

U.S. DEPARTMENT OF COMMERCE

MAURICE H. STANS, Secretary

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

STORM DATA

DECEMBER 1968

Volume 10 No. 12



Asheville 1969

STORM DATA AND UNUSUAL WEATHER PHENOMENA

DECEMBER 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 Northwest and Central Alabama	27	Evening			0	0	5	0	Wind, hail, lightning	Florida Escambia and Santa Rosa Counties	1	9:30 to 10:25a.	30	15	0	0	4	0	Waterspout			
									A line of heavy thunderstorms moving eastward across the state caused scattered damage in many areas. Several mobile homes overturned and damaged, numerous trees uprooted. Damaging houses, numerous houses had minor damage to roofs and porches and a few barns and sheds blown down. Golf ball size hail reported. Lightning set fire to large building at Camp Sumaterra in St. Clair County. 90% of damage due to wind and 10% to lightning. Damage from hail negligible.											A waterspout imbedded in a heavy rain shower hit the carrier pier at NAS Sherman Field, Pensacola. It moved northeastward at about 30 m.p.h., touching down at several points on the naval station and later in the Coriova Park section of Pensacola and at Milton Airport. Maximum cloud tops of 23,000 feet were reported by Pensacola radar. The sound was described as "like an aircraft crashing into a building."		
Calera, Shelby County	27	11:10a.m.	7	?	0	2	5	0	Tornado	West Palm Beach	1	12:14p.							Funnel aloft			
									Tornado touched down about 5 miles west of Calera on SAC Road 155 and moved eastward across Highway 25, 3 miles west of Calera and then lifted about 1 mile north of Calera. Two trailers demolished and several overturned and damaged, trees uprooted, several barns and houses damaged and a large industrial building and cafe were wrecked. Two persons injured in demolished trailer.	Lee Madison County	3	3:00p.	1	200	0	0	3	0				Tornado
Alaska									None reported	South Florida	4				0	0	4	0	Wind			
Arizona									None reported										Winds of 30 to 45 m.p.h. followed the passage of a cold front from the north. Local flooding occurred at Belle Glade City Marina when high winds whipped water over the Lake Okechobee dike. Two walls of a high school under construction were blown down at Miami.			
Arkansas West Memphis - Crittendon County	27	5:50 p. to 6:00 p.	2½	600				4	Windstorm	Pace Santa Rosa County	22	3:25p.							Funnel aloft			
									Damaging winds left a southwest to northeast path of damage that continued into north Memphis and as far as Arlington, Tennessee. Seven trailers were damaged, of which 3 were destroyed in West Memphis together with considerable roof damage.	North Florida	28	early morning			0	0	4	0			Wind	
California Southern California	20-22				0	0	0	7	Freeze	Mayo Lafayette County	28	7:00a.			1	0	1	0	Lightning			
									Cold weather resulted in severe damage to flower crops, citrus, and avocados in some areas of Southern California.										Strong winds swept across north Florida uprooting trees, blowing down power lines, and doing other damage, mostly of a minor nature. Peak gust at Tallahassee was measured at 44 m.p.h. but some estimates in other counties were as high as 70 m.p.h.			
Redding	22-23				1	1	6	0	Heavy snow	Georgia Valdosta, 4 miles north	3	10:30 a			0	0	3	0	Tornado			
									Heavy snow accumulations resulted in structural damage to a number of buildings. One man suffered a heart attack and died while shoveling snow, and another was injured when a roof collapsed. Three light planes were destroyed when a hangar roof fell in. Power and telephone outages lasted for several days in some areas.											Small storm lifted a house trailer being towed along Interstate 75 and slammed it into a ditch. Trailer was completely demolished and tops of several nearby trees were broken off.		
Colorado Boulder and Larzac Counties	4	Midnight-Noon			0	0	4	0	Wind	Hawaii Kauai	Nov. 29- Dec. 1				0	0	5	5	Rain			
									High winds damaged property in several localities in and near the front ranges of the mountains. Gusts in excess of 50mph were reported at Boulder and Fort Collins at the edge of the mountains, and extending into the mountains to Estes Park. Flying debris damaged cars, houses and other property at Boulder, Fort Collins and Longmont. A house under construction was demolished at Estes Park.											Storm which began November 28 (see November 1968 Storm Data) continued, as torrential rains from small low on stationary cold front dropped 15 to 20 inches in 24 hours on northeastern Kauai. Intensities of 1 inch in 10 minutes at Anahola, 1½ inches in 20 minutes at Stable Camp, and 4-3/4 inches in about 70 minutes at EK#9 washed out roads (including part of new 3-lane highway at Kapala), destroyed sugar cane and truck crops, flooded 2 hotels and other businesses. Preliminary damage (for storm beginning November 28) estimated at \$179,000 to agriculture; \$43,000 to hotels, residences, businesses; \$156,000 to roads (including cleanup) and other public property.		
Northeastern Colorado	11-12	10p-11a			0	0	4	0	Wind	All Islands	5-6				0	0	3	0	Surf, High Seas			
									High winds caused light but widespread damage to property. Wind gusts between 50 and 75 mph were reported at several localities in the area extending eastward from the mountains. Damage to winter wheat crops was moderate to light.										High surf from an intense storm near Alaska swept rocks and sea water into pavilions at Onokahaha Beach near Hilo, Hawaii Island on morning of 5th, and on Oahu destroyed retaining walls and inundated several beach homes between Kaawa and Mokuia on 5th and 6th. On Maui rough seas closed Kahului Harbor on the 5th. Water reached 150 feet above high-tide mark at Napili Beach, and swept into swimming pool and ground floor of hotel there and another at Kaanapali.			
Connecticut Fairfield and New Haven Counties	4	All day			0	0	4	0	Rain	Honolulu, Oahu	19	6:45 a.-7:45 a.			0	0	0	0	Rain			
									Heavy rain, in some places the heaviest 24-hour December rainfall since 1948, in others since 1936, produced totals of up to 4.1 inches. Culverts were unable to handle the deluge and extensive street flooding resulted, especially in Fairfield. Poor visibility and heavy rain combined to cause a rash of skidding accidents and, in one of them, 2 persons were killed.												Intense thunderstorm (about 2 inches fell in 45 minutes) during morning rush hour converted streets to rivers and created all-time hour-long traffic jam.	
Greenwich, Fairfield County	5	2:20 PM			0	0	4	0	Wind	Idaho Blackfoot Area Bingham County	24	Evening			1		2		Snowstorm			
									Wind gusts to 65 m.p.h. may have triggered the collapse of the steel framework in a new four-story office building.										Heavy snow on strong winds closed secondary roads in area accounting for stalling of a number of vehicles resulting in one reported death.			
Northern sections	12	6-9 AM			0	0	4	0	Frost	Henry's Lake Area Fremont County	28	Early a.m.			1		3		Snowstorm			
									Unusually heavy frost deposit glazed highways and was directly responsible for many accidents.										Heavy snow and below normal temperatures closed secondary and primary highways locally in the area accounting for stalled vehicles and one reported death.			
Northern half	22	6-12 PM			0	0	4	0	Snow, glaze													
									Heavy snow accumulated quickly and became mixed with freezing rain to create hazardous driving conditions and a rash of accidents, especially in Hartford, Avon, Farmington, Winsted, Norfolk, and Willimantic.													
Interior sections	28	All day			0	0	4	0	Glaze													
									Snow beginning on the 27th changed to freezing rain late in the day to cause extreme glazing of highways and many vehicular accidents on the 28th.													
Delaware									See data at end of table (page 170)													

See reference notes at end of table.

