

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
ROBERT M. WHITE, Chief

STORM DATA

JANUARY 1964

Volume 6 No. 1



ASHEVILLE: 1964

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1964

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA									
Colbert, Lawrence, Jackson Counties	19	evening			0	0	5		Wind
									High winds preceded passage of a cold front. Scattered damage to houses, small buildings, power lines and trees. Damage occurred mainly around Muscle Shoals, Monticello and Scottsboro.
Talladega County	20	morning					4		Wind
									High winds preceding a cold front caused church to collapse and damaged one house in the Howells Cove Community. In Talladega numerous trees were uprooted damaging several houses and one automobile.
Marshall County	20	evening			0	0	4		Wind
									High winds destroyed four large chicken houses and damaged 1 home about 5 miles southeast of Albertville.
DeKalb County, Rowdowntown Community	20	evening	?	?	0	0	4		Tornado
									About 15 homes damaged by tornado in rural area.
Shelby County, Harpersville	20	7:00 p	3	100	10	6	5	0	Tornado
									Tornado struck in wooded area about 1 mile southwest of town and moved east-northeast across Highway 25 then into eastern portion of town on U.S. Highway 280 where 3 houses were demolished and ten persons were killed. Tornado then moved through field for about a mile before lifting. About twenty houses were damaged, five farm buildings destroyed and several automobiles damaged. Some of the contents of the demolished houses were found more than a half mile away. One of the houses demolished was moved intact about 300 feet where it struck a large tree and another house.
ALASKA									
									No report received by printing deadline
ARIZONA									
ARKANSAS									
Union County, El Dorado area	8	12:30 p. to 12:46 p.	?	?	0	0	6	0	Hail
									Thunderstorms moved northeast with hail up to 1 inch in diameter. Major damage to roofs, other property.
Poinsett County, Lepanto area	19	6:50 p. to 7:00 p.	?	?	0	2	?	0	Funnel cloud, wind and hail
									Winds of short duration demolished a house-trailer near Lepanto. Two persons injured by flying objects. Residents could hear a roaring noise.
Greene & Clay Counties, Rector area	24	2:00 p. to 2:36 p.	7	500	0	1	5	0	Tornado
									Tornado began 1 mile south of Marmaduke and moved northeastward. One person injured in trailer in northwest part of Marmaduke. Tornado touched down again 1 mile south of Rector. Most damage to property at Marmaduke and Rector. Funnel cloud sighted along with tornado at Rector.
Mississippi County, Hamlin area	24	2:46 p. to 2:48 p.	?	?	0	0	0	0	Tornado
									Tornado sighted by Plymouthville Air Force Base some 15 miles to the west and moving northeast.
Marion County, Flippin area	24	Afternoon	?	?	0	0	?	0	Tornado
									Tornado just touched ground southwest of Flippin as it moved northeast. Minor property damage.
CALIFORNIA									
Southern California	2				0	4	4	0	Strong wind
									Winds damaged homes and powerlines; destroyed farm buildings; spread fires; created high seas that destroyed sea walls and damaged homes and boats; blowing dust reduced visibility to less than 50 feet on Golden State Freeway.
Fresno	21	2 a.m.	1	5	0	0	3	0	Tornado
									Tornado moved southwest to northeast through north part of Fresno, damaging several homes and minor structures.
COLORADO									
Eastern Colorado near mountains	16, 17, 18	Afternoons and Evenings			0	0	6		Wind
									Dusty wind beginning the afternoon of the 16th., continuing through the 18th. damaged homes, power lines and other property in an area close to the mountains across the state from north to south. Pueblo reported a west wind of 75MPH on the 17th., the Air Force Academy 74MPH and Rocky Flats 85MPH on that date. Several airplanes were damaged at the Jefferson County Airport at Broomfield, Colorado and the Airport at Longmont. Roofs, walls and parts of buildings were blown away at various locations. Power poles and trees were blown over.
Boulder, Gilpin and Jefferson Counties	25	Early morning			0	0	4		Wind
