

U. S. DEPARTMENT OF COMMERCE  
ALEXANDER B. TROWBRIDGE, Secretary  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
ENVIRONMENTAL DATA SERVICE

# STORM DATA

JANUARY 1968  
Volume 10 No. 1



ASHEVILLE: 1968

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1968

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM			
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS				
Alabama Dale and Barbour Counties	23	4:30 p	10	200	0	0	5	3	Tornado	Georgia Northwest	8-9				0	0	4	0	Glaze and sleet			
									Tornado struck in Center Ridge Community of Dale County and skipped northeast in rural area ending near New Hope Community in Barbour County. Approximately 12 houses damaged, 1 house demolished and numerous barns and utility sheds damaged or destroyed. Timber damaged in several spots.										Freezing rain and sleet occurred over much of the northwestern third of the State. Damage to utility lines was reported in many communities but service interruptions were usually brief. Most damage was due to falling tree branches. Roads were closed in many areas and several counties closed their schools for one or two days. Falls accounted for many minor injuries.			
Alaska									None reported	Savannah, 60 miles southeast	10	6:20 p			0	2	?	0	Turbulence			
Arizona									None reported										Convair 880 reported extreme turbulence at 35,000 feet. Two passengers injured. Plane landed at Jacksonville.			
Arkansas Central and East-Central Arkansas	2-13				6		6		Ice and glaze	North and Central	12-13				0	0	4	0	Snow, sleet and glaze			
									A glaze-ice-snow combination in this period affected at least 25 counties in a 50 to 75 mile wide band stretching up from Magnolia and El Dorado to Pine Bluff and Little Rock thence eastward to the Blytheville, West Memphis and Marianna area. There were 6 deaths, numerous injuries and 1.5 billion dollars of damage.										Freezing rain, sleet and snow over the northern two-thirds of the State produced hazardous driving conditions and forced the closing of most roads over the area. Numerous accidents were reported. Utility service was interrupted for varying periods in numerous communities but overall damage was generally light. Damage was less in more northern areas where snow predominated.			
									A freezing drizzle-producing glaze on the 2nd and 3rd caused traffic problems. This was followed by separate waves of freezing rain and sleet occurring from the 5th through the 10th of the month. The end came with a 2 to 5 inch snowfall in the north-east and east-central counties on the 13th.	Hawaii Pearl City, Waialua, Oahu	5	2:00 a.-4:00 a.			0	0	0	0	C	Rain		
									Southwest Bell Telephone Company estimated \$1,000,000 damage affecting 15,000 customers in nearly 20 cities. Arkansas Power and Light reported \$500,000 damages involving 55,000 customers.										Torrential rains accompanying thunderstorms caused Waimanu and Waialua Streams to overflow. Flash flood waters over six feet deep did an estimated \$1,200,000 damage to Pearl City Shopping Center, Waimanu Elementary School, and other property in Pearl City and Waialua areas. Several homes and crops adjacent to the streams completely destroyed; other homes damaged. No lives lost, but scores of animals drowned and buried beneath tons of mud. A recording rain gage near Pearl City reported approximately 2 inches of rain in 15 minutes and 3-1/2 inches in about 45 minutes.			
									3 lost their lives in auto accidents, 1 died of exposure and 2 teenage boys in Little Rock were killed in a sledding accident. Numerous people were admitted to hospitals with bruises and broken bones due to falls on ice.	Maalea Bay, Maui	13	Day			0	0	0	0		Funnel cloud		
California Crescent City	13	5:00 pm			0	0	0	0	Waterspout										Funnel cloud reported over Maalea Bay "moving from cloud to cloud" towards West Maui Mountains.			
									A waterspout over the ocean, southwest of the city, reported on the airways sequence.	Islands	16-17				0	0	0	0	C	Rain, wind, lightning		
