown a 3-bar garage was unroofed and buckled a 300-foot radio transmitting tower. In the Erie area several cinder block walls were blown down.
PUERTO RICO									None reported
RHODE ISLAND									None reported
SOUTH CAROLINA									
Columbia, Richland County	13	1:37 p			?	0	?	0	Landslide
									Supposedly due to excess rainfall, fill caved in, burying 7 men working on retaining wall.
Anderson, Anderson County	17	4:40 p			0	0	0	0	Funnel Aloft
									Observed to pass over southwest Anderson.
Clinton, Laurens County	17	Late Afternoon			0	0	5	?	Hail
									Hail, size of golfballs, did extensive damage to roofs, windows, and shrubbery, with Presbyterian College receiving very heavy damage to a number of buildings.
Chester, Chester County	17	6:30 p			0	0	?	?	Hail
									Hail up to 2 inches pelted area causing some damage.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1965

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
SOUTH CAROLINA (Cont'd.) Lydia and Darlington to Dillon; Darlington, Florence, Dillon, Marion and Marlboro Counties	17	7:45 p-9:00 p	40	300/1200	0	0	6	?	Hail, small tornado, wind	
	Large hail accompanied squall line, spawned tornado which touched down briefly at Letta, twisting and breaking metal railroad gate in three places. Thousands of windows broken with extensive damage to roofs and automobiles, due to the hail occasionally as large as baseballs. Substations not mentioned above but reporting hail this date include: Johnston 2 SSW, Manning 2 NW, Lake City and Sandhill Experiment Station.									
	Beaufort, Beaufort County	24	6:10 p			0	0	4	?	Windstorm
	Wind wrecked two aircraft, carried hangar roof 350 yards.									
Near intersection US 21 and SC 555, Richland County	26	10:15 a			0	0	0	0	Tornado	
Small tornado touched down briefly, doing minor damage.										
Chester, Chester County	26	9:00 a			1	2	3	0	Rainstorm	
Passenger of auto killed instantly when auto struck a parked car during heavy downpour in Chester.										
Near Effingham, Florence County	26	10:40 a			0	0	3	0	Tornado	
Funnel observed moving west to east near tree tops. One tobacco barn destroyed, some roof damage to other buildings.										
Central and Northeast Lowlands	Mar.				0	0	?	?	Flooding	
General rains kept streams near or above flood stage much of month, with lumbering along mid and lower Pee Dee suspended all month. The popular commercial and sport shad fishing also ruined.										
SOUTH DAKOTA STATEWIDE	16-17	Late 16 All 17 Day							Blizzard and Heavy Snow	
Blizzard conditions extended over state with snowfall generally 1 to 3 inches in western and central parts of state but ranged to 10 inches in extreme east. Winds of 35 to 50 M.P.H. caused considerable drifting which reduced visibility to nearly zero in many areas. Traffic was paralyzed in much of east resulting in closed schools and curtailment of other activities.										
NORTH AND CENTRAL	27-28	Late 27 Most 28							Heavy Snow	
Total snowfall amounts mostly 4 - 10 inches. Wind light.										
TENNESSEE Statewide	3-6	Several periods			0	?	?	?	Snow	
Most sections reported 1 or more periods with rain, sleet and/or snow, separately or mixed, resulting in hazardous traveling conditions. Snowfall accumulation, 2 to 4 inches blanketed most of State. Some northern counties received up to 6 inches. Near end of period temperatures were below freezing with strong winds drifted the snow to 4 to 6 feet across many roads. Schools closed and numerous traffic accidents were reported.										
Lawrenceburg, Lawrence County	17	8:20 a.	2	50	0	0	5	0	Tornado	
Severe thunderstorms crossed the State in connection with a fast moving squall line accompanied by a scattering of small tornadoes to Middle and East Tennessee. A small tornado traveling in a northeast direction first touched down near the Lawrenceburg Rosemont Elementary School where about 725 students were moved into the basement before the storm struck. Nearby trees were uprooted and tossed a distance of about 50 yards, utilities and a section of the school roof was badly damaged. Numerous windows were shattered. Next and hardest hit was Charles Lambert's farm house and two large barns were completely destroyed. No injuries have been reported.										
Pulaski near, Giles County	17	7:30 a.	Short	Narrow	0	0	5	0	Tornado	
Strong winds, which included at least one confirmed tornado did widespread damage to property in practically every community of Giles County. In the southern section, including Minor Hill, Bethel, Conway and Elkton communities experienced heavy damage to houses, farm buildings, utilities and poultry. A small tornado dipped down on Earl Moore's farm 10 miles north of Pulaski inflicting \$3000 property damage.										
Gladeville area, Wilson County	17	9:00 a.	?	?	0	0	?	0	Tornado	
A small tornado caused minor damage on a farm to two barns, uprooting trees, power lines and other farm out-buildings.										