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Idaho (continued) Idaho - north of Salmon River	28-30								Arctic air influx following heavy snow lowered temperatures to record lows generally resulting in local power outages, stopping traffic.
Illinois			None reported						
Indiana Northern Indiana	5	Early a.	?	?	0	0	4	0	Wind High winds from a passing low damaged TV antennas, Christmas street decorations, signs, trees, and utility lines. Near New Carlisle, a small airplane was blown over.
Iowa Eastern third Iowa	4-5						5		High winds beginning late 4th and continuing throughout the day of the 5th caused mostly tree and antennae damage but in some localities extensive building damage was reported.
Southeast Iowa	12-13						4		High winds
North English Corydon	18	6:30 p.					4		Lightning Heavy damage to home.
Northwest Iowa	18	7:00 p.					4		Lightning Destroyed a barn.
Southern Iowa	21-22-23						5		Blizzard Six to 15 inches new snow. Winds upward to 60 mph. Drifts to 10 ft. deep. 150 motorists stranded near Sioux City and several hundred stranded near Missouri Valley.
Northeast Iowa	22-23						5		Glaze Glazing over several southern Iowa counties.
7SE Sibley	27-28						5		Blizzard Worst snow storm since 1962. Freezing rain near south of blizzard area causing icy highways.
Kansas Northeast portion	31	9:00 a			1				Extreme cold
Northwest portion	11-12	Daytime			0	0	4	0	Wind Gusty winds to over 50 mph shattered plate glass windows, downed power and telephone lines, blew down signs and caused other miscellaneous damage over portions of Johnson, Wyandotte, Atchison, and Leavenworth Counties.
Comanche County	12	Daytime			0	0	4	0	Blizzard Blizzard conditions persisted for several hours over much of northwestern Kansas as an intense storm moved through that area. Many schools closed, auto traffic was severely hampered by poor visibility, and power and telephone lines were downed in some localities. Winds were locally gusty to over 50 mph.
Northwest, North Central, Central portions	18	Afternoon			0	0	4	0	Lightning A home was destroyed by a lightning-caused fire 5 miles south of Coldwater.
Northwest, North Central portions	18	Day, evening			0	0	4	0	Blizzard Conditions were worst over parts of North Central Kansas where up to 14 inches of snow fell. At Mankato it was the heaviest snowfall since March 1960. Many major highways were blocked, stranding a number of motorists. Winds were 25-35 mph, or stronger, causing considerable blowing and drifting snow, and visibility was near zero at times.
Kentucky	21-22				0	0	4	0	Blizzard Telephone and power lines were downed in some areas and many roads were blocked as winds of 30 to 40 mph, or stronger, caused considerable blowing and drifting snow. This was the third blizzard of the month over portions of Northwest Kansas. Drifts were locally more than 10 feet high.
Louisiana State	27	afternoon-evening			0	0	5	0	Wind, rain, funnel clouds Squall line preceding cold front produced numerous severe thunderstorms in northwestern Louisiana during the early afternoon, north-eastern and central Louisiana in late afternoon and portions of southern Louisiana during the evening. In Shreveport-Bossier City area between 1:45 and 2:00 p.m. several buildings were damaged, trees uprooted, signs and utility lines blown down. Two high brick walls at a motel in Bossier City toppled, crashing onto roof of restaurant which collapsed. Trailer park and several business houses also damaged. Motor pool roof blown off and windows smashed at Barkedale AFB. Screen of drive-in theater damaged in Shreveport. Light plane overturned at Shreveport Downtown Airport. Wind damage to windows reported at Gloster, DeSoto Parish. Funnel cloud sighted about 5 miles northeast of Winnfield, Winn Parish, about 3:55 p.m. Barn unroofed. High winds hit Alexandria-Pineville area, Rapides Parish, around 4:30 to 5:00 p.m. with only minor damage reported. The wings were torn from tied-down small plane at plantation on Lake Cassoway, 15 miles north of Lake Providence, East Carroll Parish, area between 5:15 and 5:30 p.m. House demolished at Lanes Ferry. Funnel cloud reported with heavy thunderstorm along Mississippi River just northeast of Waterproof, Tensas Parish at 5:40 p.m. No apparent touchdown. Moved northeastward into Mississippi. High winds and heavy rain hit Rayne, Acadia Parish, and Larose, Lafourche Parish, around 6:45 p.m. At Hammond, Tangipahoa Parish, high winds tore down a concrete block wall about 100 feet long at a shopping center under construction and trees were twisted off or blown over about 10:15 p.m. in Slidell, St. Tammany Parish.
Calcasieu Parish	30	5:02 p.m.			0	0	4	0	Tornado State Police reported small tornado 1/2 miles north of DeQuincy ripped roof off new residence, destroyed a barn, uprooted trees and damaged power lines and poles.
Maine Coastal	2				0	0	0	0	Glaze Light icing from freezing rain in some areas.
Southern portion	4-5				0	0	4	0	Rain, wind, glaze Local flooding of streets and cellars from generally 1 1/2 to 2 1/2 inches of precipitation. Wind followed the rain; some limbs felled and mostly minor other damage. A few reports of freezing rain.
State	14-16				0	0	4	0	Rain, snow, glaze, thunder The second storm this month with heavy precipitation. Totals generally 1 1/2 to 3 inches occurred mostly as rain in southern sections but with 10 to 15 inches of snow in the northwest. Minor local flooding. Some local freezing rain; roads hazardous with numerous accidents. Trees damaged by heavy wet snow in northwest. Thunder heard in many areas on 15th.
Southern half	20				0	0	0	0	Glaze Local areas of freezing rain.
Southern portion	22-23				0	0	3	0	Wind, rain, snow and glaze Some freezing rain in local areas. Wind-blown surf toppled and damaged seawalls. Flooded streets, deposited debris on highways, and threatened homes along the coast from Portland southward. Local flooding also from heavy rain and wet snow in coastal areas. Precipitation mostly snow farther inland.
Southern and eastern portions	28-29				0	0	4	0	Glaze Widespread glaze from freezing rain. Highways slippery. Trees weighed down or broken, with utility outages. In the northwestern portion of state precipitation was mostly snow, with 3-10 ins.
Maryland									See data at end of table (page 170)
Massachusetts State	4-5				0	0	4	0	Rain, wind Rainfall mostly 1 1/2 to 2 1/2 inches caused local flooding of streets and cellars. High winds followed rainstorm, with scattered damage to trees, signs, etc. Chimney toppled in Northampton.
State	12	morning			0	0	0	0	Glaze Extremely slippery roads from glazing caused by condensation of moisture from relatively warm, moist air onto cold pavements.

See reference notes at end of table.

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Massachusetts (continued)										
State	14-15				0	0	4	0	Rain, snow, glaze	
	Second storm this month with very heavy precipitation. Totals mostly 1 to 2 1/2 inches, generally as rain in southeast but with up to 8 to 16 ins. of snow in northwest portion where weight of the snow damaged trees. Some freezing rain in many areas. Some minor local flooding. Many roads hazardous.									
Eastern portion	20	A.M.			0	0	4	0	Glaze, snow, wind, rain	
	Freezing rain in local areas. Slush from wet snow and rain caused dangerous roads and weighed down trees. Some utility failures due to broken limbs and in metropolitan areas due to flooded manholes. Wind damage minor.									
State	28-29				0	0	6	0	Glaze, lightning	
	An approximately 24-hour episode of freezing rain began early on the 28th, affecting nearly the entire state except little or none in extreme southeastern coastal areas. The most serious icing occurred in the eastern portion with ice deposits on exposed surfaces to 1/2 inch with some even thicker. Ice broke many trees and limbs which fell on utility lines. Utility service to more than 100,000 homes was out, some for an extended time. Homeless homes caused many to be evacuated to community shelters. In the areas just west of Boston, this was the worst ice storm since 1921. All forms of transport were affected, with most air service cancelled. Highways and streets extremely slippery and hazardous, quickly becoming slippery again after sanding. Accidents numerous. Some thunderstorms in southeast in afternoon of 28th.									
Michigan										
