

U. S. DEPARTMENT OF COMMERCE

Lewis L. Strauss, Secretary

WEATHER BUREAU

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STORM DATA

FEBRUARY 1959

Volume I No. 2



ASHEVILLE: 1959

STORM DATA AND UNUSUAL WEATHER PHENOMENA

February 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ARKANSAS									
Huntsville-Hindsville area, Madison County	9	Evening			0	0	3	0	Wind
			Wind damage to roofs, windows, TV antennas, small out-buildings, and barns. Electric power interrupted.						
Penton County - to the west of Springdale	10	12:09 AM			0	0	3	0	Wind
			High voltage power-line to the west of Springdale blown down. Electric service interrupted over wide area. Some damage to roofs.						
Harrison, Boone County	10	Early morning			0	0	2	0	Wind
			Plate glass display window broken and electric power interrupted in Harrison.						
CALIFORNIA									
Near Linden, San Joaquin County.	11	4:36p							Funnel aloft.
			Observed by Air Force pilot. Dissipating at time.						
Southern California, coastal.	11				1	4			Thunderstorms, heavy rain, hail.
			Widespread thunderstorms. Lightning struck a transformer and two power lines in San Fernando Valley, a home in Pasadena, and another in Escondido. Hail up to size of half dollar fell in areas north and west of Los Angeles. High winds blew over lunch room at Venice, damaging three trailers. A storm drain collapsed and low lying areas were flooded in Los Angeles. A boy rescued from rain swollen Los Angeles River suffered minor injuries. Streets and intersections were flooded in Glendale, and mud slides occurred in several canyons. Flood waters damaged a home at La Crescentia. Most damage caused by heavy rain, only minor damage by lightning and hail.						
Enise State	11-16				2	5	0		Wind and rain.
			Storm front moved southeastward across the State with gale force winds and heavy rain. Peak gusts reported reaching 75 M.P.H. at El Monte Reef and Santa Maria, 68 M.P.H. at Arcata and Sacramento, 64 M.P.H. at Moffett Field, 58 M.P.H. at Salinas, and 57 M.P.H. at San Francisco Airport. Widespread damage to trees, fences, utility lines, TV antennas, signs and buildings. A huge dust storm south of Bakersfield on the 15th closed U. S. Highway 99 for several hours. Sheds or barns were blown down at Reed, Dixon, Fresno, and near Bakersfield. Plate glass windows were smashed at Corte Madera, San Francisco, Antioch, and Bakersfield. A cabin cruiser and a \$15,000 fishing boat were wrecked on the breakwater at San Pedro. Two persons injured at Leuzadia, San Diego County, when a large link fell on passing car. Creeks overflowed and flooded roads and farm lands near Fortuna, Geyserville, Lakeport, Point Arena, Madron, Zamora, Patterson and Newman. The Russian River reached a peak stage of 33.7 feet at Guerneville, flooding cottages in low-lying portions of summer resort area, and caused some minor flooding of farm lands and roads up stream. Local flooding of streets occurred at San Rafael, Kentfield, Novato, and San Diego. Damage from rain about 10% of total, by wind 60%.						
Fort Ross, Sonoma County.	17	4:15a	1/2	50			3		Tornado
			Small tornado moved from southwest to northeast, skirting home of Carlos Call, south of California cooperative weather observers. Shingles and sheathing ripped from 12 by 24 foot area of roof. Windows destroyed and branches twisted from trees along path. Circular character of storm indicated by scattering of debris. Heavy rain and lightning.						
COLORADO									
San Juan Basin	1-2	Early AM 1st thru 2nd.			1				Heavy Snow
			A heavy 15-30 inch snowfall in the Durango, Pagosa Springs, Wolf Creek Pass area closed roads and passes at high elevations. Many accidents occurred due to snowpacked & ice covered roads. One man was killed in an auto accident caused by icy roads on a hill near Pagosa Springs.						
CONNECTICUT									
	9-10	p. of 9th - p. of 10th				5			Freezing rain, rain, snow
			Storm began midday on 9th and yielded 1-3 inches of snow before changing to sleet and freezing rain early morning of 10th. Ice coating of 1/2 to 3/8 inch caused breakage of trees and power lines as well as hazardous driving and walking conditions. Injuries due to falls and auto accidents. Power failures scattered and mostly minor; some schools closed. Precipitation changed to and ended as rain with deeply frozen ground causing heavy runoff and considerable street flooding. Storm general.						
	23	p.m.			Many				Snow
			General snowfall of 2-5 inches resulted in very hazardous driving conditions during afternoon and evening rush hours. Many people injured in falls and traffic accidents; hospitals in Hartford alone admitted 80 persons for injuries of which about a dozen were serious.						
FLORIDA									
Miami Dade County	16	Unk.			0	0			Funnel Cloud Aloft
Miami Dade County	26	1:55 PM			0	0			Funnel Cloud Aloft seen 1 mile NW Miami Airport. Did not touch ground
Ruskin Hillsborough County	27	2:45 PM			0	0			Waterspout
GEORGIA									
Northeast Lowndes County and Northwest Lanier County	4	3:40 to 4:15 p.	7	50-200			4	1	Tornado
			Storm began 2 miles west of Moody Airforce Base and moved north-eastward through northeast Lowndes County and into northwest Lanier County. Damage to residences, barns, TV antennas and trees. Moody AFB radar picked up two other suspected tornadoes in the air southeast of Valdosta on the same afternoon. No damage at the surface was reported.						
Jasper, 8 miles south Fickens County	10	5:15 p.	2	100			4		Tornado
			Residences, barns and broiler houses damaged or destroyed over a small area.						
IDAHO									
From Camas and Blaine Counties eastward to Wyoming border.	9						4		Heavy snow
	11		Snow began on 9th and continued to afternoon of 11th. Heavy snowfall, plus some drifting, blocked many roads, caused closing of schools in Mackay and in Clark and Teton Counties. Large truck-trailer, carrying new cars, overturned in snowstorm near Carey of the Moon with considerable damage to carrier and cargo. Near Island Park snowplow and auto collided in "blizzard", resulting in heavy damage to car. Total snowfall during storm reported at 42 inches at Sun Valley, the greatest fall in such a short time since the report was opened in 1937. Other unusual snowfalls were 32 inches at Ketchum, 21 inches at Halley and 36 inches in the Carey-Arco area.						
ILLINOIS									
Macoupin, Madison, Montgomery, and St. Clair counties	3	early morning			0	0			Ice storm
			Highway traffic almost completely stopped. Most schools in area closed. Ice broke up in afternoon. Little damage to power and communication lines.						
Extreme north	9-10				0				Ice storm
			Freezing rain began early on the 9th and continued well into the 10th except for periods of thawing during the afternoon. Glazing was very heavy during the night and probably heaviest northeast of Rockford along the Wisconsin border. Heavy icing was found generally north of a line from southern Cook County westward to just south of Collins. Hundreds of schools were closed for one or two days. Power and communication line failures were numerous and widespread.						
East central	9-10				0				Heavy rain
			From one to two inches of rain falling on frosted ground caused flash flooding in the area extending from Springfield to Ottawa and southeastward.						
South central	10	2 A.M. - 5 A.M.			0	0	5	0	Wind storms
			Scattered wind damage was reported in a 60 mile wide band extending from St. Louis eastward across the state to the Indiana border. Some of the damage was possibly caused by tornadoes but this was not confirmed except as indicated below.						
Nashville-Carter	10	2:30 A.M. 30			0	0	4	0	Tornado
			Storm moved northeastward with an intermittent path. Damage to approximately ten farmsteads near Nashville and four near Carter. Witnesses reported a "terrific roar".						
Crawford County	10	4:30 A.M. Short Narrows	0	1	4	0			Tornado, wind-storms
			One injury as house trailer was overturned at Oblong. Damage to about ten farmsteads. A field survey confirmed a tornado 3 miles north of Palestine and there may have been more than one in the county. The tornado moved toward the NE.						
INDIANA									
Muncie, Delaware County	9	11 p.			0	0	0	0	Funnel Cloud
			An unidentified man notified police of seeing a funnel cloud in southwest Muncie. A woman reported a loud noise over her house and suction of air from the house.						
	9-10				4	0			Ice, fog, wind
			Many schools closed because of slippery roads in extreme north. Automobile accidents were numerous and airlines were grounded because of heavy fog. Winds up to 60 m.p.h. velocity blew down a \$6000 sign at Indianapolis, tore a small plane from its moorings at Evansville, and caused other scattered damage. Losses about equally attributable to ice, fog, and wind.						