Warren County	17	8:00 a.	1	50	0	1	4	0	Tornado	
A small tornado moving in a northeast direction dipped down on the community of Riverside, 7 miles north of McMinnville. A man suffered minor cuts when the roof of a newly constructed store was blown off. Heavy rain added to the damage.										
Doyle, White County	17	9:30 a.	2	75	0	2	5	0	Tornado	
Funnel sighted as tornado demolished Hickory Valley Cash Market. Several roofs destroyed. A Mack trailer truck was pushed off the highway and overturned.										
TENNESSEE (Cont'd.)										
Wartburg area, Morgan County	17	Noon	Narrow	Short	0	0	3	0	Tornado	
Suspected tornado in heavy thunderstorm destroyed or damaged several farm buildings and farm equipment.										
Bedford, Cookeville, Hickman and Putnam Counties	17	a.m.			0	?	?	?	Wind, rain	
Strong winds accompanied by excessive rain fell trees, power lines and damaged numerous roofs and shattered windows.										
Knoxville, Blount County	17	11:47 a.	?	?					Tornado	
Two aircraft report sighting tornado 30 miles southwest of Knoxville. Radar reported intense cell same location. No other reports received.										
East and Middle Tennessee	24-26				0	sev-eral	7	0	Heavy rains, wind and flooding	
A slow moving frontal system, accompanied by severe thunderstorms, strong winds and torrential showers caused many communities to experience water and/or wind damage. Up to 5-6 inches of rain in 48 hours occurred in many sections with brief periods of wind to 70-80 mph. Hardest hit was Sevier County, where flash flooding surpassed 1963 levels. The Little Pigeon River overflowed into scores of homes and business buildings and 200 families were forced to evacuate their homes. Residents in Sevier County claimed this was the worst flood since 1896, when the river crested at 16.8 feet, 0.6 foot above the present flood stage. Flooding of numerous streams throughout the area damaged streets, bridges, highways, business and residential areas and eroding on farmlands. Six miles southeast of McMinnville in Warren County on March 25; 6:30 p.m., one person was seriously injured when her house trailer was swept from its concrete block mounting by strong winds and tossed 60 feet across the highway. At 7:15 p.m. severe thunderstorms and high winds raked the towns of Manchester and Tullahoma in the adjoining county of Coffee. Unusually heavy and sustained winds downed trees, damaged roofs of buildings and shattered numerous plate-glass windows. Three persons were reported injured in the county. Property damage in Manchester was estimated at \$200,000 and \$10,000 in Tullahoma.										
Greenville, Greene County	29	p.m.			0	1	3	0	Lightning	
Woman was struck by lightning while asleep in bed, igniting bed covers.										
Near Nashville, Davidson County	29	a.m.			0	0	0	0	Hail	
1/4 inch hail reported in areas 10 miles northeast and 55 miles west of Nashville during thunderstorms.										
TEXAS										
Texas City Galveston Co.	1	4:00 p-4:15 p	?	?	0	0	?	0	Hailstorm	
Hailstones averaging about one-half inch in diameter pelleted Texas City and La Marque for about 15 minutes causing minor damage. Largest stones were one inch in diameter. Some window glass was broken and a few automobile windshields were chipped. Several convertible model automobile tops were damaged.										
Laredo Webb Co.	13	morning	?	?	0	0	?	?	Hailstorm	
Marble size hail pelleted the Heights section of Laredo for about 15 minutes causing minor damage. Heavy damage to young cantaloupe plants was reported in the outlying area.										
Stephenville Erath Co.	16	6:15 p-8:15 p	18	4 1/2	0	0	?	?	Hailstorm	
Hailstones varying in size from a golf ball to a grapefruit and chunks of ice as large as a man's fist ripped roofs, broke windows and killed livestock in an area of Erath County from Dublin, Herbin, and Lone Oak communities to about five miles east of Stephenville. At the Kenneth Lockhart Poultry Farm eight large chicken houses were punched full of holes, 50 pigs were killed, a pickup truck damaged, and chunks torn from the roof and one side of a residence. At the Valley Grove Baptist Church, 14 stained glass window panes were broken. Severe roof damage occurred to a number of buildings and residences. A large twin-engine luxury aircraft, owned by H. C. Fruenau was pock-marked by the falling ice at the Stephenville Airport. Trucks belonging to Hayden Pittman suffered \$3000 damage. "The truck cabs looked like someone had beat on them with a hammer," according to Mr. Pittman. Witnesses reported that most of the hailstones were flat instead of round. Severe hail damage occurred in the east side of Dublin. Windows were broken and automobile bodies dented. Fifteen windows in the First Baptist Church were cracked by hailstones. Ernest Shillenburg measured a hailstone which was five and one-half inches in diameter.										