Lower Peninsula	5	AM			0	0	4	0	Wet Snow, Wind, Heavy Snow	
	Season's first major storm dumped from 12-16 inches of snow over northwestern lower Michigan closing roads and schools. Central and southern areas received wet snow which froze on trees and power lines. Whipped by gusty winds of 40-45 mph power failures were reported in many areas. Over 6500 homes were without power in the Flint area for over 4 hours.									
Western Upper Peninsula	22-24	AM-PM			0	0	7	0	Heavy Snow	
	Considered to be worst snow storm since 1938 in the Gogebic range area. The 34.5 inches of snow recorded during the three-day period is just short of the 36 inches recorded January 24-26, 1938. High winds, 25-45 mph, caused heavy drifting. In spite of the heavy snowfall, stores remained open and shoppers ignored the snow to complete their Christmas shopping. In Detroit, a brief snow shower and drop in temperature about 5 PM on the 23rd, brought traffic to a near stand still. 65 cars were involved in one pile up closing the freeway for several hours.									
Lower Peninsula	27-28	PM-AM			0	0	?	0	Ice, Wind	
	Freezing rain extended from Holland and Grand Rapids eastward into the Thumb area. While ice, 1/4 inch thick, caused some power lines to snap in the western areas, ice accumulation from 1-2 inches felled many power lines from the Alma area eastwards through Lapeer and Sanilac Counties. The damage was termed the worst in history by power companies in the Lapeer-Sanilac County areas where stretches 3 to 4 miles long lost both poles and lines due to the ice. Extra crews were brought into these areas to help repair the damage but many rural areas were still without power 3 days later. The width of the ice belt varied from 30 miles in the west to over 50 miles in the east. Heavy snow fell to the north while rain caused some flooding in southeastern Michigan. Numerous broken arms, legs and bruises were suffered by persons falling on the ice.									
Minnesota										
Eighty miles either side of a line from Breckenridge to Ely	12th-13th				2	0	5	0	Blizzard, ice storm	
	Storm moved east-northeast beginning with thunder and lightning and freezing rain especially in the western tier of counties from Norman south to Rock. This was followed by snow generally of 5 to 10 inches and 12 to 14 inches in the Bemidji and Walker areas. Strong winds of 40-50 mph with unofficial gusts to 70 mph and temperatures dropping during the day on the 13th to zero caused considerable telephone and power outages. One utility company reported over 400 poles down alone in Wilkin County, 40 communities in Moorhead area were without telephones on the 13th. Power outages were common of less than an hour to more than 12 hours throughout entire storm area. One man was found frozen to death near his car after it had run									
Minnesota (continued)										
Into the ditch several miles northwest of Boyd in Lac Qui Parle County. One man was killed by a train when his car became stalled on a railroad crossing at Hancock. Strong easterly winds pushed ice 20 feet high on US Highway 169 along west shore of Lake Mille Lacs and destroyed or damaged hundreds of "ice-fishing" houses and shore installations. Auto accidents were numerous across the area. Most of the schools were closed throughout the area on the 13th.										
South of a line from Beardsley to Hinckley	19th				0	0	0	0	snow and near blizzard	
	Snow and near blizzard conditions existed across area, the worst in the south central and southeast. Snowfall was 5-7 inches except about an 8 inch snowfall line 50 miles wide from Blue Earth to Lake City. Also a 10 inch snowfall in the Marshfield to Springfield area. Many rural roads were blocked and many schools closed in all counties from Goodhue County to the southeast.									
All Minnesota except northwest	21st-22nd				0	0	5	0	Blizzard	
	Snowfall during the storm was generally 5-10 inches except more than 12 inches in a triangle from Artichoke Lake to Mora to Luverne. The snowfall on top of about a 10 inch powder snow was whipped by 30-40 mph winds that stopped almost all forms of traffic, blocked many primary highways for most of Sunday and blocked most of the secondary roads and some for nearly a week. Strong winds smashed 50% of the pilings on one of the breakwaters at Two Harbors. Heavy snowfall caved in a roof of a garage causing damage to five school buses at Circle Pines. Roof of a 60' x 200' shed collapsed from weight of snow at Minnesota. Due to good blizzard warnings and the blizzard occurring late Saturday through Sunday, the highway patrol reported a minimum of accidents and stranded travelers.									
Lake Beebe, Wright County	31st	about noon			0	3	0	0	Cold Wind	
	Three young boys ice fishing suffered severe frost-bite, two critical conditions. They became separated seeking help after they lost heat in the ice house. Wind chill was reported at 53 below zero.									
Mississippi										
South Central and Southeast Divisions	21-22				0	0	?	0	Heavy Rain	
	Heavy rains swelled streams and some flash flooding was reported. COVINGTON COUNTY: Temporary bridge over Mabon Creek on Highway 81, 1 W Hebron, was washed out. At Collins rain totaled 1.96". WALTHAM COUNTY: Rain totaled 5.31" at Tylertown. JONES COUNTY: Minor flooding of streets reported in downtown Laurel; swollen creeks weakened some bridges in parts of County. CLARKE COUNTY: Rain totaled 6.06" at Crandall 12N, with 5.33" measured 7 AM of 22nd.									
State	27				0	5	?	0	Thunderstorms, Wind, Hail	
	Thunderstorms moved across the State. Some had high winds and heavy rains. Many sections reported wind damage; additional damages and injuries in Counties with tornado touchdowns described separately. At 5:30 PM a line of thunderstorms was 50 W Jackson, moving E; at 7 PM a line of thunderstorms extended from Charleston S to Greenwood to Yazoo City, Utica and Meadville, moving E. At 7:20 PM the line was 20 E Pelahatchie. At 7:50 PM a line of thunderstorms was 4 W Pelahatchie. Radar at 8:10 PM indicated a line of thunderstorms 10 N Kosciusko, S across Morton to Columbia, moving E. At 9 PM a line from 15 E West Point, S to Meridian, then to Columbia moving E. At 10:05 PM a line of moderate thunderstorms extended from over Ackerman, S to 17 E Jackson, S to Bogalusa, La. UPPER DELTA DIVISION: Generally little wind damage except to tree limbs and minor service outages. BOIHVAR COUNTY: House trailer, just outside north Cleveland City limits, blown off foundation at 5:40 PM and landed on its roof. Woman and 4 small girls received minor bruises and cuts, but no serious injuries. About same time several farms on Highway 446 and along the Bogus Phalia River reported damage to barns and tenant houses, a tractor shed was reported destroyed. About 7:40 PM at Gunnison shingles were ripped from roof tops; tenant house 1 W Gunnison on Highway one 1st most of its tin roof, pieces were scattered over several acres on both sides of the highway; none of its 9 occupants hurt. LOWER DELTA DIVISION: Generally no serious damages, no injuries. WASHINGTON COUNTY: About 5:30 PM in Greenville at U. S. Highway 82 East and Beauchamp Street, strong gust wind picked up service station's metal tool shed and dropped it on a moving automobile which was knocked into a ditch by the impact. Man driving behind said "all of a sudden garbage lids started flying by, then garbage cans and then the shed" which he described as about 75 feet off the ground. At 5:45 PM report of fences and trees blown over, corner of one house lifted by wind gusts. The most severe winds in the Leland area occurred about 6 PM 2-1/2 S Leland on U. S. 61 where home had glass blown out of 2 windows and front door, gutters were blown off; 5 trees uprooted; limbs shredded from pine and cedar trees, and one of them blown through windshield of parked car. About 7 PM Southern Airways at Greenville Airport recorded winds at 15 MPH and indicated they were steady throughout the night at about 30 MPH. From 9 PM on to 5 AM winds were reported rough in Winterville but no damage. SOUTHWEST DIVISION: Generally only minor damage; no injuries. WARREN COUNTY: Vicksburg newspaper reported the gusts exceeded 50 MPH, the peak being shortly after 6 PM. At Eagle Lake, 20 NW Vicksburg, there were strong winds of 2 to 3 minutes duration at 6:20 PM									

