

U. S. DEPARTMENT OF COMMERCE
JOHN T. CONNOR, Secretary
WEATHER BUREAU
ROBERT M. WHITE, Chief

STORM DATA

JANUARY 1965

Volume 7 No. 1



ASHEVILLE: 1965

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1965

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA			None reported						
ALASKA		No report received by printing headline							
ARIZONA									
Maricopa and Pinal Counties	5-7				0	0	0	6	Rain
		Heavy rains over a three-day period damaged about 1/5 of the approximately 15% portion of unpicked winter cotton crop. Heaviest damage was in Maricopa County.							
Phoenix	7				0	0	4	0	Rain
		Runoff from heavy rains caused construction damage to the Black Canyon Highway at the Cactus Road underpass.							
Tucson	20	Afternoon			0	2	0	0	Lightning
		Two workmen were injured when lightning struck a 60-foot fir tree from which they were removing Christmas ornaments.							
ARKANSAS									
Blytheville area, Mississippi County	9	Night	35	* 17	1	0	6	0	Storm and wind
		Rain changed to ice and snow over north half of Mississippi County. Wind then caused considerable damage to power and telephone facilities along with large amounts of trees and roads. Greatest damage in Blytheville area and Monette - Lake City - Black Oak areas. Repairman killed by live wire at Monette.							
Corning area, Clay County	23	5:30 p.	9	Small	0	0	3	0	Tornado
		Tornado was first reported in the Hickoria area moving to 1/2 mile west of McDougal towards the Missouri - Arkansas border.							
Jonesboro area, Craighead County	26	3:00 a.	?	?	0	0	2	0	Funnel cloud and wind
		Funnel cloud moved over Bay, about 8 miles southeast of Jonesboro.							
Murfreesboro area, Pike County	26	Evening	?	?	0	0	5	0	Tornado
		Tornado reported doing damages to brickler houses.							
CALIFORNIA			None reported						
COLORADO									
Northeast	27	Afternoon			0	4	4	4	Wind
		Strong gusty winds starting about noon caused much damage over northeastern Colorado. Winds were strongest along the eastern slope adjacent to the mountains. Some peak readings were: Fort Collins 73MPH at 3:00PM, Denver Airport 54MPH at 8:00PM, Pueblo 42MPH at 1:00PM and unofficially, 87MPH at Rocky Flats, northwest of Denver, at 1:37PM. Four men were injured by wind caused accidents while working on construction, 2 in Denver and 2 in Boulder. There was extensive damage to power lines, buildings, signs and trees. One camper trailer was wrenched loose from a pickup and overturned near Longmont. Some minor accidents were caused by blowing dust and debris. Blown dust accumulated from two to three feet deep on some lawns at the north edge of Denver suburbs. Dust blew into buildings and homes. Dust storms in the farming area caused damage to spill and winter grain crops.							
CONNECTICUT			None reported						
DELAWARE		See data at end of table							
FLORIDA			None reported						
GEORGIA									
Northern Third	15-16				0	0	4	0	Snow
		Snowfall ranging from 8 inches in extreme north to a trace in Middle Georgia resulted in hazardous driving conditions over northern third of State. Some roads were closed and many sports events and meetings were cancelled. Industrial plants closed some areas because workers were unable to report.							
Near Brunswick	30	1:25 p			0	0	3	0	Hail and Wind
		Hail 1 1/2 inches in diameter and wind gusts to 65 kts. reported 5 miles north of Brunswick by public.							
HAWAII			None reported						
IDAHO									
Southwestern and South-Central Valleys	10-23								Fog and freezing drizzle
		Fog filled most of Boise, Payette and Weiser Valleys almost continuously for two weeks, while other valleys in south-central Idaho were experiencing fog on at least half the days. Freezing drizzle was observed on a number of occasions with varying accumulations of ice. On the 19th and 20th ice was heavy enough to break power lines in the Payette Valley above Emmett, in the vicinity of Boise and in the Hansen-Murtaugh area. At the Boise Air Terminal freezing drizzle was reported from the 16th to the 20th and also on the 22nd and 23rd.							
Vicinity Cascade and vicinity Georgetown	30				1		6		Snow avalanches
		On Snowbank Mtn. near Cascade a man was killed as he and his tractor were covered by a snow slide while he was working to clear a road to the radar installation. In Georgetown Canyon, Bear Lake County, a huge avalanche slid 3000 ft. down the mountain and literally tore through a steel and concrete office building. All personnel had been removed from the area prior to the onset of the avalanche.							
ILLINOIS									
East-Central	15-16				0	0	7	0	Blowing and drifting snow
		Snow began falling the evening of the 14th and continued during most of the 15th. Total fall in most of east-central Illinois ranged from 4 to 8 inches. Snow ended during early evening of the 15th and did not become a major traffic hazard until wind shifted to northerly. Northeast winds of about 30 mph and gusts above 40 mph drifted snow and cut visibility. Drifts as much as five feet deep blocked some major highways for 12 hours or longer. Many secondary roads were not opened for more than 24 hours. Several hundred cars were stranded and even snowplows were stuck.							