									Strong gusty wind again caused some damage in the foothills area along the mountains. Gusts to 80MPH were recorded at the Jefferson County Airport. Some damage to buildings, power lines and vehicles were reported in the Boulder, Central City and Golden areas.
COLORADO (Cont'd)									
Denver area	31	Afternoon			0	4	3		Wind
									High wind blew down a sidewalk cover where a building was under construction, injuring a young woman. Three men were injured when a brick wall at a construction site toppled on them. All were treated for lacerations, leg and neck injuries. The Weather Bureau at Stapleton Airport reported peak gusts of 47MPH.
CONNECTICUT									
Statewide	13-14				0	0	4	0	Snow and Wind
									Heavy snows of 7-15 inches driven by gale force winds paralyzed many areas with drifts ranging up to 5-6 feet with major effect on 13th. Many schools, factories and business establishments were forced to close early on the 13th and some schools were closed on the 14th as well.
Statewide	21	AM			0	0	3	0	Wind
									Intense coastal low with extremely low central pressure caused gale force winds with gusts reaching 85 mph in some southern sections. Many windows were shattered and some roofs collapsed especially in Bridgeport and New Haven. Power failures due to wind-downed lines were frequent in Fairfield and New Haven Counties.
Southern Connecticut	28	10:00 a. - 4:00 p.			0	0	4	0	Snow
									Precipitation which began as rain, changed to snow. While accumulations reached only up to an inch, plummeting temperatures caused highways to glaze with such speed that more than the usual number of traffic accidents resulted.
DELAWARE									
Statewide	1				0	11	3	0	Icing
									Light snow, sleet, and freezing rain combined with sub-freezing temperatures made surface conditions very hazardous for driving and walking. Traffic accidents were minor; however, at least 11 pedestrians were treated in hospitals for injuries from falls. Some breakdowns in power service were reported when ice covered branches fell on power lines.
Statewide	12-13				0	0	4	0	Snow, strong winds, high tides
									Storm yielded 4 to 9 inches of snow over state, heaviest amounts in Kent County. Strong winds made drifting a severe highway problem. Abnormally high tides on morning of 13th, 4 feet above normal. Flooded coast at seven points and inflicted minor damage. Fortunately a shift in wind prevented greater damage.
FLORIDA									
Jacksonville Duval Co.	12	Early Morning	Short	Narrow	0	0	Minor	0	Tornado
									Storm affected small area northeast of Jacksonville
Lowell Marion Co.	12	Early Morning	Short	Narrow	0	0	3	0	Tornado
									Storm affected small area but destroyed two storage barns before dissipating
Lakeland Polk Co.	12	4:30 am	4	20	0	0	3	0	Tornado
									Storm moved northeastward across edge of city causing minor damages to roofs, trees and antennas. Several large plate glass windows blown outward from store fronts. Full force of storm apparently did not reach ground surface.
Daytona Beach Volusia Co.	12	8:40 am	1	20	0	0	3	0	Tornado
									Storm moved southeastward across Daytona Beach peninsula and on out to the ocean. Winds destroyed several large signs and damaged two commercial buildings on South Atlantic Avenue
Leesburg Lake Co.	12	8:30 am			0	0			Waterspout
									Waterspout seen on Lake Griffin.
Central Florida	12	Morning Hours			0	0	4		Wind
									Numerous local damaging wind storms reported from entire central peninsula between 1:00 and 10:00 am. Winds were associated with a vigorous squall line that moved southeastward across the state. Numerous uprooted trees, damaged signs and TV antennas were reported throughout the central peninsula on this date.
GEORGIA									
Most of State	13						3		Snow and Sleet
									Up to 4 inches of snow and sleet fell in parts of extreme north and snow flurries were reported in coastal sections. Schools were closed as driving conditions became hazardous over much of north. Some roads were closed.
Floyd County near Rome	24	pm			0	0	4		Wind and Rain
									Winds demolished several barns and other farm buildings and damaged two residences in rural Floyd County. Storm was described as "roaring like a freight train" and was possibly a small tornado. Heavy rains fell over most of north Georgia.
HAWAII									
									None reported