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Mississippi (continued)									
State									with some roof damage and other destruction; untied boats along the bank were blown as much as 50 feet along sloping ground. About 6:30 PM some 1/2" hail was reported in southeastern Vicksburg. CLAIBORNE COUNTY: The major damage was to a home NE of Carlisle where much of the roof of the den was blown off and a roar was heard overhead. HINDS COUNTY: About 7 PM highwinds were reported in Clinton. At a drive-in movie in Van Winkle on western edge of Jackson, the apron to a movie screen was blown down. Man in northern Jackson reported storm moved from WSW toward NNE, during "cloudy and raining" weather he "saw no funnel" but "wind made dull roaring noise; brick house shook ever so slightly...whole thing was over in less than 3 minutes", and it began about 7 PM. Another man described hail at 7:05 PM in County Line Road vicinity, 10 NW Jackson P. O., as "the size of quarters" accompanied by strong winds and heavy rain. In Jackson, officials of a chemical company said part of the roof was blown off about 8:30 PM. CENTRAL DIVISION: High winds were reported throughout division; severe damage in some parts, no injuries. MADISON COUNTY: At 7 PM at SE Flora, a barn was downed and a house damaged. At 7:30 PM a funnel shaped cloud was reported to have been seen 2 E Canton, no damage reported there. At airport, 3 W Canton Highway 22, one moored aircraft seriously damaged by wind; other aircraft torn loose from ground, blown 100-yards and extensively damaged; several cotton trailers overturned during severe thunderstorm; damage in about a 1-mile area. Heavy winds in west end of County reported to have done damage to some farm buildings and signs. At 9:30 PM a trailer was reported blown over 6 S Canton, no injuries. ATTALA COUNTY: Highway Patrol reported some wind damage on Highway 35 near Kosciusko at 7:30 PM; no report of a funnel sighted or a roar heard. Cooperative Observer said high winds in Kosciusko but no damage. SCOTT COUNTY: Highway Patrol reported a funnel about 7:45 PM, 1/4 N Morton. Highway Patrol reported top of chicken house blown off 6 NE Morton at 9:12 PM. Wind lifted roof from one house and blew over some trees. RANKIN COUNTY: At 7:46 PM lady reported loud roaring noise, very high winds, and seeing funnel cloud ploit over Pelahatchie. At 9 PM radar indicated two moderate thunderstorms still in progress between Pelahatchie and Morton; Highway Patrol reported extremely heavy rain but no wind. SOUTH CENTRAL DIVISION: Some minor damage reported; no injuries. SIMPSON COUNTY: In Rialles Creek Community, 6 S Mendenhall, some wind damage occurred in a 1/4 mile area, as a storm was reported moving from SW towards E, 8 - 8:30 PM. Several pieces tin roofing blown off a tenant house and a metal garage, several patches shingles on a dwelling were torn off, a TV antenna blown off. SMITH COUNTY: During cloudy weather at Lorena, 15 S Forest, woman reported storm moved from SW toward NE. She wrote, "It sounded like a plane in trouble. Then our house, which is brick, began to quiver and tremble. Then we realized it was...too high to do much damage, but blew loose tin roof from poultry house and uprooted a big pine". Funnel was not seen. COASTAL DIVISION: Few reports of minor damage; no injuries. JACKSON COUNTY: Sheet metal blown off building and damaged several automobiles in Pascagoula at 8:10 PM. HANCOCK COUNTY: Newspaper reported "Picaune had winds of from 25 to 35 miles an hour, with gusts of more than 40 miles an hour for a period of about 15 minutes shortly after 10 o'clock..." The Mississippi Test Facility near Picaune reported a squall line with heavy rain and gusts to 75 MPH at 10:30 PM. EAST CENTRAL DIVISION: Mostly minor damage reported. OKTIBBEHA COUNTY: A severe thunderstorm passed over Starkville at 8:55 PM with high winds which damaged several cars. The metal roof of a MSU Poultry Science Department Building on Highway 12, damaged; the most damage in the County was reported at the Hickory Grove Community; residents described a sound "like a freight train" accompanied winds and heavy rainfall about 9:30 PM; roofs blown off, chicken houses and barns destroyed, and large trees uprooted. CHICKASAW COUNTY: Highway Patrol reported house trailer blown over on Highway 32 about 17 SW Tupelo between Houston and Pontotoc at 9:17 PM. MONROE COUNTY: Little damage reported. Some minor damage to barn and farm buildings near Amory; a church wall was blown over at Aberdeen with about \$600 damages. SOUTHEAST DIVISION: Only minor damage occurred over much of the area; no injuries. LAUDERDALE COUNTY: A N-S line of thunderstorms moving eastward was about 10 W Meridian shortly before 9 PM. One cell developed ahead of the line about 8 SW Meridian and moved NE passing over NW Meridian shortly after 9 PM. It dissipated about 1 1/2 NE Meridian. Numerous reports of a loud noise over N Meridian were received shortly after 9:15 PM. Trees and power lines were downed in a number of areas; two houses damaged by falling pine trees, estimated loss \$2500; oak crashed into another house. All damage associated with the one single cell; it is believed that the roaring noise was a funnel aloft that moved for about 20 miles before dissipating. Airport was several miles from center of storm; wind gusts to 39 MPH were recorded at 9:05 PM. MORREST COUNTY: A fierce but short-lived storm dropped tree limbs on power lines in Hattiesburg area and produced scattered interruption of service. At about 9:30 PM wind gusts up to 65 MPH were reported at Hattiesburg Airport. Man at Petal said that shortly after 9:30 PM the storm sounded like a locomotive traveling overhead. JONES COUNTY: Laurel buffeted by high winds and heavy rainfall. Streets littered with trash; limbs, leaves, and overturned garbage cans; scattered instances of trouble on power lines; carport and windows damaged, some houses unroofed. Most damage in 2 block area, around 9:30 PM. Greatest damage was to building which had its rear wall demolished three-quarters of the way from roof to ground; behind building a utility pole was toppled and power lines torn down. Sign atop another building torn loose and smashed holes in roof allowing water into warehouse portion where some merchandise was ruined. Neon sign ripped from another business place. At Ellisville the winds did little more damage than filling yards and streets with branches and debris.
Grenada County	27	6:50 PM - 7:00 PM	8	75 - 170	0	0	4	0	Tornado Storm reported moving from W to E, funnel not seen. Damage in several locations. Small twister reported to have touched down at Beau Springs Community, 6 W Grenada, about 6:50 PM and flattened a vacant old tenant house and a building, badly tore up an unoccupied house and damaged a barn; no injuries. Woman in nearby undamaged home said, "The whole thing only lasted about five minutes." Man reported that about 1/4 W Grenada on State Highway 7 and 8, about \$5000 damages done about 7 PM. He mentioned that carport was torn off home, front porch lost; barn, utility house damaged; cow and goat blown into river; hams and sausage, tractor and plows blown across river (500 yards); antenna lost; very little rain there. On Highway 51, 2 S Grenada, station damaged, trailer overturned, 5 light poles downed, 2 house tops removed and several large trees uprooted. About 1/2 mile to E, at Tie Plant, at 6:55 PM considerable damage was done to a factory; some homes and automobiles had their windows blown out, some trees blown down or broken off, damage to power lines. Man who lived just north of area affected reported a loud noise in the air. Man who was in Grenada at the time, wrote, "No wind, lightning in the north, with thunder, warm, wind began to blow with peculiar noises overhead." No damage reports received from other locations near Grenada.
Humphrey County	27	6:55 PM	Short Narrow	0	0	7	0	Tornado Highway Patrol reported tornado touchdown near Sunflower River, 12 W Belzoni, 2 S of Highway 12 with damage to house trailer and several trees downed; no injuries.	
Pelahatchie County	27	Shortly before 7:00 PM	Short Narrow	1	5	7	0	Tornado Highway Patrol reported tornado touchdown in Stover, just N of Brazil Community; 1 death, 5 injured, and several houses damaged. In flattened home, 20-year old man killed, couple and 2-year old boy injured.	
Leake County	27	7:45 PM	1	100	0	0	7	0 Tornado During rainy weather, storm moved from WSW towards ENE. One funnel remained aloft most of the time, touched down only briefly. Small tornado followed Highway 16 through Carthage. At the city limits W, tall pines were twisted and nangled; a short distance E towards town some trees were snapped off; it touched down at intersections of State Highways 16 and 35 and strewn debris along a quarter mile strip, roofs ripped off 3 business establishments and broke plate glass windows out of several others. At intersections, plate glass windows were broken out of a service station, a parked cotton trailer was blown from a cotton gin and a service station attendant said he saw it blowing through the air when "I hit the floor and saw nothing more..." The trailer ended up some 100 yards down the road near another service station whose wash rack was demolished with its roof and concrete blocks covering an auto parked inside, and the front of the station was strewn down the highway over a 3 block area. Across the Highway plate glass windows were blown out of a furniture store; in an adjacent restaurant, the waitress said, "I opened a service window to reduce the pressure..." About 100 yards away on north side of highway, shattered glass front of a dairy bar, ripped away roof, wooden beams and major damage was done to equipment inside; then unroofed coin operated washerette; less than 50 feet away, service station man watched tornado move up highway, he said, "It squealed and roared, looked like a big red ball; smaller balls of fire kept popping out of it. We saw the roof come off..." He wrote that the time was 7:50 PM, he saw 2 funnels and "#2 went northeast, stayed aloft, and the one that dipped down moved eastward, I saw ball of fire going through the air when it hit the washerette next to my station, I heard explosion"; the service station there was not damaged although the plate glass windows were observed to bulge. Three blocks east the front of a service station was blown away. Man who operates a grocery west of highway intersection and out of the eye of the storm said that he heard the tornado and pulled hard to open a door to reduce the pressure that was building up in his store. "It was like being in a vacuum, when I finally got the door open a car door flew past... A customer... was driving up and it looked like the wind was going to pick her car up." At 3 NE Carthage a funnel was reported about 8:15 PM, but no damage was reported.	
Lowndes County	27	9:05 PM	? Broad	0	5	5	0	Tornado In Caladonia, tornado first struck High School and Athletic Field and then cut northeasterly; it overturned cotton wagons, unroofed several homes and a barn and then in hardest hit area completely destroyed a house trailer and a combined washerette and dairy bar; quite a number of cars, home, and store windows were broken out, numerous poles and trees down. Man in mobile home felt it start quivering, it turned over a number of times, top of trailer was removed and wrapped around telephone pole, and only the base of the house trailer was left intact; several farmers in the path of the storm lost farm equipment such as combines and cotton pickers, many houses inside city limits have damaged roofs. Estimated damages \$100,000 to school and \$100,000 elsewhere.	
Leflore County	27	6:20 PM - 6:25 PM	5	75 - 200	0	0	3	0 Tornado Storm moved from WSW towards ENE, funnel was not sighted. Man about 1-1/2 SW Minter City reported, "Rain had stopped...earlier, was still and warm. Suddenly rain and wind sounded like high pressure fire hose spraying south side of house. After about two	
Mississippi (continued)									minutes it settled to a heavy rain for about 15 minutes, all wind damage done in first couple of minutes." He estimated about \$1000 damage to his residence and 4 buildings. About 1 mile away there was a cotton picker with some cotton in the hopper, "The wind raised basket lid and just 'sprayed' this cotton on a tree beside picker, as well as blowing several pieces of tin off a tractor shed." Man who saw damage next day said there were some "Sheds blown away, trees uprooted, trailers destroyed."
Grenada County	27	6:50 PM - 7:00 PM	8	75 - 170	0	0	4	0 Tornado Storm reported moving from W to E, funnel not seen. Damage in several locations. Small twister reported to have touched down at Beau Springs Community, 6 W Grenada, about 6:50 PM and flattened a vacant old tenant house and a building, badly tore up an unoccupied house and damaged a barn; no injuries. Woman in nearby undamaged home said, "The whole thing only lasted about five minutes." Man reported that about 1/4 W Grenada on State Highway 7 and 8, about \$5000 damages done about 7 PM. He mentioned that carport was torn off home, front porch lost; barn, utility house damaged; cow and goat blown into river; hams and sausage, tractor and plows blown across river (500 yards); antenna lost; very little rain there. On Highway 51, 2 S Grenada, station damaged, trailer overturned, 5 light poles downed, 2 house tops removed and several large trees uprooted. About 1/2 mile to E, at Tie Plant, at 6:55 PM considerable damage was done to a factory; some homes and automobiles had their windows blown out, some trees blown down or broken off, damage to power lines. Man who lived just north of area affected reported a loud noise in the air. Man who was in Grenada at the time, wrote, "No wind, lightning in the north, with thunder, warm, wind began to blow with peculiar noises overhead." No damage reports received from other locations near Grenada.	
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Harrison County	31	12:05 AM			0	0	4	0 Lightning At Ocean Springs, lightning struck tree near residence, then caused fire in attic and there was an explosion. Fire Department estimated damages \$7000.	