North coast	14-15				0	0	4	0	Heavy rains										Lightning and high winds from severe thunderstorms associated with strong cold front did scattered crop and property damage over State. Two warehouses in Honolulu's Kapalama district suffered considerable damage from highly localized winds at 11:25 a.m., the 16th. Gusts exceeding 50 miles an hour reported at Lihue, Kauai; Barber's Point Naval Air Station and Kaneohe Marine Corps Air Station, Oahu; Kahului, Maui. Lightning struck and slightly damaged a house in Aiea, Oahu and another in Kailua, Oahu, and knocked 3 TV stations off the air. Numerous power failures were reported. Small hail (1/8" diameter or less) reported at Kealahou and Papaikou, Hawaii shortly after 1:00 p.m., the 16th.			
									Massive earthslides, the result of heavy rain, blocked major highways.													
Central California	29-30				0	0	5	0	Rain and snow	Kawaihae-Puako Coast, Hawaii Island	23	Morning			0	0	?	0	Surf			
									Heavy rains resulted in the flooding of homes and stores in the San Jose area. Rain and snow caused slides that blocked the Feather River route to both motor and rail traffic.										High surf, moving in from the southwest, swept into several houses, beached some small boats in Kawaihae-Puako area on Hawaii's west coast. No estimate of damage.			
Colorado									None reported	Oahu	27	Morning			0	0	?	?	Rain			
Connecticut Northwest	7	All Day			0	0	5	0	Wind and snow										Thunderstorms and heavy rains totalling 2 to 4 inches flooded some streets in Honolulu and covered two others with mud. Heavy rains also fell on Kauai, Molokai and Maui.			
									Cold, snow and high winds combined to down trees, snap power lines and cause many traffic accidents and some injuries. In parts of Litchfield County, 3-5 inches of snow was piled into 20-foot drifts. In Plainville, plate glass windows were smashed and a storage building was demolished. Many schools in Litchfield County were closed on the 8th.	Oahu	28	Morning			0	0	0	0	0	0	Waterspouts, funnel clouds	
Statewide	14	All Day			0	0	5	0	Glaze										Three waterspouts, one an estimated 1/4 mile from shore, reported off Maui Point, Oahu just after 9:00 a.m. Associated with heavy rainshowers. Funnel clouds sighted west of Honolulu Airport at 10:05 a.m., and another waterspout off Waikiki Beach at 11:00 a.m. Weather Bureau personnel at Honolulu Airport reported waterspout 5 miles southeast at 11:15 a.m. churning the sea and stationary. Lasted 5 minutes. Extended in a curved shape from towering cumulus clouds.			
									Freezing rain and sleet was responsible for hundreds of skidding accidents with some injuries and several power failures. Glazing forced Bradley Field, Windsor Locks, to close for several hours beginning at 5 PM. When precipitation changed to rain late in the day, frequent flooding resulted because frozen drains remained clogged. Schools in Waterbury, Waterdown and Naugatuck were closed on the 15th.	Idaho												None reported
Delaware Statewide	2-5	Late PM thru AM							Glaze	Illinois									None reported			
									Freezing rain or drizzle made streets and highways difficult for travel. Police reported fender-bender traffic accidents too numerous to list; however, no serious accidents were attributable to the glaze.	Indiana											None reported	
Florida Dunedin, Pinellas County	23	10:10p.	1/8	50	0	0	4	0	Tornado	Iowa									None reported			
									Small tornado touched down in the Spanish Trails section of Dunedin. Three homes were damaged and numerous trees uprooted. Hail was observed in the area. It is believed that the same impulse crossed the city of Tampa causing considerable tree damage and some broken windows in the vicinity of West Shore and Kennedy Blvds.	Kansas												None reported
Auburndale, Polk County	24	1:30a.	short narrow		0	0	0	3	Tornado	Kentucky West	13				0	?	?	0	Glaze			
									Tornado hit a grapefruit grove on the Old Dixie Highway about a half-mile west of the Berkeley Road intersection. Trees on both sides of the highway were uprooted and hundreds of boxes of grapefruit were blown off the trees.										Snow and ice downed utility lines in many areas of western Kentucky. Some of the counties affected here - Trigg, Caldwell, Christian, Daviess, Henderson, McCracken, Graves, Lyon, Hopkins, Calloway. A number of persons were without electricity for heating or cooking, and there were a number of homes without telephone service. A typical description of damage stated that, "Utility lines in the city and county were circled with a heavy ring of ice which seemed to build up. The weight broke many lines in the county where the spans were longer". See January 1968 issue of ESSA publication CLIMATOLOGICAL DATA KENTUCKY for additional details.			