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1964

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
IDABO Entire state					10	4			Snow, wind
	month								Snow occurred very frequently, particularly between the 5th and 25th in all parts of the State. Total snowfall was the greatest in any January since 1952 at many stations, especially in the south-western portion of the State. Drifting snow on several occasions blocked access roads, particularly in the east and on the North-Central Prairies, halting traffic and necessitating closing of schools for up to a week in some districts. Icy roads and streets resulted in innumerable motor vehicle accidents, mostly minor, but with injuries requiring at least emergency hospital treatment for 10 persons. Snow slides occurred from time to time at widely scattered points around the State, generally causing no more trouble than temporary blockage of roads or highways. One such avalanche struck a fertilizer plant near Georgetown, causing considerable structural damage. Little structural damage from excessive snow loads was reported, but on several occasions heavy, wet snow broke extensive sections of power and telephone lines.
ILLINOIS Champaign County	19	8:55p			?	0	0	0	Hail
									Numerous reports of small hail. Stones 1" to 1 1/2" collected at one point but no major damage reported.
Effingham and Fayette Counties	24	6:55a - 7:45a			5	0	0	0	Hail
									Numerous reports of 1/4" to 3/8" hail covering ground, several reports of 3/4" hail with occasionally 1" deep on ground. Northeast of Altamont, 4 1/2 miles, stones averaged 1" diameter and as large as 1 3/4" with ground covered to 2". Hail fell nearly vertically with roof damage but no windows broken. Greatest damage in St. Elmo area where golf ball size hail broke nearly half the windows in six greenhouses.
INDIANA Central Indiana	12-13				0	5	0	0	Snow
									Continuous snow for 1 1/2 days and high winds caused closing of county roads and several main roads. Traffic was tied up south of Kentland where motorists took shelter in farm homes and city public buildings. No lives were lost and injuries were not noteworthy but rescue and snow removal expenses were high. Most all schools were closed at least one day. Rural schools had to wait 3 or 4 days for road plowing and resumption of bus service.
IOWA KANSAS									None reported
KENTUCKY Statewide	19-20	Night			0	1	5	0	Wind, electrical, rain, hail
									One woman was injured when a trailer was turned over by high winds. Extensive wind damage of varying types was reported from a number of areas throughout the state. A number of barns and outbuildings were flattened, some buildings were unroofed, and trees were blown down. At least one barn was set afire by lightning. High winds, hail, locally heavy rain, and electrical storms were associated with heavy thunderstorms in a number of areas as a cold front oriented north-south moved rapidly eastward across Kentucky during the night of the 19th and the early morning hours of the 20th.
Fulton County	24	4:30 - 4:35 p.	1/2	50	0	2	3	0	Tornado
									Six witnesses, in Riceville, Kentucky, near the Fulton, Kentucky, city limits, observed a black funnel dip down to the ground from a boiling white cloud. A large plate glass window of a grocery store was smashed while the roof of the store was lifted from the store and then returned in place. A commercial garage attached to the store was demolished, and there was varying damage to four homes in the community. Several small outbuildings were swept away, and utility lines were snapped. At least two persons were hit by flying glass or other debris and suffered minor cuts.
LOUISIANA Eastern portion of East Central and Southeast Divisions	1-2	Several days							Snow on ground
									The heavy Dec. 31 snow resulted in Jan. 1 starting with some roads, bridges, and overpasses closed. Snow depths in parts of St. Tammany Parish ranged to around 10 inches; New Orleans had around 3 inches, while 30 miles further W there was none. As the snow partially melted during the daytime of the 1st, highway restrictions were lifted but at night hazardous driving warnings were issued as snow and melt-water froze. Most of the remaining snow melted during daytime of 2nd.
Southeast Division	5-6	Several days							Fog
									Fog hampered all forms of travel. New Orleans International Airport closed to air traffic Sunday morning. Fog blamed for collision two vessels on Mississippi River near Mercaux about Sunday noon, minor damage above water line; river traffic reached near standstill Sunday afternoon, resumed slowly Monday night after having locked 87 ships in harbor. Search for 35-foot seine fishing vessel, missing in Gulf of Mexico, suspended by U. S. Coast Guard due to fog.