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

DECEMBER 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				
Mississippi (continued) Alcorn, Attala, Benton, DeSoto, Jefferson Davis, Kemper, Lafayette, Lawrence, Marshall, Tippah, Walthall, Wayne									Heavy rain; Drought	New Jersey Statewide	5	Early afternoon			1	4			Wind			
									During month Congressman announced 12 Counties eligible for emergency loans from Farmers Home Administration due to excessive rainfall and periods of severe drought which caused crop and pasture damage.										High winds for a brief period, associated with a rapidly moving cold front, caused spotty damage in many parts of the State. Some trees were uprooted, a church steeple was blown down in Somerset County, and power and communication lines were downed in several areas. Gusts to 58 mph were reported at New Brunswick. A man was killed in South Brunswick, Middlesex County, when a 23-foot section of a wall fell on him.			
Missouri				None reported						New Mexico				None reported								
Montana Entire State	26-31				1	?			Cold and snow	New York Statewide	4-6				2	6	5		Wind, snow, rain			
									Below zero cold spread slowly southward beginning the 26th and covered most of State by the 29th with 20-35 m.p.h. winds causing blizzard conditions in mountain passes and locally over the plains. Highways were closed in the western mountains at times on the 29th and 30th. Railroad trains ran as much as seven hours late. Winds coupled with the cold caused very low wind-chill factors, for example -80 at Havre. Temperatures of -40° to -50° were common across northern divisions mornings of 29th and 30th. On the 30th, a 29 year old man was found frozen to death west of Ekalaka. Several cases of frostbite were reported, none serious.													Intense early winter storm began with moderate to heavy rains most sections on 4th and ended with heavy snowfall northern mountains and in lee of Great Lakes on 6th. Principle storm damage resulted from sustained high winds (gusts 60 to 70 mph) on the 5th, gradually subsiding late on the 6th. Power disruption, buildings and cars damaged by falling trees and limbs, direct wind damage to buildings occurred widely western half of State and in scattered areas of Mohawk and Hudson Valleys and in coastal sections. Winds pushed level of Lake Erie to 8 feet above normal as waves demolished piers and docks at marinas at Dunkirk; wind-driven flow from Lake Erie into Niagara River produced peak of 310,000 cubic feet per second as compared with average flow of 207,000 cfs. with shoreline roads flooded all along lake. Light planes crashed after takeoff and pilot killed when blown by winds into power lines near Jamestown. Cement block wall toppled, killing construction worker at Farmville, Long Island on 5th. Heavy rains averaging near 2.0 inches in coastal sections on 4th caused flooding. Snowfall of 18 to 30 inches eastern lee of Lake Ontario and in Adirondacks and 15 inches southeast of Lake Erie on 5-6th closed schools and resulted in hazardous travel conditions. Light snow turning to glaze on roads of Niagara and Orleans County made roads very slick with many accidents, some fatal.
Nebraska Eastern Nebraska	18-19				0	0	?	?	Near Blizzard	Western half	28	a.m.				4			Freezing rain, rain			
									Fog and freezing drizzle began Elm-Burning-York area on 17th. Blizzard conditions, except for temperatures, occurred over most of eastern two-thirds of State on 18th and into 19th in far northeast. Thunderstorms, freezing rain, and sleet preceded the snow in the southeast. Heaviest snow, up to 15 inches, fell in a wide band from Webster Co. to Coding Co. High winds drifted the snow and stalled traffic.													Freezing rain crippled a belt of counties along south shore of Lake Ontario from Niagara Falls to Oswego area. Ice accumulations of 2 to 3 inch disrupted power and telephone lines with damage and inconvenience especially noted in area between Niagara Falls and Rochester. Highway travel very hazardous and major airports at Buffalo and Rochester temporarily closed due to glazed runways. Precipitation mostly rain southwest and south central with change to rain later on 28th near Lake Ontario. Rain amounts 1.0 to 1.5 inches caused local flooding due to frozen ground. Basement flooding locally severe at Ferry, Wyoming County; some highways closed by flooding in southwestern counties. Fog widespread in extreme western counties adding to travel hazard already complicated by glaze and, later, flooding of underpasses, etc. Some freezing rain reported eastern sections of State but affects apparently minor.
Nebraska	21-23				3	?	?	?	Blizzard	North Carolina Eastern North Carolina & Coastal Waters	7					5	0		Wind, snow, electrical			
									Second heavy snowfall within a week. Nine to fifteen inches of new snow from south central to northeast where totals now reached one to two feet. Generally four to eight inches new snow elsewhere, except extreme southeast. High winds, zero visibility, and huge drifts stranded thousands of motorists throughout the State. Three separate cases of pedestrians becoming lost and frozen. Many cases of frostbite. Additional deaths and injuries from indirect causes.												Low pressure storm moved rapidly through state and into offshore waters, causing strong winds, thunder and lightning, snow, and in some areas small hail. Two mobile homes blown over in Robeson County; trees blown down, damaging home and auto in Wilmington. Several small craft caught off shore, requiring rescue operations.	
Nevada				None reported						State	28				5	0			Wind			
																			Large low pressure storm centered near Great Lakes; cold front trailing southward from center moved eastward across North Carolina, causing strong winds. Widely scattered damage included a mobile home carried 30 feet and demolished in Ashe County, a large, newly constructed frame storage building destroyed in Rowan County, and trees blown down in Raleigh and Greensboro. Power and telephone service interrupted in many localities.			
New Hampshire State	1-2 night				0	0	0	0	Glaze	North Dakota Eastern North Dakota	12-13				1	0	8	0	Sleet, snow and blizzard			
									Icing from freezing rain in many localities.										The first major winter storm of season struck eastern North Dakota early afternoon of 12th hitting southeastern North Dakota the hardest. The storm began as a sleet storm changing to snow during the late afternoon and evening of 12th before ending about noon of 13th. The deposit of ice on power and telephone lines caused widespread pole and line breakage in the southeastern portion of state and power outages of a day or two were common in hardest hit areas. Telephone outages were of longer duration. Ice storm losses in Wahpeton were alone put at \$200,000 and losses for state probably near \$500,000. Snow falls of up to nine inches were reported which was whipped into large drifts by 40-60 mph winds which stopped or delayed all transportation. Closing of business and			
State	4-5				0	0	4	0	Rain, snow, wind, glaze													
									Precipitation mostly 1 1/2 to 2 1/2 inches, mostly as rain in south where local flooding of streets and cellars. Local freezing rain in north with considerable sleet or heavy, wet snow. Some limbs toppled by the weight. Local damage, mostly minor, from high winds which followed the precipitation.													
State	14-16				0	0	4	0	Rain, snow, glaze													
									The second storm this month with heavy precipitation. Yields mostly 1 1/2 to 3 inches, mostly on 15th. Mostly rain and freezing rain in southeast but a major snow storm in west and north where 10 to 20 inches fell. Yields were locally greater, especially on elevations. Mt. Washington reported a storm total of 47.8 ins. Of this, 37 1/2 inches fell on the 15th for a new record 24-hour total. Highways slippery everywhere but in heavy snow areas traffic was seriously delayed or blocked. Many social events cancelled. Snow, wet and heavy, weighed down and broke trees and limbs causing utility failures.													
State	23 A.M.				0	0	3	0	Glaze, snow, wind													
									Local reports of freezing rain in storm that was mostly rain in coastal areas to mostly snow farther inland. Wet snow and wind broke tree limbs causing local damage.													
State	28-29				0	0	5	0	Glaze													
									Freezing rain beginning early on 28th affected nearly the entire state. Storm was mostly snow in northern portion where totals were mostly 5 to 10 inches. Glaze most serious and prolonged in the southeast with deposits of ice up to 3/4 inch in some areas. Ice broke trees and limbs, causing utility failures. All transportation hampered or delayed, with highways extremely hazardous.													

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

DECEMBER 1968

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
North Dakota (continued)											
Southeastern North Dakota											
Ohio											
Oklahoma											
Apache, near, Caddo County											
Lawton, Comanche County											
Pawnee County											
Southwestern Quadrant of State											
Bryan and Pushmataha Counties											
Oklahoma (continued)											
Indianola, near, Pittsburg County											
Craig County											
Stillwater, Payne County											
Catoosa, Rogers County											
Oregon											
Most of State											
Western Oregon											
Entire State											