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1968

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 Northern, Central, and Western Parishes	8-9				0	?	*6	C	Ice-Sleet
		Sleet and freezing rain coated about the northern two-thirds of the State with some highway icing and sleet reported as far south as Lake Charles, Jennings, Eunice and Marksville. Accumulations were up to 1 inch in many places in Northwest Division. Damage was widespread around Shreveport where ice-weighted trees and branches crashed into cars, roofs, and powerlines. A Forestry Commission spokesman estimated actual and unrealized damages (reduced quality) to commercial trees in Northwest Louisiana at one-half million dollars. Over 50 minor auto accidents were recorded in Calcasieu Parish and Lake Charles on the 8 <sup>th</sup> , mostly on icy bridges and overpasses.							
Iberia Parish	17	a.m.			2	2	4	0	Fog
		Trucks forced to stop by thick fog intensified by smoke were rammed by another truck and motorcycle, with fatalities resulting. Three other accidents on nearby highway during afternoon when wind shift spread smog.							
Rapides Parish	22	7:10 a.m.			0	0	3	0	Wind
		Sudden wind gusts reached 60 mph briefly, but billboards in half, knocked utility lines loose from poles, and caused minor roof and carport damage in Alexandria.							
Maine Washington County	1				0	0	4	0	Snow
		Heavy, wet snow froze to trees and wires. Trees and shrubs damaged and utility lines were broken.							
Southern half	7-8				2	0	4	0	Snow, wind
		Snowfall ranging mostly 4 to 12 inches on 7th was followed by high winds and plummeting temperatures the next day. Much drifting. Traffic hampered and many motorists were marooned. Schools closed. Wind gusts to 60 mph were reported. Two deaths were attributed to storm.							
State	15	A.M.			0	0	3	0	Glaze
		Freezing rain over much of state glazed highways, coated trees and wires, and crusted the snowcover.							
Southern half	30	Midday			0	0	0	0	Glaze
		Scattered areas of freezing rain.							
Maryland Statewide	2-3	Late PM thru AM							Glaze
		Freezing rain or drizzle made streets and highways difficult for travel. Many minor traffic accidents were reported. Worst driving conditions appeared to be on Eastern Shore. Pedestrian falls were also numerous. Johns Hopkins Hospital, Baltimore treated as many as 35 persons for minor injuries on the 3rd. Ten Maryland counties closed their schools.							
Statewide	3-4	PM - AM							Glaze
		For the second successive overnight period, freezing rain or drizzle made streets and highways difficult for travel. Near Frederick, a tractor-trailer truck skidded and struck a car carrying two passengers; one of the passengers in the car was killed and the other very seriously injured.							
Chesapeake Bay area	8-13								Ice
		Ice conditions were severe during this period; for many of the tributaries, it would continue for about another week. Convoy duty by Coast Guard cutters was active during this time. An unusual feature was the pile-up of ice on western shore by strong northeasterly winds.							
Statewide except Garrett County area	14	All day							Rain
		Unusually heavy one-day rainfall, as much as 2 inches or more, brought an end to the very cold weather which had persisted since late December. The maximum total was 2.70 inches at Catoctin Mountain Park. There was minor flooding; also, some ice jams were reported in the west.							
Garrett County area	14	All day							Snow
		Heavy new snowfall 10 to 14 inches brought depths to 20 to 30 inches over the county. Strong easterly winds caused drifting to 15 to 17 feet; many roads were blocked. Schools were closed on the 15th and the 16th.							
Massachusetts Northeastern portion	3	Midday			0	0	0	0	Glaze
		Freezing rain caused very slippery roads. Many accidents, with several on Rte. 93.							
Massachusetts (continued) State	8-8				4	0	6	0	Snow, wind