LOUISIANA (Cont'd) Northern and Central portion	16-17	am, 16th - am, 17th							Snow, freezing rain, sleet
									Snow, freezing rain, and sleet glazed roadways. Hazardous driving warnings issued especially for icing on bridges and overpasses. Icing conditions contributed to a number of accidents. Outgoing commercial flights halted temporarily at Shreveport Municipal Airport on 16th.
Coastal area	22-24	Several days							Fog
									Dense night or early morning fog blanketed coastal area. Air and river traffic halted. Highways open but movement hampered and State Police urged extreme caution; minor wrecks reported. Over six ships anchored off mouth of Mississippi awaiting fog to lift.
Rapides Parish	24	About noon							Rainstorm
									During heavy rainstorm, 582-foot television tower collapsed, wrecking two homes and one car in Washville Community. Station Manager said there was neither strong wind nor lightning at time.
Evangeline Parish	27	12:20 p.							Funnel aloft
									FAA observer reported funnel cloud 30 WNW Lafayette (92.5° W, 30.4° N).
MAINE Southwest and coastal	13-14				0	0	4	0	Blizzard
									Storm pounded the area and deposited from 8 to 16 inches of badly drifted snow. Gale winds filled the air with snow, reducing visibility to zero at times. Traffic became snarled and much delayed.
MARYLAND Statewide and District of Columbia	1-2				3	100+	4	0	Icing
									Light snow, sleet and freezing rain followed by sub-freezing temperatures gave a dangerous coat of ice to highways, streets and sidewalks. Some 60 minor traffic accidents from skidding were reported by Washington, D. C. police during the early hours of New Year's Day. Three were killed in separate traffic accidents in state. Over 100 persons were treated at Baltimore hospitals for injuries from falls on icy pavements.
Statewide and District of Columbia	12-13				10	28+	4	0	Snow, strong winds high tides
									Snow, ranging from 4-6 inches in southern areas, to 16-18 inches in mountains, was heaviest in 3-6 years for some areas; over the coastal areas of southern Eastern Shore it was mostly rain. Drifting snow kept road crews busy. At least two traffic fatalities occurred during storm. Two deaths in Baltimore and at least one in the state (Goldsboro) were caused by snow shoveling. Five deaths in Washington, D. C. were attributed to storm. At least 28 persons were treated in Baltimore hospitals for injuries from falls. High tides, 2 to 4 feet above normal, flooded many streets in Ocean City but little damage was reported. During snowstorm a thunderstorm was reported in both Talbot and Kent counties between 5 and 6AM of 13th.
Statewide and District of Columbia	21	early morning hours			0	0	4	0	Wind
									Strong gusty winds toppled into an adjacent building a cinderblock wall on 13th floor of a downtown building under construction at Washington, D. C. Minor damage, including interruption of electrical service by falling trees, was reported in scattered areas.
MASSACHUSETTS Statewide	1-2				0	0	4	0	Glaze, wind
									Precipitation occurred in the form of snow, sleet, freezing rain and rain. Most of the damage directly attributed to the storm resulted from a combination of ice accumulation and strong winds that downed trees and wires over interior parts of the state. Power and communication failures were widespread. Numerous highway accidents were mostly of a minor nature due to the slowed pace of traffic required on the ice-slicked roads.
Connecticut Valley	9-10				0	8	0	0	Glaze
									Freezing rain paved highways with an icy sheen and caused the most hazardous travel conditions of the winter to date. Drivers frequently lost control of their cars and numerous collisions resulted.
Statewide	10				0	0	4	0	Wind
									Westerly gales did widespread, mostly minor, damage across the state.
Statewide	13-14				3	0	4	0	Blizzard
									Storm dumped 10 to 20 inches of badly drifted snow over the state. Winds gusting to more than 60 m.p.h. raised drifts up to 5 or 6 feet while some wind-blown spots were swept bare. Drifting snow filled the air, reducing visibility to zero at times. Driving was extremely hazardous, traffic was slowed to a crawl and many cars were abandoned where stalled on streets and highways. Power and phone outages were widespread. Three deaths resulting from exposure and exhaustion were directly attributed to the storm. Six other fatalities resulted from heart seizures induced by shoveling snow. In Boston alone, snow removal costs were estimated at \$600,000.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1964