Northeast and North-central	22-24				0	0	6	0	Rain, freezing rain
		Rainfall amounts of about two inches in north-central Illinois on the 22nd caused rapid runoff on frozen ground and local flooding. Some streets were closed and homes evacuated in Rockford. Rain changed to freezing rain late in day and spread over much of northeast Illinois on 23rd and early morning of 24th. Glaze accumulations caused an estimated \$600,000 damage to power and telephone lines alone. Accidents were numerous on icy streets and roads. Nearly 400 people were treated in hospitals of northern Chicago suburbs for falls on ice. Some 200,000 homes in 200 communities were without power from a few hours to as much as 40 hours. Greatest damage was in Illinois area north-east of approximately Stockton-Dixon-Chicago line.							
INDIANA									
Central Indiana	15-16				1		4	0	Snow, wind, cold
		Twelve inches of snow which drifted badly in high winds slowed travel. A man became lost in the storm in traveling cross-country from his stalled auto to his house and froze to death.							
Northern Indiana	23-24				0		5	0	Freezing rain
		Highways, trees, and utility lines were glazed with ice. Accidents were numerous and many lines were broken.							
New Market, Montgomery County	24	0:15 a.			0	2	4	0	Tornado
		Several houses were damaged and a house trailer was over-turned.							
Bedford, Lawrence County	24	0:15 a.			0	0	0	0	Funnel cloud
Tilden, Hendricks County	24	0:30 a.			0	0	3	0	Tornado
		The destruction of a house roof leaving chimney intact and other signs indicated toradic action.							
IOWA									
South, central and east Iowa	22-23						5		Ice storm
		Ice accumulated to 1/2 or 3/4 inch thickness damage mostly minor over an extensive area.							
KANSAS			None reported						
KENTUCKY			None reported						
LOUISIANA		See data at end of table							
MAINE									
State					0	0	0	0	Glaze
		Glaze from freezing rain occurred over much of the state on January 8-9 and locally in the Portland area on January 26. No serious direct damage was reported but numerous traffic accidents occurred on slippery roads.							
MARYLAND		See data at end of table							
MASSACHUSETTS									
Coastal and eastern sections	15-17				0	0	4	0	Snow, blizzard
		Storm yielded 5 to 12 inches of snow and even 12 to 18 inches in parts of Cape Cod and Nantucket. With very strong winds, and temperatures near 24°, real blizzard conditions prevailed at times on January 16. The snow was "dry" and fluffy and so did not accumulate to any great extent upon trees and wires. Power losses were at a minimum. Drifts piled up to 5 feet in some areas. Roads and highways were kept open albeit continuously through the storm. Many motorists kept off the roads due to early storm warnings and to the fact that the storm came on a week-end. Two persons died while shoveling snow. There were scattered flights into and out of Logan Airport. Other transportation facilities were fully in service though running behind schedule.							
Statewide	23-24				0	0	4	0	Snow, glaze
		Storm dropped 6 to 12 inches of snow over the state. The heavier amounts fell in the Berkshires, and southern and southeastern portions of the state. Sleet and freezing rain on the 24th produced ice-crusts roads and highways. Highway travel became unusually hazardous and traffic accidents were numerous. Eight deaths were related to the storm (of these at least 4 resulted from heart failure while shoveling snow.)							
Eastern portion	26-27				0	0	0	0	Glaze
		Light glazing reported in many communities, but caused no serious damage.							

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	
MICHIGAN Southern Lower	22	2:00 p. 4:00 p.					5	C	Glaze, sleet, and snow
									Power service disrupted to hundreds of homes when power lines snapped and broke due to the heavy weight of ice accretion on the lines. Trees and limbs also broke due to the heavy weight of the ice accretion and sleet and in some instances fell on power lines with resulting breaking of the lines. Heavy power line repair damage reported. Freezing rain mixed at times with sleet and snow caused very slippery and hazardous driving conditions which resulted in the closing of some schools.
MINNESOTA									None reported
MISSISSIPPI Webster County	6	2:00 p.			0	1	1	0	Lightning
									Lightning struck telephone line; woman using telephone in nearby home knocked backward, was unconscious for a few moments, received some second degree burns. Connections burned out on some nearby TV aerials.
Hinds County	22	3:10 p.- 3:15 p.	?	?	0	5	4	0	Tornado
									Near Clinton: One funnel approached from S, at bottom had "big ball of smoke", which moved up and down as though floating; roared like thunder but much deeper, long visible streak of lightning, light in center of funnel glowed more brightly. Moving mass struck upper story of split-level elementary school, lifted roof covering seven classrooms and dropped it on roof at other end of U-shaped building. Rain poured in through smashed windows and roof; five students received cuts and bruises.
Jefferson County	22	4:25 p.							Turbulence aloft
									35 NW McComb (31.8°N Latitude, 90.9°W Longitude): Piper Apache reported extreme turbulence at 7,000 ft. "in violent thunderstorm".
Jones County	22	Night			0	1	3	0	Wind, heavy rain
									Some phones out in Laurel and Ellisville areas due to wet cables. Ellisville: in Pittman community, winds lifted home from foundation and dropped it 30 yards away, fractured hip sustained by occupant, 85-year old man; winds ripped roof off another building and also roof and side walls of concrete block pen on another farm. Laurel: in Landrum Community, storm ripped roof off occupied home but no injuries.