		Snow, mostly on the 7th, accumulated generally 5 to 10 inches in eastern half of state and lesser amounts in west. Followed on the 8th by plummeting temperatures and snow-drifting winds. All forms of transportation slowed. Most schools closed. Many buildings damaged or collapsed from accumulation of ice and drifts. Wind gusts to 60 mph and higher reported. Four deaths attributed to storm. Frostbite common.							
State	14-15				0	0	4	0	Glaze
		Freezing rain over much of state. Ice built up to 1/2 inch or more in some areas. Damage to trees and utility lines. Many accidents on icy roads.							
Eastern half	24				0	0	0	0	Glaze
		Scattered freezing rain.							
Eastern portion	25-26				0	0	5	0	Snow
		Generally 5 to 10 inches snowfall slowed all forms of transportation. Many schools closed.							
Western and northern portions	28, 29, 30				0	0	0	0	Glaze
		Freezing rain in many areas.							
Michigan									None reported
Minnesota									
6 NW Grand Meadow Mower County	28	evening			0	0	4	0	Lightning
		Lightning struck a barn near Grand Meadow and it burned to the ground. At Plainview lightning caused extensive damage to the roof and inside wiring of a home. Near Stewartville it struck a home.							
Plainview Wabasha County									
4 E Stewartville Olmstead County									
Mississippi Washington County	2-3				0	0	?	0	Heavy Rain
		Rain flooded Greenville's drainage systems; after rain on 3rd some streets were filled with water most of day. Municipal Engineering Department estimated city streets with curbs and gutters were flooded on at least 50 percent of their surfaces and all alley ditches overflowed. City street department reported: during heavy rains (as on 3rd) the department has "at least 30 men" on the streets checking drainage inlets and ends of pipes; by morning of 4th practically all water drained off except a few low spots.							
Coastal Mississippi	2-3								Fog
		Airline, ship and highway traffic severely curtailed or halted completely in some cases due to fog. Accidents mounted on highways as fog hid dangers from drivers and traffic slowed. HANCOCK COUNTY: Bay St. Louis police reported fog so thick drivers were required to proceed at 10 miles per hour or slower inside the city. HARRISON COUNTY: Air traffic at Gulfport Municipal Airport reported shut in since early on 2nd by adverse weather. Banana cargo ship lay idle at Ship Island Pass awaiting fog lifting. JACKSON COUNTY: British ship awaited offshore on bar at Pascagoula for better conditions before proceeding to port.							
Clay County	9-10				0	0	?	0	Heavy Rain
		After some 30-odd hours of rain, County streams were out of their banks, and narrow pits along roads and highways were full to brim. West Point city streets and County highway roadbeds received considerable damage from flood conditions and a few homes in low areas have silt in the living room. On 13th County Agent reported no field work done past week.							
Northern Mississippi	12-13-14				0	0	6	0	Heavy Snow
		State Highway Department reported "we used about 250 tons of chemicals on the roads" (mainly to bridges, hills, and intersections) in 21 counties to reduce driving hazards in snow and ice. Snow commenced in pm of 12th in many sections. As rivers rose from previous heavy rains, they extended along the banks into low-lying areas; Highway Department ordered two highways in Columbus area closed. Hazardous driving warnings were issued. Early on the 13th, bridges in nearly all northern areas were slick because of ice; many trucks and cars were stalled on Delta hills. Highway Patrol Dispatcher said in evening of 13th most roads were "just about impassable" north of Highway 82. On 14th snow fell for third day in some sections and a number of church services were cancelled. Because of bad roads, many County and other schools cancelled classes for the 15th chiefly in NE Mississippi; employees of some businesses were not at work. Itawamba County schools were also closed 16th. In some places the accumulated snow had a depth of about 4 or more inches. One County estimated road damage repairs approaching half a million dollars.							