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
MASSACHUSETTS (Cont'd) Eastern and central sections	20-21				0	0	5	0		Rain
	A driving downpour dumped 1/4 to 2 inches of rain over the area and caused widespread flooding and power failures. The combination of rain and melted snow sent streams of water pouring into cellars and conduits and left many streets under several inches of water.									
	Northern Berkshire Co.	26				0	0	3	0	
Extremely slippery conditions obtained in the afternoon as a result of about an inch of rain on 25th and a brief but sharp snowstorm on the 26th. Massive tie-ups occurred as automobiles were unable to negotiate hills or obtain traction even on some level stretches. Sanding and salting eventually eased the situation.										
Statewide	27-28				0	0	5	0		Wind, snow
	Coastal storm, attended by winds of gale to hurricane force especially along the coast, yielded from about 4 to 12 inches of snow in central and northeastern sections and up to 15 inches in the Berkshires. Cape areas received up to 1 or 2 inches of rapidly melting snow. Winds of hurricane force occurred over Eastern Mass. including Cape Cod with gusts up to 107 m.p.h. reported at Race Point Light station in Provincetown. Damage caused by wind was heavy and general through these areas. Trees, wires, and signs were downed, TV antennas and chimneys were damaged or broken and plate glass windows were blown in. At East Sandwich, a falling tree crushed a parked car. A historical museum building at Race Point Light station was struck and damaged by a falling tree. At Wellfleet, a 50-foot house trailer was blown over. Heavier, windblown snow on the mainland filled the air, lowering visibility to near the zero mark. Visibility was described as "unbelievably bad" at Gloucester. Heavier snowfall in south-central and western parts of the state fouled traffic and was responsible for numerous highway accidents.									
MICHIGAN Southern Lower Michigan	25	3:00 a.m. - 11:30 p.			3	1	4			High winds
Father and infant son killed and wife injured when a 20 inch diameter wind felled tree limb struck their moving car near Saugatuck. Construction worker killed when high winds collapsed wall of building under construction in Detroit. High winds up to 60 miles per hour felled numerous trees and limbs throughout the area with resultant damage to buildings and homes.										
MINNESOTA Statewide	23, 24, 25							5	0	Glaze, Snow, Wind
Freezing rain and drizzle changing to snow fell south of a line from Alexandria to Pine City over central and southeastern Minnesota the evening of the 23rd through the 25th into the 25th. Ice accumulation in the Minneapolis-St. Paul area was 1/8 to 1/4 inch thick. New snow fell statewide and ranged from 3 to 10 inches with heaviest amounts over the Arrowhead on the 24th and 25th. Strong winds accompanied the snow with gusts in the Twin Cities near 40 mph and 50 mph in the Duluth area. Hundreds of pedestrian slipping and automobile accidents occurred in urban areas. Public transportation delayed many hours. Property damage occurred to commercial signs, TV antennas and to ornamental shrubbery. No breakage reported regarding telephones and power lines. Ice accumulation and slippery road conditions remained until above freezing temperatures returned on the 30th and 31st.										
MISSISSIPPI Eastern and Southern sections	1-2	Several days								Snow on ground
The snowfall, which continued from Dec. 31 near the eastern border, ended during am of Jan. 1. Heavy snow belt SW portion Coastal Division NE into Alabama, lesser amounts either side. Depths ranged from near 11 inches in parts of Hancock County to around 15 inches near part of the eastern border. Highway and airplane traffic, which had been stopped or retarded during the night, was resumed on the 1st. Snow on ground partially melted during daytime and refroze at night, but remained on ground for 2-3 days at many places. Highway Patrol posted hazardous driving warnings mostly in E. At least two deaths attributed to icy roads.										
Lafayette County Oxford	8	5:00 p. - 5:05 p.	1.5	2600	0	0	3	0		Hail, lightning
Storm from SW moved NE; hail covered ground to 3-inch depth. Most hail about 1/2 inch, some 1 inch in diameter. Damaged automobiles, roofs, etc. Some lightning damage.										
Mississippi Sound off Pass Christian, Harrison County	23-24									Fog