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

DECEMBER 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		
Oregon (continued) Entire State	27-31	Entire period			1	Sev-eral	5	3		Snow, Wind, Freezing Rain, Low Temperatures
	<p>Snow was beginning to fall in Oregon on 27th. By 28th temperatures were starting to drop sharply along Oregon's northern border due to invasion of very cold Arctic air from north. By 29th this had pushed to State's southern border, though less extreme in southern third of State. Across northern Oregon coldest temperatures in many years. In downtown Portland coldest temperature recorded since 1919. At Pendleton lowest December temperature of record was equaled. At Hilton-Freewater a -24 set new record low at that location. Hundreds of water pipes and fire sprinkling systems froze and broke causing extensive damage. In Columbia Gorge combination of snow which high winds built up into drifts 5-6 feet deep and freezing rain closed highway through Gorge for two days. One of two duck hunters trapped in Gorge froze to death before he could be rescued. Strong, very cold east winds through Gorge poured out into Willamette Valley particularly in eastern Multnomah and Clackamas counties, including east Portland. Drifts 5-6 feet deep, in some cases even deeper, piled up on streets and highways. Beginning on the 30th freezing rain glazed the entire area. The combination of heavy ice coats on utility lines, high winds and branches of trees broken down by ice and wind and dropping across utility lines caused widespread telephone, power outages. Overloading of lines by much heavier power use due to cold caused further break-downs. In Portland, and many other cities and towns across northern and central Oregon, stores, offices, factories and all types of businesses closed early on 30th not to open again until sometime after the new year.</p>									
Pacific			None reported							
Pennsylvania Statewide	5	All day			4	4	5			Wind and Snow
	<p>A fast moving intense storm system brought strong gusty winds and precipitation to all sections of the state. The winds of up to 60 mph downed numerous trees and utility lines and broke many tree limbs and several plate glass windows. At Presque Isle winds coming across Lake Erie raised the water level three feet causing extensive flooding and beach erosion. Tons of debris were also dumped on the beach at Presque Isle State Park. Slippery roadways resulting from light snow, in conjunction with the strong winds caused a number of scattered vehicle accidents in which three persons were injured. Two persons were killed in Bedford County and another near Erie in traffic accidents. Several people were blown off their feet including one woman in Erie who was injured from the fall. In the same city a man was crushed to death beneath his car when the jack slipped on icy ground. At the Wyoming County Airport near Wilkes-Barre the wind flipped a single engine airplane on the ground causing \$9,000 damage.</p>									
Statewide	28	Afternoon			2		6			Wind and Lightning
	<p>A complex intense storm generated damaging winds and a number of thunderstorms as it crossed over the state. In Midland a section of roof blew off an office-apartment building causing \$6,000 damage. Three house-trailers at the site of the Beaver Shopping Center were overturned. Estimated damage was \$4-7,000. Numerous roofs were torn off buildings throughout the area. The owner of a trailer which was overturned and demolished during the storm was hospitalized, his wife and child suffered minor injuries. In the Pittsburgh area two persons were injured when a section of roof from a store was peeled off and landed on their auto. Heavy winds toppled the Page Airways hangar at the county airport in which six airplanes were parked. Damage was estimated at \$200,000. A small plane was flipped upside down at the Greater Pittsburgh Airport. Hailstones up to 1 inch in diameter were reported in the vicinity of Pittsburgh. At Latrobe (Tri-County Airport) three planes were tossed together by strong winds. The roof of an apartment building in New Kensington was torn off with debris damaging a car below. In Scranton heavy winds overturned a 65-foot trailer, damaged several porches of homes and knocked down power lines. It also lifted the roof from a four-apartment structure. Windows were shattered and trees downed. A tree came down on a garage caring in the roof on the car inside. The storm knocked out a 12,000 volt circuit which left residents without electricity. A nursing home was hit by lightning, damaging the roof and setting off the automatic sprinkler system. A glass vestibule was blown off a laundromat, damaging two cars on which it landed. At Ardmore the wind toppled a weakened garage wall onto six cars.</p>									
Puerto Rico			None reported							
Rhode Island Statewide	12	6-9 AM			1	?	5	0		Frost
	<p>Highway icing, the result of abnormally heavy frost wrought havoc with rush-hour traffic, particularly in Pawtucket, and caused numerous accidents throughout Rhode Island. Several injuries resulted and 1 person was killed.</p>									
Interior sections	28	All day			0	0	5	0		Glaze
	<p>Storm began as snow on the 27th but changed to freezing rain with very heavy glazing of highways and many accidents on the 28th. Ice accumulation on trees and power lines was extremely heavy and considerable damage resulted.</p>									
South Carolina Horry County	7	Evening	short	narrow	0	0	4	0		Small tornado
	<p>High winds including a small tornado struck the Live Oak area about 3 miles west of Loris. A house trailer was demolished, one house deroofed and minor damage such as broken windows and many tree limbs. Some rain, sleet and snow flurries occurred during the storm and a loud roaring noise described by a witness as a "bunch of jets or even several freight trains". Only a small rural area was affected.</p>									
South Dakota Most of State	12-13				1		5			Blizzard
	<p>The storm started in western part of state morning of the 12th and spread into the east by afternoon where it continued into morning of 13th. Snow was preceded by freezing rain. Winds of over 50 MPH caused blowing and drifting snow which occasionally reduced visibility to near zero. The eastern half of state suffered the most severe blizzard conditions. Many schools were closed and most other activities were greatly curtailed. Numerous utility lines were downed. Snowfall ranged from about 1 inch in west and up to 5 inches in east. One death was attributed to the storm. A man died of exposure during storm near Allen.</p>									
Southeast	18						4			Heavy snow
	<p>Up to 6 inches of snow was reported in area. Winds of up to 35 MPH caused drifting. Some highways were blocked and many schools were closed.</p>									
Most of State	21-22						5			Blizzard
	<p>Snowfall of 1 to 2 inches was reported in the west and ranged up to 18 inches in the southeast. The snow was accompanied by winds of over 50 MPH. Visibility was occasionally reduced to near zero and drifts of up to 10 feet and more were reported. The eastern part of the state was the hardest hit where nearly all transportation was blocked by the storm. Most schools were closed and other activities curtailed. Many utility lines were down.</p>									
Tennessee East State Area	28	During Day			0	0	4	0		Wind
	<p>Winds, associated with frontal passage caused scattered damage to power service, mobile homes and trees. Gusts up to 40 mph were recorded at Weather Bureau Stations at Chattanooga, Knoxville and Tri-City Airport. In the Gatlinburg area, two mobile homes were heavily damaged when they were overturned by the gusty winds.</p>									
Texas Overton Rusk Co.	12	1:30 p-2:00 p	2	50	0	0	?	0		Tornado
	<p>A tornado dipped down into the Meadowbrook Addition of Overton and caused minor damage to a few homes and trees. The tornado moved from southwest to northeast. Witnesses reported it "sounded like many trains". A barn was completely blown away, leaving hay perfectly stacked on the barn site.</p>									
Kilgore Gregg Co.	12	1:55 p	0	0	0	?	0			Lightning
	<p>Lightning struck the top of a 16-foot tall oil storage tank belonging to Wookingbird Oil Company, igniting the oil inside. The tank was nearly full, with oil within 18 inches of the top.</p>									
near Marshall Harrison Co.	12	3:10 p	?	?	0	0	?	0		Tornado
	<p>A tornado hit along Birmingham Drive near Marshall, damaging the home of Mrs. Ruth Oliver. The house is located about 300 yards from Elysian Field Avenue to the east of Marshall. Mrs. Oliver heard "a roar coming", and sat down in a kitchen chair, the next thing she realized she "was on the floor", and the house "had been picked up and was in the air". Witnesses described the Oliver house being "picked up in the air five or six feet" and "then it just dropped". Across the road at the George Edwards home much of the roof was blown off a combination poultry house and barn. No one was injured.</p>									
Nacogdoches Nacogdoches Co.	12	3:18 p-4:45 p	12	100	0	0	4	0		Windstorm, heavy rains
	<p>High winds and heavy rains caused an estimated \$19,000 damage to property in Nacogdoches. The northern section of the city was hardest hit. A drive-in theatre west of the city was blown down and a near-by house suffered minor damage. Porch roofs and T. V. antennae were damaged. One garage was lifted up and carried into an adjoining field. Two large plate glass windows were blown out of a service station north of Nacogdoches. The storm may have included a tornado funnel, but none were sighted. Wind damage was estimated at \$11,000 and rain damage at \$8,000. The storm moved from southwest to northeast.</p>									
near Conroe Montgomery Co.	12	3:45 p	6	100	0	0	5	0		Tornado
	<p>A tornado ripped through two settled areas southeast of Conroe and destroyed a sawmill and lumber yard, one home, and damaged several others. Property losses were estimated at \$150,000. The tornado caused an estimated \$75,000 damage to the Milton Howard Lumber Company, on Highway 105 East, just past the New Caney cut-off. The tornado demolished the five-room home of E. E. Ferguson closer to the New Caney cut-off and even blew the foundation some 30 to 40 feet from its location. Mrs. Ferguson was in the house at the time. She managed to crouch near a dresser, however, and es-</p>									