Coastal Counties	22- 23				0	0	4	0	Heavy rain
									Four or more inches of rain in 24 hours; 8.96 measured at Biloxi (City), the record January daily amount for any Coastal Division station. Scattered reports of low areas, low-lying streets and highways flooded, some road damage, coastal streams either flooding or near flood stage. Gulfport streets laden somewhat with debris.
Calhoun County	23	6:30 p.- 6:35 p.	1/2	25	0	0	3	0	Tornado
									Calhoun City: In Berela community, family hearing noise like low jets, went into cars and drove between two high banks on road. Cars lifted from ground but not turned over. Cloudy weather, one funnel cloud "real black and had a little white at the bottom of it", moved from SW toward NE, was preceded by heavy rain. Damaged several houses, fences, electric wires, out buildings; trees uprooted, blown down and tops broken.
Northern and Central Portions	26								Dust
									Blowing dust, picked up in Texas and Oklahoma and pushed by strong cold front, crossed Mississippi Delta in early morning, and most of rest of state before noon. Fine sand particles drifted to ground, some reports of visibility less than two miles, sky hazily obscured.
MISSOURI									
Lincoln -alls Counties	23	afternoon					4		Thunderstorms
									Lightning damage to homes in Troy and Vandalia.
New Haven, Franklin County	23	late after- noon							Thunderstorm
									Hail 1/2 - 1/3 inch in diameter.
Ashland, Boone County	25	9:50 pm	.01	50			3		Tornado
									Funnel touched ground briefly, damaging a number of large trees in a farm yard. Location of tree limbs is chief evidence of tornado occurrence. Weather Bureau Airport Station, Columbia, reported a pressure jump in progress at time of storm.
Dade County	25	2:55 pm							Thunderstorm
									Hail 3/4 inch in diameter covered the ground.
MONTANA									
Ekalaka 18 miles NE of Carter County	7	Late evening			1	0	0	0	Severe Cold
									A four-wheel drive pickup driven by a rancher caring for live-stock broke through crusted snow and stalled. The driver, unable to free the vehicle from the snow, attempted to walk to a nearby ranch but perished in -16° weather before reaching safety.
NEBRASKA									None reported
NEVADA									None reported
NEW HAMPSHIRE State					0	0	0	0	Glaze
									Glaze from freezing rain occurred over much of the state on January 8-9 and locally in some southern sections on January 24. No serious direct damage was reported, but numerous traffic accidents occurred on slippery roads.
NEW JERSEY									None reported
NEW MEXICO									None reported
NEW YORK									See data at end of table
NORTH CAROLINA Clay County	10	9:15 am	short	narrow	0	0	3	0	Small tornado
									Outbuilding anchored to concrete base with steel bolts ripped loose and carried away. Calf chained to building lifted several feet in air before chain broke. Heavy tractor moved several feet. Loud noise heard.
Statewide	16-19				4	unk	4	0	Snow, cold
									State covered with one to fifteen inches of snow 16th and 17th, followed by severe cold. At least four persons died from cold and exposure. Several others killed and many injured in weather-related traffic accidents. Some damage to power and communications lines. Schools closed one or more days many areas.
Chowan, Forsyth, Lenoir, Scotland Counties	24	night					5	0	Electrical, wind
									Several buildings in widely separated areas struck by lightning, with damage resulting from both force and fire. Wind damaged building under construction.
Statewide	30-31				5	unk	5	0	Snow, sleet, glaze, cold, electrical
									Nearly all of State covered with one to five inches of ice and snow. Four persons died of exposure and one from a fall on icy steps. Numerous injuries. Several additional deaths and injuries from traffic accidents associated with weather. Lightning early in the storm period set fire to a church, a lumber mill, and several smaller buildings, and did heavy damage to a commercial radio transmitter. Power and telephone lines down some areas.
NORTH DAKOTA									None reported
OHIO									None reported
OKLAHOMA McCourtain County	8-9	7:00p., 8th- 7:00a., 9th					0	0	Rain
									Unseasonably heavy rain fell across the southern half of the county with up to 3.85 inches recorded at Idabel.
Entire State except Panhandle	9	6:00a.- Midnight			0	0	1	0	Snow, sleet and freezing rain
									Second major snowstorm of winter was preceded by freezing rain and sleet across most of the State. Freezing rain formed up to one-half inch of ice on trees and lines along a 50-mile wide path across Walters County and the eastern half of Comanche County. Many power lines and poles were downed with electrical outages reported up to 18 hours. Highway conditions worsened throughout the day as glazing and snowfall activated sanding crews in many communities. Snow depths varied from 2 to 6 inches along a belt 130 miles wide from the west-central border to the northeast corner of the State. Totals of 5 to 6 inches were reported in Beckham, Caddo, Garlin, Payne, Creek and Tulsa Counties. Hazardous roads and bridges hosted numerous automobile and truck accidents while buses ran two to five hours late.