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1968

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		
Missouri			None	reported						
Montana			None	reported						
Nebraska			None	reported						
Nevada			None	reported						
New Hampshire State	7-8		Generally 5 to 10 inches of snow fall on 7th was followed by plummeting temperatures and snow-drifting winds of 8th. All forms of transportation slowed. Frostbite common. Wind gusts to 60 mph reported.		0	0	4	0	Snow, wind	
Central and southern portions	14-15		Freezing rain iced roads and coated trees and wires.		0	0	3	0	Glaze	
State	29-30		Freezing rain iced roads and coated trees and wires.		0	0	3	0	Glaze	
New Jersey			None	reported						
New Mexico			None	reported						
New York										
Great Lakes Plain	13-14	p. m. to p. m.					4		Freezing rain	
			Highways, utility wires, limbs and other exposed surfaces covered with one half-inch coating of ice crippled lake plain from Buffalo area to greater Syracuse. Many auto accidents on major and secondary highways; airports closed most of day on 14th. Schools, mostly in rural areas, and some industries closed on 15th, due to icy secondary roads and hazardous travel. Damage to utility lines and trees widespread but relatively light in local areas as well as total in all of affected area.							
Southwest	30-31								Flooding	
			Thawing temperatures, melting snow and moderate amounts of rain combined with ice jams to cause considerable stream flooding in southwestern tier from Chautauque to Steuben Counties. Fifty families forced to evacuate near mouth of Cattaraugus Creek. Ice jam broken by dynamite to ease serious flood threat to village of Silver Creek. Ice jam and high water in Chemung River at Campbell, Steuben County, flooded nearby streets and basement of school. Moderate rains, snowmelt and frozen ground caused scattered flooding of basements, yards and streets in Niagara Falls, Lockport and Rochester areas.							
North Carolina										
West	6-7						4	0	Ice storm	
			A period of precipitation which fell as rain or drizzle and formed a coating of ice on streets, highways, trees, shrubs, power and communications lines in some areas. Damage was scattered and mostly minor. A few related accidents.							
Statewide	9-13				?	?	6	0	Ice storm	
			A period of freezing rain, sleet and snow during which outdoor surfaces in almost all areas of North Carolina became heavily coated with ice. In a large area east and south of Raleigh poles and lines were broken to the extent that several entire counties were without electricity or telephone for periods of one to five days. One of several telephone companies affected reported losses in mid-category five; one power company reported costs in category six with 2000 linemen working on repairs several days and nights. Trees and shrubs were broken over an even larger area. Throughout most of the state traffic was severely curtailed. No deaths or injuries are known to have resulted from the direct action of the weather, but at least five people were killed in weather-related traffic accidents, and thousands required hospital treatment for injuries received in traffic accidents or in falls on the ice. Widespread lack of power caused some economic losses and a great deal of discomfort. Much loss of time from school and business closings. A few roofs fell from weight of ice.							
Statewide	24-25						5	0	Ice storm	
			A third period of precipitation which resulted in glaze formation over large areas of North Carolina. A larger proportion fell as snow, however, and the duration of hazardous surface conditions was shorter and accumulation of ice not as heavy as that of 9-13. Loss of power in spots; a few traffic accidents associated with ice on roadways. Schools closed one or more days several cities and counties.							
North Dakota Entire State	12/30/67 to 1/10/68				1				Cold wave	
			Temperatures were generally well below zero over state but rose above zero for brief spells at some locations, a few northern and northeastern locations had temperatures below zero entire period. From December 30 through January 7, Williston, Bismarck, Fargo, and							
North Dakota (continued)										
			Devils Lake minimum temperatures ranged from -21° F to -43° F. The coldest temperature, -45° F, occurred at Willow City on January 1 but 5 stations reported minimums of -43° F on December 31; Bismarck was one of these, setting a new all time low for December for that location. Maximum temperatures below -15° F occurred at many locations; a few had maximums below -20° F. Winds were generally moderate during this period; the fastest miles reported were 40 m.p.h. at Bismarck and Fargo and 47 m.p.h. at Williston. Cold wave began to lose its grip on January 8 but persisted at some locations through January 10. One death resulted; a 46 year old man was found frozen to death at New Town on January 4.							