Point Rains Co.	16	6:50 p							Funnel aloft	
10 S Alledo Parker Co.	16	evening							Funnel aloft	
Hill and Navarro Counties	16	9:00 p-9:30 p	10	50	0	1	4	0	Tornado, windstorm	
A tornado touched ground about four miles south of Mertens in Hill County, near the Irene Community and moved northeastward to south of Frost in Navarro County. Most of damage occurred in the area about 3.5 miles south of Frost. Three homes were demolished, two were damaged, and three barns were destroyed. One person was injured. In Corsicana a windstorm caused considerable damage to the Greenbriar Apartments on Beverly Drive East Circle. Brick were blown from a large section of the south wall. Two automobiles were damaged by the falling brick. One										

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1965

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED ¹ DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
TEXAS (Cont'd.)										
			house on Ficklin Street was blown off its block foundation. Additional damage consisted of split trees, television antenna blown over, and twisted or shattered billboards.							
Tyler Smith Co.	16	11:00 p	**600	150	0	1	5	0	Windstorm	
			A severe windstorm struck business and residential property on East Erwin Street in Tyler, and about a two city block area near Clayton Street. One woman suffered a cheek gash, which was the only injury reported. Mrs. T. D. Caldwell, at home with her 19-month-old son when the storm struck, was blown from a hallway into a nearby bedroom. The home's doors were sucked open by the sudden wind and its roof lifted and slammed down on the house. Neither Mrs. Caldwell nor her son were injured. Heaviest hit of six business firms were the East Texas Auction Service and the John Deere Tractor Co. The American Red Cross estimated 10 to 20 residences were damaged. Total property damage was estimated at \$100,000.							
Dallas Dallas Co.	29	night			0	1	4	0	Lightning	
			Lightning stunned one man, age 75, and set fire to five homes and businesses in Dallas. Mr. G. S. Stephens was stunned when "lightning flashed around him" as he shut his garage door at 1815 Dudley in Oak Cliff. Mrs. Stephens said her husband was unable to talk for five minutes after the ordeal but recovered with only a headache, "roaring and popping of his ears," and tingling of the hands and feet. He was released after treatment at Methodist Hospital. Lightning started fires at residences at 8404 Bellingham, 6719 Brooklawn, and 2423 Lanark. The metal roof vent at the Proctor and Gamble soap plant, 3600 South Lamar was also struck, causing a small fire. A Dallas Power and Light transformer was hit and set afire at 7700 Blossom.							
Nueces Co.	30	5:30 a - 5:40 a	8	15	0	0	4	0	Tornado	
			A small tornado touched ground about three times west of Corpus Christi. The tornado first hit one-half mile south of Agua Dulce damaging a tenant house owned by Mr. D. Swilling. It then struck a tractor shed and garage on the Perry Foundation property 8.5 miles southwest of Robstown. It hopped across a road and damaged a tool shed and garage at the Puenticitas Oil Company. Total damage was estimated at \$10,000. The tornado moved from west to east.							
San Antonio Bexar Co.	30	8:45 a.			0	0	4	0	Lightning	
			Lightning struck a two-story barracks building at Lackland Air Force Base resulting in a fire which caused \$20,000 damage.							
20 NE Groveton Trinity Co.	30	morning	?	?	0	0	?	?	Tornado	
			A tornado dipped down in the Tread and Nigton settlements, 20 miles northeast of Groveton, damaging several homes and barns, and timber. No estimate of damage was available.							
Buna Jasper Co.	30	morning	?	?	0	0	5	0	Windstorm, hailstorm	
			Several trailer houses were overturned, 11,000 chickens killed at the Marvin Franklin Broiler Farm, power line poles snapped, and large trees uprooted, and heavy roof damage occurred in Buna as the result of a severe wind and hailstorm. Largest hailstones were the size of hen eggs. Property damage was estimated at \$100,000.							
Near Baytown Harris Co.	31				0	0	4	0	Lightning	
			Lightning struck two oil storage tanks belonging to the H&H Supply Company near Baytown. The ensuing fire caused \$12,000 damage.							
UTAH										
None reported										
VERMONT										
Southern and central sections										
	26	Midday			0	0	0	0	Glaze	
			Surfaces became ice coated from freezing rain.							
State	29	PM			0	0	0	0	Glaze	
			Freezing rain in scattered areas, occurring at end of a snowfall of 1 to 8 inches over most of State.							
U. S. VIRGIN IS.										
None reported										
VIRGINIA										
None reported										
WASHINGTON										
None reported										
WEST VIRGINIA										
None reported										
WISCONSIN										
Statewide	17-18	all day							Snowstorm	
			The worst blizzard of the season began early March 17 and lasted into the afternoon of March 18. Most public and parochial schools, University and Colleges closed.							
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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