Most of State	25	p.m.			0	0	1	0	Duststorm
									A severe duststorm originating in the High Plains of Texas swept severe to moderate blowing dust across most of Oklahoma during the afternoon and early evening hours as a fast-moving Pacific cold front pushed eastward. Surface visibility was reduced to almost zero in many areas over the western part of the State while pilots reported that the dust extended to more than 10,000 feet altitude. Oklahoma City Weather Bureau Airport Station measured gusts up to 55 mph at 3:30 p.m. while visibility lowered to two miles at 5:00 p.m. Skies cleared by early evening when a brisk Arctic cold front pushed the dust out of the State. Light scattered damage was due mostly to toppled trees and downed utility lines.
OREGON									
Northern half of Oregon	25- 30				0	Sev- eral	7	4	Heavy rains and floods
									The record-breaking rains of late December combined with occasional rain or snow earlier in January had saturated soils in all areas. The very heavy rains of 25th-29th, particularly in northern half of

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	
OREGON (Cont'd.) Northern half (Cont'd.)									State, furnished necessary impulse to touch off hundreds of large scale slides and bring on major flooding in northern and coastal streams. Monthly totals, most of which fell during the 25th-29th, in headwater areas of central and north Coast Rivers were from 20 to 30 inches; on the west slopes of the Cascades from 15 to 20 inches; in the Willamette Valley 8-12 inches; in the Blue Mountains 8-15 inches. Record or near stages were reached in several of the north Coast streams and very heavy flooding in some Willamette tributary streams. In the Umatilla and Grande Ronde of north central and northeast Oregon unprecedented river heights were reached. Along the coastal streams, the Grande Ronde, and the Umatilla and their tributaries, many bridges were washed out or badly damaged. In widespread areas of northern Oregon, sections of roads were washed out, a number of homes were destroyed and a larger number damaged. Several hundred families had to be evacuated from their homes but there was no loss of life. Scores of slides in major proportion occurred closing highways and county roads at hundreds of points, blocking streams and causing additional flooding by backed-up water, carrying away or burying highways and railroads. In Mapleton, Oregon several buildings and 25-30 automobiles were either destroyed or badly damaged when a large section of that town was buried by a mud slide.
PACIFIC AREA									None reported
PENNSYLVANIA									
Northwestern Counties	23	Night					4		Ice Storm
Western Counties	26	Afternoon					5		Wind
									Sustained winds of 30 to 40 mph with gusts to 75 mph; downed a number of trees, billboards and utility lines throughout the area. In Erie a plant roof was blown off, while in Greenville, bricks in a 10-ft. wall section were jarred loose and blown down, damaging an automobile parked next to the building. Damage to the building was estimated at \$2000. A garage was also unroofed and trees were blown down, damaging several automobiles parked nearby. Near New Castle the winds caused \$35,000 damage when a drive-in theater screen was blown down. At an airport near Franklin, a small plane was overturned by a high wind gust. One man was injured in Johnstown when a gust of wind blew a garage door from his grasp and knocked him down.
PUERTO RICO									
Rio Grande	13				0	0	3	0	Heavy Rainfall
									An unusually heavy and localized rainfall occurred in the Rio Grande sector of the north-east coast as a low level trough moved across the island from east to west. 24-hour rainfall amounts measured at two official substations and six Land Authority raingages provide a measure of the intensity of the rainfall. Most rain fell between 10:30 AM to 7:30 PM.
									24-Hour Amounts (From 8:00 AM January 13 to 8:00 AM January 14)
									Canovanas 4.70 (official USWB Substation) Rio Grande El Verde 6.60 (official USWB Substation) Santa Catalina ... 4.00 (P. R. Land Authority R-gage) Dolores 14.18 (P. R. Land Authority R-gage) Merines 7.85 (P. R. Land Authority R-gage) Palmarajo 4.72 (P. R. Land Authority R-gage) Mini Mini 9.65 (P. R. Land Authority R-gage) Galateo 21.40 (P. R. Land Authority R-gage)
									Although not an official substation, Galateo's rainfall amount has been reliably corroborated and appears to be a record for the 9-hour period from 10:30 AM to 7:30 PM. The Esprita Santo River overran its banks causing flooding in El Cotorro, Palmer and Cienega Baja. Civil Defense aided in evacuating families from their homes. Some property damage occurred as well as damage in the sugar cane fields where the scheduled harvesting had to be postponed for several days. Landslides occurred on route 186 past El Verde and there was considerable erosion and loss of young tree plantings that had been put in by the U. S. Forest Service.
RHODE ISLAND									
Washington and Newport Counties	16	1:00 a.-9:00 p.			0	0	4	0	Blizzard
									Winds which averaged 20 to 35 mph with gusts to 50-60 mph on the mainland and 40 to 50 mph with gusts to 75 mph on Block Island drove a powdery 8 inch average snowfall into drifts which reached 7 to 10 feet in places. Travel was disrupted and business curtailed.
SOUTH CAROLINA									
Western and Northern South Carolina	15-16	morning-evening			1	?			Snow, sleet freezing rain
									Record breaking, 24-hour snowfall for January for South Carolina, 10 inches at Landrum. Schools closed Lancaster, Chester, Union and York Counties on 18th. Snow reported in all portions of state, brought traffic to near standstill in North. Cherokee County Man found frozen to death on road.
Columbia area, Lexington, Richland Counties	24	evening					4		Wind storm
									Gusty winds behind cold front toppled large trees on houses, snapped numerous power lines, snapped off telephone pole.