Red River Valley	10, 11				0	2	?	0	Blizzard	
			Near blizzard to blizzard conditions occurred over the Red River Valley of North Dakota the evening of January 10 and morning of January 11. Southerly winds near 70 m.p.h. reportedly occurred in the southern part of the valley. Temperatures were as low as -13° F at Fargo during the storm. Winds in the northern part of the valley were much lighter. 16 cars of a train were derailed at Manvel, N.D. when the train struck a semi-truck. Indications are that poor visibility due to blowing snow may have been the cause. The driver of the truck and the train fireman were injured. Some damage was caused to power lines and other structures, extent unknown. Some schools were closed and driving was very hazardous.							
Ohio										
Entire State	13-15	Morning 13th - Afternoon 15th					?	?	?	Snow and Wind
			A series of severe snowstorms began on the 13th and continued intermittently through the 15th. During this period most areas received from 5 to 25 inches of snow. Snowfall amounts of 20 inches or more covered most of Coshocton, Maskingum, and Perry Counties. Over the western half of the state snowfall amounts were generally 5 to 8 inches while most remaining areas received 10 to 20 inches. Strong winds caused drifting and many roads and streets were still covered on Monday, January 15, due to heavy drifting. Due to the widespread nature of these storms damage and personal injury and death estimates are not available.							
Entire State	28-31	Intermittent			0	0	5			Rain and Flooding
			Rains of January 28-31 plus the melting of mid-January's heavy snows and local ice jams (especially along northern rivers) caused streams and rivers to rise throughout the state. During this period the average rainfall over the state's 10 climatic divisions ranged from 0.80 inch over South Central areas to 1.40 inches over Northwest, North Central, and Northeast areas. Heaviest damage occurred in the Vermilion and Eastlake areas along Lake Erie where ice jams caused local rivers to rise above flood stage. About 400 families were evacuated from these communities and damage was estimated at more than \$250,000.							
Oklahoma Northwest Two-Thirds of State	2-4	Evening, 2nd - Morning, 4th			0	0	?	0		Glaze
			Light freezing rain and drizzle glazed streets and highways across the Panhandle and northern two-thirds of Oklahoma as a cold front moved southward across the State on the 3rd. Morning lows on the 3rd varied from the tens in the Panhandle into the teens elsewhere with afternoon highs only warming into the 20's to maintain the glaze which began melting by late morning of the 4th. Numerous cars and vehicles slid off roads or were involved in accidents. Driving conditions were considered hazardous even though some streets, bridges and highways were sanded. Many schools were closed 1 to 2 days in the north-central area from Woods to Pawnee Counties.							
Statewide	6-8				0	0	?	0		Cold and glaze
			Coldest weather of the winter followed into Oklahoma behind an arctic cold front which slipped southward across the State between midnight and noon on the 6th. Blowing light snow, freezing drizzle, and some sleet helped to lightly glaze highways and bridges. Slick roads triggered many accidents but cleared during the day. Winds gusting to 30 and 45 MPH accompanied the lowering temperatures which dropped into the teens during the day. Morning of the 7th was coldest as lows ranged from 7° in the south to near zero in the north and down to -5° at both Jay and Miami. Frozen water pipes were reported in several communities before temperatures began moderating on the 8th.							
Statewide	8-10				0	0	?	0		Ice storm
			A major ice storm and worst of the winter in the southeast two-fifths of the State moved northeastward across the area early on the 8th. Sleet fell first then reoccurring freezing rain built up a 1/3- to 1/2-inch glaze on highways. Traffic slowed to a crawl with many dozens of trucks and cars sliding off roads or involved in minor accidents. Some roads were closed to traffic in McCurtain, Atoka, Coal, and Pittsburg Counties where schools were also closed down. Numerous persons received cuts and broken bones from falling on the ice. A massive traffic pile-up developed in the vicinity							