Man lost over 12 hours in soupy fog, located 12:20 am in small oyster boat about 600 feet off Bay St. Louis shore; over 100 Civil Defense searchers in 30 boats.										
Central portion of State	24	Afternoon			0	Few	5	0		Wind, flooding
A line of thunderstorms moved across the State accompanied by high winds. YAZOO COUNTY: Shortly after noon, Yazoo City reported gusts to 55 m.p.h. with heavy rain but no thunder, two houses blown down, 120-year old oak tree uprooted. HINDS COUNTY: Cars stalled in drenching downpour, and then some streets closed, Jackson underpasses flooded. RANKIN COUNTY: About 3 pm, 20 E Jackson (32.4° N, 89.9° W), one barn, some homes, and chicken houses damaged, trees twisted; Palahatchie School gymnasium roof partially ripped, blown gravel from roof smashed school shop windows, some students re-										
MISSISSIPPI (Cont'd) Central Portion of State (Cont'd)										
ceived slight cuts from flying glass; roof of administration building and auditorium damaged. WEBSTER COUNTY: About 3:30 pm, several roofs damaged and trees uprooted 2 N 4:13 pm, 15 W Meridian (32.5° N, 88.8° W), Damascus house trailer damaged, trees uprooted.										
Harrison County	31	7:50 a.								Hail aloft
Pilot reported severe turbulence and base-hill-site hail at 2,000 feet near Bilcki (30.4° N, 89.0° W).										
MISSOURI										
St. Louis County	19	6:52-7:10 PM						4		Thunderstorm
Reports of numerous places in St. Louis area with ground covered up to one-inch deep with hail. Numerous windows broken by gusty winds.										
Holland, SW Dunklin-Pemiscot County	19	8:15 PM						4		Thunderstorm
House trailer overturned, power lines down, and a barn demolished.										
Yacon Yacon County	23	6:00 PM						4		Thunderstorm
Damage to water pumps and several power lines when hit by lightning.										
Hartville Wright County	24	Afternoon						4		Thunderstorm
Many windows broken, and roofs of homes and farm buildings damaged by hail.										
Pacific St. Louis County	24	1:40 PM								Funnel Aloft
Malden Dunklin County	24	2:55 PM								Funnel Aloft
MONTANA										None reported
NEBRASKA										None reported
NEVADA										None reported
NEW HAMPSHIRE Southeastern portion	9-10				0	25	0	0		Glaze
Freezing rain glazed highways causing very hazardous travel conditions for cars and pedestrians. Numerous traffic accidents occurred and a number of pedestrians were injured in falls on slippery surfaces.										
Southern portion	13-14				0	0	4	0		Blizzard
Storm yielded 10 to 15 inches of badly drifted snow. Gale winds filled the air with the dry snow reducing visibility to zero at times. Traffic became snarled and was much delayed.										
NEW JERSEY Statewide	12-13				2	0	5	0		Heavy snowstorm
A heavy snowstorm which began during the evening of the 12th and lasted until late evening of the 13th reached blizzard intensity at times. Snowfall over the State ranged from 8 to 16 inches, winds frequently reached 40 mph with higher gusts, and there was much drifting of the snow. Temperatures remained in the teens or low twenties. At least two fatalities, involving over-exertion, were reported as a result of the storm. Transportation facilities were badly disrupted, and some communications lines were brought down by the storm.										
NEW MEXICO										None reported
NEW YORK Western and southern portions	1-2	Early p.m. on 1st to early p.m. on 2nd			3	3				Snow, freezing rain, wind
Storm included heavy snow in western third of state and along south shore of Lake Ontario and snow mixed with freezing rain in south central, east central and southeastern counties on 1st. Strong westerly winds followed on 2nd. Snowfall totaled from 8 to 12 inches in western third most of which fell in 6-hr. period between 2 p.m. and 8 p.m. Streets, N.Y. Thruway, and highways almost impassable with heavy New Years Day traffic. Airports closed at Buffalo and Rochester. Three deaths reported due to overexertion. Three injured by falling debris as heavy snow caused building to collapse at Jamestown. Snowfall amounts decreased to 4 to 8 inches in eastern and northern sections of upstate. Freezing rain afternoon and evening in Hudson Valley, southeastern highlands and southeastern counties produced very hazardous driving for holiday traffic. High winds plus weight of snow caused building collapse in Watertown as winds of 40 to 50 mph buffeted areas along Great Lakes. Utility lines withstood freezing rain and winds with only slight damage.										