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

DECEMBER 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		
Texas (continued)										
Near Conroe Montgomery Co.										cape only with minor bruises as the walls crumbled around her. Several barns and outbuildings owned by W. R. Robman, three miles east of Conroe were demolished. The Rodman home was damaged when one end skidded around some 12 or more feet and dropped 16 inches off the blocks beneath it. A neighbor, F. P. Baker, said he saw one of Rodman's bales of hay flying high in the air "and all of a sudden it seemed to explode. It just disintegrated". The tornado picked up a station wagon on Interstate 45 south of Conroe and put it back down heading in the opposite direction astride one of the posts in the esplanade. The Automobile was badly damaged, but the driver apparently unhurt. The storm moved from southwest to northeast.
Perrin Jack Co.	18	10:30 a	**200	17	0	0	3	0		Tornado A tornado destroyed one house trailer and damaged two small outbuildings at Perrin. No one was injured. The storm moved from west to east.
Burleson Johnson Co.	18	11:15	a short narrow	0	0	3	0			Tornado A small tornado dipped down at Burleson Wrecking Yard, 420 N. Burleson Boulevard in the northeast part of Burleson. A 36-ft. by 40-ft. frame and sheet metal building collapse. Some sheets of metal were blown 60 to 75 yards away. Damage was estimated at \$3000. The storm moved from west to east.
Cleburne Johnson Co.	18	11:37 a	**200	100	0	0	2	0		Tornado A small tornado passed through the south part of Cleburne and snapped off six utility poles. The roof was torn off the freezer room at Lanier Wholesale Meat Company. Property losses were estimated at \$400. The storm moved from southwest to northeast.
Grand Prairie Dallas Co.	18	afternoon	?	?	0	0	4	0		Windstorm A windstorm caused an estimated \$30,000 damage to the roof and a large sign at Deb's Danceland in the 2500 block of West Jefferson Street. Wind gusts were estimated at 50 miles per hour.
Henderson Rusk Co.	22	12:00 a	1	300	0	0	4	0		Tornado A tornado damaged the roofs of several units of the Wood Lawn Hill Motel. Damage was estimated at \$18,000. The owner of the motel said he heard a roaring noise before the tornado struck. Trees were knocked down in a circular pattern. The storm moved from west to east.
East Dallas Dallas Co.	27	9:45 a	?	?	0	3	?	0		Windstorm Three construction workers were injured, one seriously, when a windstorm, which may have included a tornado funnel, hit the adult education building under construction at the Shiloh Terrace Baptist Church at La Prada and Oates in East Dallas. Seriously injured was James B. Steele, 40, of 4412 Madlin, in Mesquite. The year-old son of Mr. and Mrs. Lewis McGlary surprisingly escaped injury when a ceiling in the back bedroom of their house at 2105 Centerville Road collapsed. Wind blew out a number of bricks from high on the side of the Jefferson Dallas Hotel at 312 S. Houston.
near Ennis Ellis Co.	27	10:15 a- 11:10 a	1 1/2	300	0	0	4	0		Windstorm High winds that may have included a tornado unroofed several stock and feed barns at the Ennis Auction Company on SH 34 east of Ennis. The roofs flew through the air and landed on the highway and in the neighboring fields. Manager Gloria Harvey of the Steak House adjoining the property said the blow came with a terrible noise that "sounded like an explosion or a jet, or a bomb striking back of the restaurant". Damage was estimated at \$25,000.
Euless Tarrant Co.	27	11:00 a- 1:00 p	2	33	0	0	3	0		Windstorm, Funnel Aloft A windstorm damaged the roofs of four houses in Euless located about two miles apart. Two houses were on Franklin Street, one was on Cullum Street, and one was on Dunaway Street. A funnel cloud aloft was sighted in the area. Damage was estimated at \$3,000.
near Sulphur Springs Hopkins Co.	27	11:00 a- 1:00 p	8	880	0	0	3	0		Windstorm High winds lifted a large metal tank from its foundation on the George Tolson farm southeast of Sulphur Springs. A 60-foot sheet metal implement shed on the Estes Hargrave farm eight miles east of Sulphur Springs was unroofed by the high winds. Several outbuildings were damaged in the Como community. Some sign damage occurred in Sulphur Springs. Total damage was estimated at \$1500.
Mineola Wood Co.	27	11:00 a	1/2	100	0	0	3	0		Tornado A tornado touched down in the southwest portion of Mineola. Property damage was estimated at \$1000.
Athens Henderson Co.	27	11:20 a	**300	100	0	0	3	0		Tornado A tornado touched down at the west end of Ruth and Barbara Streets at Bunny Rabbit Road in a residential area in the extreme southwestern part of Athens. At least 15 homes were damaged to some extent, but most of this was minor. One small metal outbuilding was picked up and set down, upside down, about 100 yards away. One carport was damaged. Total property damage was estimated at \$2500. The storm moved from southwest to northeast.
near Tyler Smith Co.	27	11:47 a	1/2	440	0	0	5	0		Tornado Fifteen airplanes were damaged, including 10 that were a total loss, when a tornado swept across Tyler Airport (Pounds Field). One hanger was destroyed and others suffered minor damage. Total damage was estimated at \$500,000.
Fort Worth Tarrant Co.	27	morning	short narrow	0	0	?	0			Tornado A small tornado struck a lumber yard in west Fort Worth. It destroyed one storage shed and tore off a large portion of the roof of another shed. Witnesses reported a roaring sound and a circular pattern in the debris. There were no injuries.
Texas (continued)										
near Mount Enterprise Rusk Co.	27	12:00 p	?	?	0	0	?	?		Tornado A tornado damaged one building and barn south of Mount Enterprise. Another building was moved a considerable distance. One automobile was raised off the ground and set down again. The storm moved from southwest to northeast.
near Kilgore Gregg Co.	27	12:15 p	5 narrow	0	0	4	0			Tornado A tornado demolished a mobile home, parked near the intersection of SH 42 and 31 north of Kilgore. No one was at home when the funnel hit. The funnel lifted, then touched ground again in the Fredonia community about five miles away. Three homes in the Fredonia community were damaged. Two homes were partially unroofed, and a third house twisted off its foundation. Property damage was estimated at \$10,000. The storm moved from west to east.
Atlanta Case Co.	27	1:10 p	1	?	0	0	4	0		Tornado A tornado unroofed a number of buildings in the downtown section of Atlanta. Heaviest damage, amounting to about \$20,000 was to the twentieth Century Glove Corporation where the south wall of the building on South Louise Street and a large portion of the roof were torn off. Windows in many cars on the parking lot behind Grogan's Supply building were sucked out. Witnesses reported, "the tornado slammed in from the southwest. At first it made a low humming sound that slowly increased into a swelling roar as the funnel passed by". There were no injuries.
Jefferson Marion Co.	27	1:30 p	?	167	0	0	3	0		Tornado A tornado touched ground once in the northwest section of Jefferson. A lumber shed at a mill was destroyed. Damage was estimated at \$1000. The storm moved from southwest to northeast.
3 N Nacogdoches Nacogdoches Co.	27	1:40 p	13	?	0	0	?	0		Tornado A tornado blew down trees in the Douglas community in western Nacogdoches County, lifted, then touched down again about three miles north of Nacogdoches. A drive-in theatre and gas station were damaged in the area north of Nacogdoches.
Utah										None reported
Vermont State	1-2	night			0	0	0	0		Glaze Light icing from freezing rain in some localities.
Southern portion State	4-5				0	0	4	0		Rain, snow, wind, glaze Precipitation totalled mostly 1 to 2 inches. Mostly as rain with some local flooding. Much wet snow at higher elevations. Wind and snow toppled limbs and caused utility outages. Freezing rain in a few areas.
State	14-16				0	0	4	0		Snow Second storm this month with heavy precipitation. Yields mostly 1 to 3 inches. Occurred mostly as snow with variable amounts mostly 6 to 12 inches but up to two feet some higher elevations. Strong winds caused drifting in some areas with near blizzard conditions. Many accidents on slippery roads. Traffic also hampered by drifting. Many social events cancelled.
State	20				0	0	0	0		Glaze Freezing rain in some localities.
State	28-29				0	0	5	0		Glaze Freezing rain, beginning early on 28th, affected nearly the entire state but was most prolonged and serious in central and southern portions. Farther north the storm was mostly snow, with many totals 5 to 15 inches. All forms of transport delayed or hampered. Roads extremely hazardous and some were closed to traffic, marooning many travellers, including about \$00 at Pico Peak. Ice broke many trees and limbs, causing some utility failures.
Virgin Islands										None reported
Virginia Page County	5						4			Wind All areas of the county reported damage from high winds. Buildings were unroofed, one carport demolished, and extensive damage to signs, billboards, trees, and antennas.
Pittsylvania County and State	28						1			Wind In Denville, the Reverend Norman S. Chetin was hospitalized with head injuries when struck by a fire escape ladder which had been shaken free by high winds. A barn was unroofed, and minor damage sustained to five cars when a section of roofing was blown on them. Minor damage also occurred in other parts of the state due to the same strong winds.
Washington Entire State	3-4						5			Wind and rain. Strong winds associated with a weather system crossing on the 3rd and 4th resulted in property damage in various localities of the State. Two large house trailers were wrecked as they were towed across the Tatoma Narrows Bridge and another house trailer in the Tri-City area was blown over. Power outages occurred in numerous areas and a few building roofs were damaged. Heavy rain in western Washington

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

DECEMBER 1968

DELAYED DATA

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	
Washington (continued)									
Most of State	30-31						5		Snow
	Unusually heavy snowfall began during evening of 30th and continued through 31st. In mountains, 20 to 30 inches fell in 24 hours and 10 to 15 inches over lower elevations of western Washington. Amounts over eastern Washington were somewhat less. In the Puget Sound area, traffic was almost stopped for several hours and most stores and offices remained closed on 31st. Mountain passes were blocked by heavy snowfall and slides.								
West Virginia									
Martinsburg	5	10:45 a.m.			0	0	4	0	Windstorm
	A strong cold front which dropped up to 7 inches of snow in the mountains caused widespread wind damage in the Eastern Panhandle. Martinsburg airport recorded wind gusts up to 67 miles per hour. 300 customers were without power for three hours as trees and limbs fell across wires. The wind also damaged roofs and TV antennas. Two house trailers sustained considerable damage.								
Wellsburg, Brooke County	28	Noon			0	0	5	0	Lightning
	Lightning struck a \$25,000 transformer in Mammoth Plastics Co. and the resulting fire caused smoke damage to thousands of plastic containers. Total damage was estimated at \$75,000.								
Huntington	28	4:30 p.m.			0	0	2	0	Windstorm
	Numerous power outages occurred as winds gusted up to 52 miles per hour.								
Parkersburg	28	8:30 p.m.			0	0	2	0	Windstorm
	600 customers were without power for several hours as trees fell on lines during the passage of a strong cold front.								
Wisconsin State	12-13				0	0	5	0	Wind
	Deep low pressure area crossed state with strong wind doing scattered damage to buildings, signs, and trees. Scattered thunderstorms occurred throughout state ahead of low while blizzard conditions developed in northwest behind low.								
Washburn County	12				1	0	0	0	Lightning
	Lightning bolt kills 70-year old man, Fred Witt, while ice fishing on Hashaw Lake near Shell Lake. Companion knocked down, but escaped injury.								
State	19, 25 & 28				1	0	6	0	Snow
	Three heavy snowstorms each with about a foot of snow along their heaviest belt buried many communities in central and northern Wisconsin. High winds caused considerable drifting and closed many roads for days. Rain fell in southeastern portions during the first two storms. Many roofs collapsed under the weight of the heavy snow. One man aged 65 died of exposure in Trempealeau County while walking 1/8 mile to his home on December 19. Several other persons died in weather related accidents and from heart attacks.								
Racine County	31				1	0	0	0	Cold
	Atty. Robert Choinski, 38, died of exposure while walking from his disabled auto on windswept country road in below zero weather.								
Wyoming									None reported
See reference notes at end of table.									
Arkansas	May 1968								
Marion - Crittenden County	16	1:00 a. to 1:15 a.			0	0	0	0	Funnel aloft
	This is a continuation of the instability area that began in the Hot Springs area earlier in the evening. In this open country bordering the Mississippi River, no damage was reported or considered likely. This funnel aloft developed into the tornado later sighted in the Memphis vicinity.								
Ashdown - Little River County	16	10:45 p.			0	0	3	0	Hail and wind
	Golf ball to baseball size hail reported. House trailers knocked off foundations and windows broken.								
Iowa Chickasaw and Winneshiek Counties	May 15	4:00 p.					4	4	Hailstorm
	Hail to 1 inch diameter.								
Jackson Junction, Winneshiek County	15	4:30 p.							Funnel cloud
	Moved northeast near Jackson Jct.								
Jackson Junction	15	4:35 p.	1/2	300				3	Tornado
	Formed from same cloud as previous funnel.								
Postville, Allamakee County	15	5:00 p.							Funnel cloud
	Possibly a tornado.								
Iowa Logan, Harrison County	June 1968	24	6:35 p.						Tornado
	Tornado moved southeast 25 mph.								
Mondamin, Harrison County	24	6:35 p.							Tornado
	Moved southeast 25 mph.								
Little Sioux, Harrison County	24	6:35 p.							Funnel cloud
Missouri	June 1968	11	5:00 PM	1/2	25			3	Tornado
	A small tornado moving east-northeast touched down at treetop level just west of Missouri Highway 5, 2-1/2 miles north and 2-1/2 miles west of Bancroft, Missouri. It crossed the highway and cut a narrow swath through a partially wooded area passing within 100 yards of historic Ravenswood Manor.								
South Dakota	June 1968	29	8:00 p.						Tornado
18 W Winner	Tornado apparently touched down in open country with no damage reported.								
15 NE Winner	29	8:45 p.			0	0	0	0	Tornado
	Tornado apparently touched down in open country with no damage reported.								
Pacific Mariana Islands	Aug. 1968	29-31			0	0	0	0	C Typhoon
	On morning of 29th WENDY executed 25 mile-diameter loop around Anathahan Island with center winds of 85 to 115 miles an hour, then moved northwestward close to Guguan and Alamagan Islands. Was 70 miles west of Pagan Island afternoon of 30th with center winds 125 miles an hour, and 100 miles west of Agrihan Island that night with center winds 160 miles an hour.								
	Saipan sea level pressure minimum 29.471 inches, peak winds 40 miles an hour before wind equipment damaged by debris. Gusts 60 to 70 miles an hour estimated from vegetation damage. Damage on other smaller inhabited islands unreported, but presumed extensive.								
Wake Island	30	Morning			0	0	0	0	Tropical Storm
	Intensifying tropical storm AGNES passed 140 miles to south, with center winds 40 miles an hour. Peak gust at Wake 59 miles an hour, rain over 2 inches. No damage reported.								
Oregon	Sep. 1968								None reported
Pacific Mariana Islands	Sep. 1968	2			0	0	0	0	C Typhoon
	AGNES moved west-northwestward between islands of Sarigan and Anathahan, 15 miles from each, with center winds 105 miles an hour. Saipan, 85 miles south, recorded maximum winds 30 miles an hour, heavy rain, minimum sea-level pressure 29.359 inches. Damage on Saipan light, but presumed severe on two islands nearest typhoon center.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