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1968

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	
Oklahoma (continued)									of Limestone Gap on US69 between Kiowa and Atoka. After the first truck overturned, several others jackknifed on the slick hill and 40 other cars and trucks became involved. Stalled and blocked vehicles numbered 150 at one time and more than 100 trucks remained in a three-mile line over night.
Oregon Pacific			None reported						
Pennsylvania Southeast	11	late afternoon					4		Wind & Sleet
Puerto Rico			None reported						
Rhode Island Statewide	14	All Day			0	0	5	0	Glaze
									The largest group of casualties of a gusty sleet storm were electric and telephone lines, as fallen wires disrupted service in many places. At Lebanon \$500 damage was caused to a Civil Defense network antenna, and at Lancaster wind damaged two water tanks in the vicinity. Wind blew the roofs off three Reading homes and smashed windows in five stores. A smokestack was tipped by the wind in nearby Temple.
South Carolina Northern 2/3 of state	25-26	PM on 25 to AM on 26			0	0	4	0	Snow
									Intense snowstorm with accumulations ranging from 2-3 inches at Block Island to 6-10 inches on the mainland caused several minor skidding accidents and forced many schools in the interior to close on the 26th.
South Dakota	9th-13th				?	?	6	2	Rain, sleet, snow, freezing rain
									Rain and sleet and freezing rain began early on 9th in northwest and spread to center of state by noon. Highways very glazed until midafternoon. Heavier rain and less freezing rain on 10th was confined again to northern half of state. Rain, sleet and freezing rain extended over almost all of state on the 11th. Again roads in many sections were very glazed. Rain began again before noon on the 12th in the northwest and began freezing at once. Roads were very glazed by 2 or 3 p.m. Some sleet fell later in afternoon and evening and spread into center of state. Precipitation turned to sleet and then to snow late on the 12th and continued on the 13th. Roads were again very hazardous. By the 14th, many roads had improved and no more precipitation occurred.
Tennessee West half of State	1-4				0	0	7	0	Glaze
									Periods of light rain, freezing rain and sleet produced a layer of thin ice. This resulted in hazardous conditions underfoot and on highways. Several persons received mostly minor injuries in traffic accidents. Schools closed. Some glaze locally on January 8-11 and in East Tennessee on January 6, 9, and 11.
Statewide	12-14				0	0	5	0	Snow, glaze
									Nearly all of State covered with 2 to 6 inches of snow. With temperatures near 32°, snow was wet and accumulated rapidly on trees and wires. Power losses were frequent. Many motorists kept off the roads due to early storm warnings and to the fact that snow came on a week-end. Highway travel was hazardous and traffic accidents were numerous. Some light snow locally in East Tennessee on 15th. Snow depths reached 10-12 inches in portions of northern Middle Tennessee and Upper Cumberland Plateau area.
East Tennessee	23-24				0	0	0	0	Snow, glaze
									Snowfall accumulations mostly 2 to 4 inches, with a few greater depths locally in high elevations and some lesser depths in West where precipitation changed to sleet and rain before ending.
Texas San Antonio Bexar Co.	18	5:00 a-1:00 p			5	0	6	0	Flash flooding
									Five persons drowned and property losses estimated at \$4 million resulted from flash flooding in San Antonio. Heaviest rainfall, 6.35 inches, was recorded at Fire Station No. 29 on Southcross Boulevard. Ft. San Houston recorded 6.5 inches, and the