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1964

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
SOUTH CAROLINA (Cont'd) Most of South Carolina	20	Late morn to late aft.			0	1	4	0	Windstorm
									Considerable minor damage to plate glass, roofs, trees and power lines throughout the state.
SOUTH DAKOTA									None reported
TEXNESSEE									
Statewide	12-13				0	0	4	0	Snow and ice
									Snow and ice covered the ground over most of the state making roads slick and driving conditions extremely hazardous. Hundreds of minor traffic accidents occurred and weather related traffic accidents caused a few fatalities. Snow accumulations were light except about 8 inches on the Cumberland Plateau and up to more than 10 inches in the northeast. Tri-City Airport near Bristol was closed and schools were closed 1 to 3 days in many counties. Ice accumulations up to 4 inches in diameter on power lines in Grainger and Jefferson Counties caused considerable damage.
Statewide	19-20	Night and early morning			0	9	5	0	Wind, lightning, hail, and rain
									A line of violent thunderstorms, with gale force winds and hail swept across Tennessee causing extensive damage. Winds downed power and telephone lines, damaged or destroyed houses and other small buildings, overturned boats and house trailers, uprooted trees which damaged automobiles and smashed roofs, and did extensive television antenna and window damage. A family of 5 near Clarksville, Montgomery County, received cuts and bruises when their house was unroofed and the walls caved in. A woman was hospitalized for injuries suffered when her trailer home was overturned at Clarksville, and a man and his wife were hospitalized for injuries by the storm at Dover, Stewart County. At Memphis a girl received minor injuries when a tree fell in the path of her car. Several fires were started by lightning, one of which destroyed the Berryville Methodist Church in Nashville. Hailstones from the size of marbles on down were reported in many sections and caused roof and window damage in a few locations. A few cases of water damage to home furnishings were reported.
Near Ripley, Lauderdale County	24	Afternoon			0	0	4	0	Wind
									Strong winds struck between Edith and Nankipoo. Tenant houses and farm buildings on two farms were demolished and the contents ruined or blown away.
TEXAS									None reported
UTAH									None reported
VERMONT									
Southern portion	13-14				0	0	4	0	Blizzard
									Storm yielded up to 20 inches of snow with most sections reporting more than 10 inches. Storm was most severe near the Massachusetts border. Route 9 was closed from Bennington to Brattleboro. Plowing was nearly a hopeless task as gale winds drifted the snow back across streets and highways soon after the plows passed. The storm snarled traffic and plagued hardy pedestrians trying to get home.
U. S. VIRGIN IS.									None reported
VIRGINIA									
Western half of the state	20-21	Night			0	1	4		High winds
									Minor but extensive wind damage occurred in the western half of the state late Monday and early Tuesday. The high winds resulted from a strong pressure gradient between a deep low pressure wave off the coast and a high pressure system centered over the gulf states. Winds in excess of 50 miles per hour were common in the western and northern counties, and Roanoke reported one gust at 73 miles per hour at 7 PM on the 20th. Widespread interruptions of power and communications resulted because of trees falling across the wires. Reports of broken windows, signs and shingles blown off, and minor damage to buildings were numerous. A one-story house was destroyed at Covington in Alleghany County. A man was hospitalized at Bedford as his trailer house was struck by a tree.

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
WASHINGTON									
West of Cascades	16-17	Night			0	0	4	0	Wind
									Strong southwesterly winds occurred as weather disturbances from over the ocean moved inland during the early morning hours on the 16th and 17th. A combination of high tide and strong winds resulted in damage to waterfront property along some of the beach areas in Puget Sound.
Entire State	19				0	0	5	0	Wind
									The most intense storm of this winter season moved across the State on the 19th. The center of the low pressure area moved eastward across southern British Columbia. Sea level pressure readings dropped to near the lowest on record. Winds over the northern half of western Washington reached velocities of 40 to 50 MPH with gusts of 60 to 75 MPH. Power and communication lines were down in many localities and property was damaged by falling trees. Several store windows in the Puget Sound area were broken by the high wind. East of the Cascades, wind velocities were less, however, some property damage was reported.
WEST VIRGINIA									
Northern half of State	12-14								Snowstorm
									The 2-day storm from January 12-14 deposited the largest snowfall over the northern half of the State since the end of November 1950. Falls were 10-20 inches but up to 30 inches over the mountains. Schools and airports were closed for 2 days, and automobile and bus traffic paralyzed.
WISCONSIN									None reported
WYOMING									None reported

- † 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.

SUBSCRIPTION PRICE: 15 cents per copy; yearly subscriptions \$1.50 domestic, \$2.00 foreign. Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to "Superintendent of Documents, Government Printing Office, Washington 25, D. C."

USCOMM-WB-Asheville, N. C. -2/28/64-1000