SOUTH CAROLINA (Cont'd.)									
North and Central South Carolina	30-31	afternoon-morning			?				Snow, sleet, freezing rain
									Second snowfall of season caused wide spread extremely hazardous driving during evening and night hours, North and Central. Traces of snow reported in South and Coastal areas.
SOUTH DAKOTA									None reported
TENNESSEE									
Western Counties	9-10				0	0	6	0	Rain, sleet, glaze
									A cold front touched off a few thunderstorms over most of the western part of the State. Accompanying and following frontal passage, sleet and freezing rain caused heavy damage to telephone and power lines from the weight of glaze and falling tree limbs. Elsewhere in the State light to moderate rain caused only minor property damage.
Statewide	16-17				1	Sev-eral	?	?	Snow
									Season's first snowfall of consequence yielded irregular amounts, ranging from trace in West Tennessee, one inch Midstate to 4 to 5 inches east portion. Slippery roads with snow and ice were blamed for numerous traffic injuries. One death was reported due to over-exertion.
Statewide	26				0	0	0	0	Duststorm
									A duststorm which originated in the Southwestern States swept across Tennessee and adjacent states. Visibility was reduced to about one mile for a short period as the dust laden cloud moved across the State from west to east. Sides cleared throughout the State by late afternoon with the passage of a cold front from the West. Moderate to strong winds accompanied frontal passage with gusts to 35 to 40 mph. Tri-City Airport reported high wind of 57 mph.
TEXAS									
S Schlenburg Fayette Co.	21	11:00 p-11:05 p	3/4	50	0	0	4	0	Tornado
									A small tornado unroofed the Ferdinand Lux home four miles south of Schlenburg and one-fourth mile east of U. S. Highway 77. The tornado also severely damaged every building on the farm including a large hay barn and shed, a garage and workshop and several smaller buildings. The tornado came from the southwest, continued northeastward into open areas, leaving a trail of debris from the Lux home site. Property damage was estimated at \$10,000.
Georgetown Williamson Co.	22				0	0	?	?	Heavy rain, flooding
									Heavy rains in Central Texas north and northeast of Austin set off a flash flood in the south edge of Georgetown. Normally calm Smith Branch gushed out of banks and drove nearly 100 persons from two dozen houses in Georgetown's San Jose section. Water rose two feet in some homes. Rainfall at Georgetown measured 5.44 inches of which 5.30 inches fell within 2 hours. Taylor, Williamson County reported 4.61 inches, and an unofficial measurement of 7.70 inches was reported at Thrall in the eastern part of the County.
Huxley Shelby Co.	22	8:00 a-8:20 a	**50	67	0	0	3	0	Tornado
									A tornado demolished a barn, four chicken houses, and a large tree in the Huxley community of Shelby County. Damage was estimated at \$2,000.
Jefferson Co.	22				0	0	?	?	Heavy rains, flooding
									Flooding from heavy rains washed out a bridge on U. S. Highway 90 just west of Beaumont. The 40-year old bridge collapsed under the deluge.
Milan Co.	22-23				0	0	?	?	Heavy rains, flooding
									Heavy rains in Central Texas northeast of Austin caused two rivers and a creek to go on a rampage and flood thousands of acres of Milan County lowlands. The San Gabriel and Little Rivers and Brushy Creek rose from their banks and spilled far and wide through the bottoms. Ranchers were unable to move into the lowlands and an estimated 100 head of cattle were reported lost. Up to 7.70 inches of rain was reported unofficially at Thrall in Williamson County and at Thorndale in Milan County. Little River rose to 36 feet on the morning of the 23rd, 6 feet above flood stage, and the highest rise since 1957. Cameron in Milan County received 4.01 inches of rain.
West Texas	25				0	2	?	?	Duststorm
									The worst duststorm since February 1956 developed on the southern High Plains on January 25. A low pressure center moving southward across eastern Colorado intensified over the Texas Panhandle and western Oklahoma before turning eastward. The resulting winds, gusting up to 75 miles per hour at Lubbock, sent dust billowing to 31,000 feet in the area from the Texas-New Mexico border eastward to a line from Jullia to Abilene. Ground visibility was reduced to about 100 yards in many sections. Airborne dust reduced the visibility to three-fourths mile at Fort Worth on the 25th and to two miles at Beaumont on the 26th. As the storm center moved eastward, dust from eastern New Mexico and western Texas was borne aloft as far north as Evansville, Indiana and eastward to Pennsylvania. The worst hit area was the Milesheo, Seminole, Flinn, Morton area on the South Plains. Wide spread damage occurred to small buildings, plate glass windows, roofs, and expensive advertising signs. Utility poles

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					KILLED	INURED	PROPERTY	CROPS	
TEXAS (Cont'd.) West Texas (Cont'd.)									In the area snapped under the stress. Roof, window, and sign damage was also reported at Lubbock, Midland, Odessa, Andrews, and Pecos. At Fort Worth, in North Central Texas, a 11 foot concrete and brick wall collapsed under the stress of the wind, injuring two workmen. Sewer spill (leak) occurred in sandy areas on the west side of the southern High Plains and also on the west side of the southern Low Plains. Tumbleweeds barreled down West Texas highways - barely under state speed limits, and in some instances, passing up automobiles traveling 65 miles per hour. The rain gauge at Reese Air Force Base, Lubbock, Texas, when checked on the evening of the 25th, contained 3/4 inches of fine sand.