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
Texas (continued)									ESSA-Weather Bureau Airport Station, 2.72 inches. Mr. W. O. William H. Carroll, 11, and his son Timothy E. Carroll, 9, of 236 Fulcois Street were drowned when swept away after their automobile stalled at a crossing on Salado Creek near Ft. Sam Houston. Mrs. Meher, 20, 110 Hunsten Street, drowned in a drainage ditch in Mancke Park in the 3300 block of Broadway. Her body was recovered from the San Antonio River in Brackenridge Park. Mrs. Lillian Jenkins Pifer, 49, was drowned in Six-Mile Creek. The body of Robert Hernandez, 18, was found in rain-swept Woodlam Lake on the city's west side. Fire Chief Milton Rogers reported the flood damage equalled that caused by the 1946 flood. Water was four feet deep in many businesses in the 2700 block of South Presa and the Bruner's Store in the basement of the H.E.B. store at 2701 South Presa had water up to the ceiling. Joske's of Texas had flood waters in part of the street floor, and there was rain damage on the fourth floor of the downtown store.
Near Kerrville Kerr Co.	18	4:45 p	?	?	0	0	3	0	Tornado
									A tornado ripped through Torrey Wren's property about four miles out of Kerrville on Goat Creek Road and did considerable damage to a trailer home occupied by Clemente Alvarado and his family. The tornado uprooted a number of trees, one falling across the trailer and ripping it apart. Mr. Alvarado, his wife and four children escaped injury. A boat belonging to the Wren's was demolished.
Lometa Lampasas Co.	18	6:55 a-7:05 a	1/4	?	0	0	3	0	Tornado
									A small tornado damaged two homes and several barns at Lometa. Principal damage was to the Vel Potts home where the storm sucked the Austin stone off the wall on the leeward side. Asphalt shingles were ripped off the windward side. Sheet steel was ripped off several barns. The roar of the storm was described as similar to that of a freight train. Property damage was estimated at \$3000.
Near Brady McCulloch Co.	20	3:00 a			2	0	3	0	Flash flooding
									Ernest Powell Halmark, 28, of Brady and Larry Bishop of Mason drowned when their automobile was swept away at a low water crossing on Brady Creek. Three other young persons managed to reach the safety of the swollen creek's bank.
Atascosa, McMullen and Live Oak Counties	20-23				1	0	5	4	Flooding
									Heavy rains on the 18th ranged from 1 to 2 inches over the area of the upper Nueces and upper Frio Rivers to 4 inches over San Miguel Creek to 7 inches in the area between San Miguel Creek and the Atascosa River. Light rain occurred over the eastern parts of this area on the 19th, and heavy rains of 2 to 4 inches occurred generally over the same area on the 20th and 21st. The rainfall totals for the four days ranged from 2 to 4 inches over the upper Nueces, upper Frio, and upper San Miguel Creek drainage areas to 10 to 11 inches in the western parts of the Atascosa drainage area. As a result, flash flooding occurred on the extreme upper Nueces and upper Frio Rivers and tributaries on the 18th and again on the 20th and 21st. Flooding began on the lower Atascosa and the lower Frio Rivers on the 19th and worked downstream to the confluence of the two streams at Three Rivers on the 20th. Flooding reached major proportions on the lower Frio and the Atascosa and in the Three Rivers vicinity after the additional rains on the 20th. Major flooding continued downstream from Three Rivers to Lake Corpus Christi, and water began to spill over Wesley Seal Dam on the 22nd. Flooding began at Callallen on the 23rd, and major flooding occurred from the 24th through the 27th. One person drowned when an automobile was swept into the Atascosa River near Potot on the 20th. Some Three Rivers residents evacuated their homes as a precautionary measure. Most damage was a lesser repetition of the damage from Hurricane Beulah in September 1957. In some cases there was little new damage because Beulah's damage had not been repaired. Total property damage was estimated at \$170,000, of which \$115,000 was to urban property, \$30,000 was to farm property, and \$25,000 was to other rural property. Crop damage was estimated at \$10,000.
Utah									None reported
Vermont Central and southern portions	14-15				0	0	0	0	Glaze
									Freezing rain iced roads, crusted the snow, and coated trees and wires.
Southern portion	28-29				0	0	0	0	Glaze
									Scattered reports of freezing rain.
Virgin Islands									None reported
Virginia West Central and Southwest	13-14				0	0	5	0	Snow
									A heavy snowstorm bringing snow and ice accumulation to 14 inches or more caused extensive building damage from snow loads in several areas. Roofs of five business firms in the Lakeview area of Salem, Roanoke County, caved in and homeowners reported damage to roofs, carports, awnings, and sheds. At Hillsville, Carroll County, the roof of a large building including a gymnasium fell in causing extensive damage. Several barns in Wythe County had roof cave-ins and miscellaneous damage occurred in other localities.
Washington									No report received by printing deadline

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1968

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	
West Virginia Statewide	13-16				0	0	4	0	Snow storm
		A massive storm from the southwest dropped from 6 to 13 inches of additional snow on the mid-Ohio Valley and Allegheny Mountain areas during the weekend of January 13-14. Heaviest city falls occurred in Parkersburg and Beckley. Ellings had wind gusts to 45 miles per hour during the height of the storm. Many schools were closed January 15 and 16 throughout the State as high winds and drifting snow continued, in addition to a few additional inches of snow.							
Wisconsin					None reported				
Wyoming					None reported				

° Includes crop damage.

C Crop damage.

+ 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, D. C. 20402."

USCOMM-ESSA-Asheville, N. C. -2/29/68-1080