DELAYED DATA

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	
Puerto Rico Mayaguez	Sep 2	1968 afternoon			0	0	4	0	Heavy Rains
			Heavy rains caused the Yaguez River to overflow with flooding of homes, businesses and highways along route 114 from Mayaguez to Las Marias and in the city around Comercio, Aduana and Industrial streets. About 40 homes on Mendez Vigo, Balboa and Trastalleres streets were partially flooded. Damaged occurred to the Vocational High School, the Atlantic Industries Plant, the India Brewery and the Atlantic Feed Company.						
Juana Diaz	27	4:00 p.			0	0	5	0	Heavy Rains
			Flash flooding of the Jacaguas River in Juana Diaz caused the destruction of a bridge and part of the road thru the town in the Colonia Luciana area. The road and bridge had been built two years ago at a cost of \$60,000.						
Michigan Bronson, Branch County	Oct. 24	1968 3 PM			0	0	0	0	Funnel Aloft
			Funnel extended from cloud base toward the southwest, photographed from Bronson but observed by many. Funnel did not touch down or cause any damage.						
Pacific Eniwetok, Marshall Islands	Oct. 3	1968 1:35 p.-			0	0	0	0	Waterspout
			Waterspout reported between David and Bruce Islands, 9 miles north northeast of Eniwetok. No hook echo seen on radar. Surface wind at Eniwetok southwest 21 miles an hour, with towering cumulus all quadrants.						
Oregon	Nov. 1968		None reported						

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
South Dakota (continued)	25	8:00 p.							Farmer-Spencer area, E Hanson and W McCook Counties
	26	6:30-7:00 p.							Wilmot area, SE Roberts County
	26	6:30-7:00 p.							Cresbard area, NE Faulk County
	26	7:00-8:00 p.							Ashton-Frankfort area, S. Spink County
	29	3:10-4:20 p.							Tyndall area
	30	2:00-2:30 p.							Armour-Delmont area, E Douglas County
Utah	All entries from April 28, 1968 through July 1968								
Virginia	June, 1968	19	8:30 p.	(should be 7:00 p. EST, or possibly 7:00-8:30 p. EST)					
	July, 1968	17	3:00 p.						
West Virginia	All entries from April 28, 1968 through July, 1968 <u>except</u> the following:								
	June, 1968	12	2:15 EST	Parkersburg					
Mississippi	May 1968	erratum:	Delete	Amita	County	May 13th	entry.		
Oklahoma Greer County	May 31	1968 3:00p.- 5:00p.	7	*2 1/2	0	0	1	5	Hail, rain, and funnel aloft
			Correction: Please delete the last sentence from this original account which read "This funnel was also observed by the radar unit at Altus Air Force Base".						
Illinois Kankakee County	June 24	1968 6p-7p			0	4	4		High wind
			To correct time from previously reported 7p-8p.						
Iowa CORRECTION: Underwood, Pottawattamie County	June 25	1968 0:30 a							Funnel cloud
			Moved northeast 20 mph. (previously entered in June data on 24th).						
Pennsylvania Holbrook Green County	June 25	1968 Afternoon	?	?			1	5	Tornado
			Strong winds from tornado unroofed a number of houses and barns and uprooted trees. One woman injured when wind overturned kitchen table and exploded a section of the second floor of her home.						

CORRECTIONS

Listing of Entries in Storm Data for 1968 That Have Been Published in Daylight Saving Time

State	Month	Day	Daylight Saving Time as Published	Location	
Arkansas	May, 1968	all entries			
Idaho	All entries from April 28, 1968 through July 1968				
Illinois	June, 1968	24	7p - 8p	Kankakee County	
Kentucky	May, 1968	13	3:05 p.	Christian County	
		13	3:15 p.	Muhlenberg County	
		13	11:15 a.	Marshall County	
		28	4:30 p.	Jessamine County	
		29	2:05 p.	Greemp County	
		June, 1968	1	10:00 p.	Larue County
		16	4:15 a.	Union County	
		16	10:30 p.	Christian County	
		17	2:00 p.	Grant County	
		25	2:00 p.	Bourbon County	
Maryland	April, 1968	30		College Park	
		June, 1968	3	4:15 p.	Montgomery, Frederick, and Prince Georges Counties (the 1:30 p. is EST)
		10	4:00-5:00 p.	Oakland	
		16	4:55 p.	Rockville	
Michigan	June, 1968	7	5:51 p.	Cass City 4 SW	
		11	3:30 p.	Ithaca 8 S	
		11	4:00 p.	Flint 5 SW	
	July, 1968	23	7:30 p.	Hillsdale 6 W	
Minnesota	May, June, and July 1968 -- all entries				
Montana	All entries from April 28, 1968 through July 1968				
Nevada	All entries from April 28, 1968 through July 1968				
New York	All entries from April 28, 1968 through July 1968				
North Carolina	June, 1968	7			
Rhode Island	May, 1968	29		Woonsocket	
South Carolina	All entries for May, June, and July 1968				
South Dakota	July, 1968	12	5:45 p.	Near Milbank, Grant Co.	
		13	5:30 p.- 6:00 p.	Clark County	
		14	4:30 a.- 5:00 a.	Clark County	
		17	4:00 - 6:00 p.	Central Harding and Central Perkins Counties	
		17	10:00-10:30 p.	Avon-Tyndall area, Bon Homme County	
		22	7:00-7:40 p.	SE Meade and SW Haakon Counties	
		23	3:00 a.	4 W Doland	

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

DECEMBER 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	
Delaware Statewide	5	Afternoon			0	0	4	0	Wind
			Strong gusty winds downed trees, damaged roofs, overturned at least one house trailer and knocked down utility lines. Top wind gust, reported at the Greater Wilmington Airport was 61 miles per hour at 2:15 PM.						
Northern portion	10	4:13 AM							Earthquake
			A brief earth tremor woke some people in this area. No damage was reported; however, it did apparently cause a brief shutdown of the Porter Reservoir pump plant of the Wilmington Water Department.						
Southern portion	14-15	PM - AM							Snow
			Snow, up to 6 inches in depth, covered the area and was blamed for a number of auto accidents and a traffic death.						
Maryland Upper Chesapeake Bay	4	Evening			2	0	0	0	Wind
			Two duck hunters apparently drowned when a strong gusty wind capsized their flat-bottomed boat.						
Statewide and District of Columbia	5	Late morning & afternoon			0	0	5	0	Wind
			Strong gusty winds downed scores of trees which damaged homes and cars, knocked down power lines, overturned trailers and demolished farm buildings and at least one concrete-block garage. Winds apparently caused the collapse of a 206-foot radio tower near Towson. Two women were injured slightly by a falling tree in Baltimore. Top gusts at Baltimore (Friendship International Airport) reached 56 mph several times between noon and 2:00 PM.						
Garrett County area	8-9	AM - AM							Snow
			Heavy snow, up to 24 inches in depth, was reported; depths to 8 1/2 inches were also reported along the higher elevations in westernmost Allegany County. Washington County and the rest of the state had mostly flurries.						
Southern half of Eastern Shore	14-15	PM - AM							Snow
			Snowfall confined mainly to Eastern Shore, reached 4 to 6 inches in depth at Salisbury.						
Northeastern portion	19	AM					4		Glaze
			Glaze on highways was blamed for one highway death and many minor accidents.						
Northern and central portions and District of Columbia	27	AM					5		Glaze
			Freezing rain coated streets and highways with glaze and made them dangerous for travel. Many minor traffic accidents were reported.						

* Includes crop damage.
 C Crop damage.
 * Miles instead of yards.
 ** Yards instead of miles.
 † Storm damages are placed in categories varying from 1 to 9 as follows:
 1 Less than \$50
 2 \$50 to \$500
 3 \$500 to \$5,000
 4 \$5,000 to \$50,000
 5 \$50,000 to \$500,000
 6 \$500,000 to \$5,000,000
 7 \$5,000,000 to \$50,000,000
 8 \$50,000,000 to \$500,000,000
 9 \$500,000,000 to \$5,000,000,000.

Note: This publication contains our best information on storms but, due to the difficulties inherent in collection of this type of data, it is not all-inclusive. Delayed data and corrections will be carried in the June and December issues of this publication.

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USCOMM-ESSA-Asheville, N. C. -1/31/69-1150