UTAH				None reported					
VERMONT State					0	0	0	0	Glaze
U. S. VIRGIN IS.				None reported					Glaze from freezing rain was reported in central Vermont on January 8-9 and in the northwestern portion on January 24. No serious direct damage was reported but numerous traffic accidents occurred on slippery roads.
VIRGINIA				None reported					
WASHINGTON									1-2 Heavy snowfall and strong winds over most of the State. Snowfall was unusually heavy over the Olympic Peninsula, higher elevations of the Cascade Mountains and northern half of eastern Washington. In the Cascades, 44 inches of snowfall was recorded at Snoqualmie Pass and 45 inches at Stevens Pass in a 24-hour period. In northern half of eastern Washington, snowfall amounts ranged from 4 to 10 inches and almost all roads were blocked by drifting snow. Several communities were isolated for one to three days. 26 to 31 Rising temperatures, heavy rainfall and rapidly melting snow over western Washington and the southern half of eastern Washington resulted in almost all rivers rising above flood stage. The freezing level reached 4000 to 6000 feet above sea level. Along the western slope of the Cascade Range, rainfall totals over a 5-day period ranged from 6 to 10 inches. Flooding along small streams resulted in extensive damage to highways and bridges. Major rivers were 2 to 5 feet above flood stage. Mud and snow slides were numerous. Two persons were killed near Randle when their home was destroyed by a slide. East of the Cascades, rainfall was heavy over the Blue Mountain and Horse Heaven Hills areas. The Walla Walla, Touchet and Yakima rivers were above flood stage.
WEST VIRGINIA				None reported					
WISCONSIN				None reported					
WYOMING				None reported					
DELAWARE									
Southeastern Sussex County	15-18				0	0	0	0	Heavy snow, extreme cold, wind
Northern Delaware	25-24						4		Seven inches of snow on the 15th-16th, with drifts several feet deep, combined with near record temperatures on the morning of the 18th gave this area its most unusual winter weather for many years. Glaze
LOUISIANA Lafayette Parish	8	5:01 p.-5:15 p.	1	35	0	0	3	0	Tornado Funnel cloud aloft first reported 5:01 p., 8 WNW Lafayette. Described by motorists as "an ugly black finger" moved from SW to NE. Touched down at 5:10 p. in Markridge subdivision of Carencro; damaged two houses, lifted, and again touched down at 5:13 p., about a mile away, taking roof off small barn.
State	22				0	10	5	0	Wind, heavy rain A line of thunderstorms moved eastward across the state. Many reports of damaging winds. Heavy rains flooded streets and highways, making driving hazardous, and contributed to a number of accidents. CALCASIEU PARISH, 10:00 a.: Storm from SW moved towards NNE through Maplewood and Mossville area, approximately 150 homes damaged. Roofing shingles picked up and blown through windows and into wooden siding. Quite a few pine trees, above 25 ft. in height, had tops twisted off, one such was deposited on home in Maplewood and another on home in Mossville, where woman and daughter received cuts and bruises. Lots of roofing shingles in Maplewood were standing up as if they had been sucked up. Most of damage occurred on south side of homes. State Police reported several persons in Maplewood area received minor injuries, primarily from flying glass. Damage possibly caused by funnel cloud aloft.
LOUISIANA (Cont'd.)									
Lake Charles	10:30 a.								Two women slightly injured when a tree toppled on home. Numerous windows blown out by strong winds, clocked at more than 60 m.p.h. at the Lake Charles Airport. Some damage to car ports.
MONROE	11:15 a.								Man sleeping in trailer sustained minor injuries when winds flipped trailer over; another trailer knocked off foundation; garage reported toppled, and automobile overturned twice.
LAFAYETTE-ST. MARTIN PARISHES	afternoon								A number of telephone poles along the Southern Pacific Railroad tracks between Cade and Broussard, west of New Iberia, were knocked down, and the main Southern Pacific track was blocked for a good portion of the afternoon.
IBERIA PARISH	Just E of New Iberia city limits								house trailer flipped over, 1-1/2 year old boy occupant not injured. Woman reported seeing large black swirling cloud come up from the bayou and go through the Bel Air subdivision; another woman reported her house was dropped. The storm appeared to follow a northeasterly pattern. Part of sugar mill smokestack broke off and fell on pick-up truck; trailer home near bayou seriously damaged when it rolled over several times. Some damage in Coteau area; man trying to leave building said he was unable to open door, that he could hear a loud roar and that it got very dark for a while.
AVOYELLES PARISH	Marksville								two persons suffered minor injuries when a tree fell on home.
WEST BATON ROUGE PARISH	3 W Port Allen								residents reported extensive roof damage; sudden gust ripped porch off one house, one metal car port damaged, and boat trailer upended.
IBERVILLE PARISH	White Castle								house and barn damaged.
Caddo Parish	22	6:15 a.-6:30 a.	12	75	0	0	5	0	Tornado, lightning Storm accompanied by hail and heavy rains, moved from SW limits of Shreveport NW to Downtown Airport. Trees uprooted in many parts. Streets temporarily flooded by near 1.5 inches rain in less than three hours. In western part of city, half dozen billboards knocked down, along with power and telephone lines. At Cross Lake, yacht club and three sail boats damaged. At Downtown Airport, two hangars and maintenance shop heavily damaged; of 50 planes, five were destroyed and seven damaged, one was damaged by lightning. Control tower operator reported 3/8 in. hail began to pelt tower windows as he went into building below tower before storm hit; said it was too dark to see whether or not a tornado funnel dipped into the area.
Calcasieu Parish	22	10:20 a.	1/2	17-60	0	0	3	0	Tornado Cillia: Storm from SW moved to NNE. As tornado descended, it cut 50-ft. path through pine trees; touched down in clearing, damaging tool shed, several homes, demolishing barn, and killing one horse. One house had roof take off, north wall blown out and foot-cub carried about 1/4 mi. to NNE. Trees, two feet in diameter, were twisted off three feet above ground. As funnel cloud went aloft, the path was about 150-200 ft. wide, pine trees were twisted off at various levels. Woman, whose home was destroyed, reported wind ripped shoes from her feet, but she was not injured.
Jefferson Davis Parish	22	11:00 a.	1	1	0	0	3	0	Tornado Tornado damage noted 1 SE Welsh and on E and S edge of Welsh. Agricultural plane torn from anchor chains, lifted 40 ft. into air, whirled northward through trees, severed power lines, then flipped wing over wing about 300 yards. Tool shed demolished and scattered on adjoining farm. Thunderstorms and high winds moved in from the SW and progressed northward.
Rapides Parish	22	11:00 a.	1	1	0	0	3	0	Tornado Just S of Glenora, small tornado, accompanied by heavy rain, damaged six houses, a barn, and a greenhouse. Front porch of one home deposited in nearby tree.
Avoyelles Parish	22	12:05 p.-12:10 p.	2-1/4	40-100	0	2	4	0	Tornado About 1-1/2 NW Effie, during heavy rain, tornado accompanied by loud roar, moved from SW to NE. Woman who watched the tornado cross field said, "It looked like smoke being blown by the wind". It touched ground for about one mile, cut path through pine trees, crossed Highway 107, lifted trailer home off blocks and tossed it over 50 ft. away. Trailer walls and roof scattered over 100-yd. stretch, lighter pieces found in trees 1/4 mile away; occupants, woman and mother-in-law, were injured. Damaged two barns, two garages, five outhouses, and five houses; one butane tank pulled out and thrown 300 yards; sign on service station knocked down. Postmaster reported, "This tornado dipped down in two places"; last at 12:30 p., 4 N of Effie Post Office, with path about 1/2 mile, some timber blown down, one cow killed.
St. Martin Parish	22	Afternoon	1	1	0	0	3	0	Tornado Cade: At time tornado struck, woman in home heard loud noise, like clap of thunder. She looked out and saw roof of her house flying off, which landed 400 yards away, several whirlwind formations noted in yard picking up scattered debris as they moved along. Tornado tore off half the roof, the back porch and the car port, torrential rain severely damaged interior and contents. Home across road blown off foundation.
Ascension Parish	22	1:45 p.-1:55 p.	1	275	0	0	5	0	Tornado South of Donaldsonville, man reported, "It looked like black clouds, about 50 yds. wide, coming across the cane fields. The cane and two-by-fours were flying through the air". The tornado continued into Donaldsonville. Many people reported a noise like 50 trains going by. The storm moved from SW to NE along with heavy rain and some hail. Destroyed two homes, flipped over two house trailers, demolished one; moved five homes from foundations, minor damage to 100 homes; trees were knocked down, considerable roof damage to residences, awnings ripped off, and 40 TV aerials destroyed. Power and telephone lines down all over town.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1965

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	
LOUISIANA (Cont'd)									
Ascension Parish	22		?	?	0	0	3	0	Tornado
	Storm approached from SW. A funnel dipped down from black cloud as it approached 2 E Darrow. It got dark suddenly. Winds knocked in 20-ft. glass and aluminum wall of cafeteria wing of school, tarpaper covering of concrete beam roof sailed through air. At other end of wing, a 20-ft. glass and aluminum wall was pushed out.								
Livingston Parish	22	2:47 p.m. 2:51 p.m.	1/4	125	0	0	3	0	Tornado
	Tornado approached from S, touched down 2-1/2 W Albany. While leaving washed, workman knocked down by wind. About 300 ft. of the roof of a 654-ft. chicken house, and also roof of washed, torn away. 2,915 chickens were killed. Workman said that "roofing going through air sure whistled". Telegraph and utility poles knocked over; 10 large pine trees, some 3 - 3-1/2 ft. in diameter, twisted down. Woman in home to W of path said she could see light streak running up and down way above the chicken house, and that shortly after it became dark and rain poured down. Neighbor to E said it sounded like a freight train. Storm moved to NE.								
Livingston Parish	22	3:00 p.m.	?	?	0	0	3	0	Tornado
	Tornado touched down 3 E Albany, ripped off large portion of roof of home, downed nearby trees, including oak tree 3-ft. in diameter, scattered debris over large area.								
State	26								Dust
	Dust from plains of Texas and Oklahoma carried over state by strong winds. Some reports of visibility less than two miles. New Orleans City Health Department reported dust was light brown.								
MARYLAND									
Northern counties	23-24						5		Glaze
	Rain, freezing rain and sleet produced a layer of ice, reported generally 1/2 to 1 inch thick, which remained through the morning of the 23rd. This resulted in a prolonged period of unusually hazardous conditions underfoot and on highways. Many traffic accidents were reported. Frederick County State Roads Commission officials called this storm one of the worst in the last 40 years because of its duration and area coverage. Although there was some interruption to power and telephone service, it was not as great as would be expected. Hospitals in Washington and Allegany Counties reported many injuries from falls by pedestrians. Also, considerable tree damage occurred.								
NEW YORK									
Statewide	2-3	early a.m. of 2nd to early on 3rd							Snow, freezing rain
	General storm marked by moderately heavy snowfall across midsection of upstate and freezing rain in southern tier counties. Heaviest snowfall, amounting to 6 to 10 inches, occurred from Lockport and Batavia areas, south of Lake Ontario, eastward through most of Mohawk Valley. Snowfall of from 3 to 6 inches fell in southern highlands, Adirondacks, Hudson Valley and eastern Long Island but decreased to one inch or less in extreme northern valleys and New York City area. Airline traffic halted at major airports in belt of heaviest snowfall; highway travel very hazardous. Glaze, moderately severe in southern border counties, made highways very slippery from Jamestown to Binghamton. Scattered damage to trees and power lines in Jamestown area.								
Coastal	10	8 a.m. to 11 p.m.							Snow
	Coastal storm dropped from 8 to 10 inches of snow on central and eastern Long Island with amounts decreasing to near 6 inches in New York City and Westchester County areas. Although occurring on Sunday, the clogged condition of highways forced widespread closing of schools on Monday. Travel conditions for heavy metropolitan traffic poor until late on 11th. Snowfall amounts decreased to 2 to 4 inches in southeastern Catskills and lower Hudson Valley.								
Coastal	16	2 a.m. to 8 p.m.							Blizzard
	Blizzard conditions prevailed in coastal and extreme southeastern sections as result of extensive storm system off Atlantic coast. Storm accompanied by winds averaging 20 to 30 mph and gusts to 40 mph, as temperatures dropped from 20s to 10° and colder. Severe drifting of Long Island highways but storm occurrence on Saturday reduced effect on traffic and operation of schools and businesses. Snowfall totaled from 4 to 8 inches and followed by less than a week a storm of similar snowfall but less wind and drifting.								
Erie and Niagara Counties	18	Morning							Snow
	Local areas, mostly north and northwest of Buffalo, hit by very heavy lake-effect snowfall. Cities of Lockport, Tonawanda, Grand Island, Kermont and western half of Buffalo paralyzed by from 8 to 20 inches of snow with some areas reporting up to 24 inches. Many industrial plants closed or hampered by inability of employees to get to work; schools closed throughout area. Snowfall spread southward later during day with amounts decreasing to 4 to 6 inches in Chautauque County. At Buffalo International Airport, a relatively short distance east of city, measured snowfall of less than two inches.								
NEW YORK (Cont'd)									
Statewide	22-24	early 22nd to late 24th						5	Snow, freezing rain and sleet
	Major storm of 1964-65 winter season to date in terms of area covered by heavy snowfall and the added effects of various combinations of sleet and freezing rain. Storm began in western sections as snow and glaze early on 22nd with freezing rain continuing in southwest highlands and southern tier counties on 23rd as snow spread into central and eastern upstate. Precipitation changed to mostly sleet on 24th before storm tapered off late that date. Total snowfall ranged from less than 2 inches in extreme southwest to 10 to 15 inches in Mohawk and middle Hudson Valleys and in southeast highlands. From Great Lakes and west central counties to Adirondacks and southern Champlain Valley snowfall and sleet totaled from 6 to 10 inches as amounts decreased to 2 inches in the extreme northeast. Variety of precipitation in coastal sections with snowfall ranging from 2 inches (total precipitation 1.25 inches) on Staten Island to 11 inches on eastern Long Island. Freezing rain most damaging in Jamestown area with power lines and trees downed and loss of power for up to two days later to some 8000 homes. Schools, highway travel and airline traffic variously affected throughout state. Snow blown by strong winds added to storm woes in central and eastern sections. Jet aircraft reported severe turbulence aloft in vicinity of Kennedy International Airport about 10 p.m. on 24th.								
Western Counties	26	late p.m.					1	5	Wind
	Gale winds of 40 to 50 mph, raked western counties along and near the Great Lakes during evening hours. Peak gust of 70 mph, from southwest recorded at 7:22 p.m., by Weather Bureau at Buffalo Airport. Widespread utility failures as lines and trees downed from Allegany and Cattaraugus Counties on southern border to Orleans and Monroe Counties along Lake Ontario. Several cars damaged by falling trees in Buffalo as winds downed billboards, broke store windows and caused hazardous travel conditions due to blowing snow over 10-county area. Elderly woman fractured leg when blown to pavement by wind.								

- † 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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