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

February 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS		
INDIANA										KANSAS										
New Washington, Jefferson County	10				0	0	4	0	Tornado	Most of State	8-11									Fog, freezing drizzle, sleet, hail, high wind, thunderstorm, and a tornado.
Bruceville, Knox County	10	4 to 5 a.	3	100	0	0	4	0	Tornado											Slow moving low pressure system brought several days of severe weather to most of the state. The extreme west and some northern counties were least affected. The frozen deposit began in the west on the 8th, and continued on the 9th and 10th but the glaze did not disappear in some eastern localities until noon of the 11th. Roads were slick and hazardous and traffic greatly restricted. Schools were closed and many accidents resulted from skidding on the glazed traffic ways, but most of these were of a minor fender-bender nature. Pedestrian accidents were also quite numerous. There was much disruption of telephone and power service. Twenty towns in southwest and south central Kansas were isolated when toll lines were broken. Elsewhere the damage was not so great as the deposit was not too heavy for the wires to bear. Breaking limbs from ice laden trees caused much of the wire trouble. Local flying was also hindered by the ice accretions. Thickness of the glaze ranged from 1/8 inch or less to in some cases 3/4 inch. A thunderstorm began in the midst of this glaze storm about 5pm on the 9th and progressed rapidly south eastward across the state ending at Columbus about 10pm. It was of short duration, lasting only 15-30 minutes at any one location. The following damages resulted from the thunder storm:
Sullivan County, northern	10	5 a.			0	0	4	0	Wind											At Liberal about 5:30pm gusty winds reaching 91 mph. over turned 3 trailers in a court injuring one woman. Dust was blowing and sleet falling at the time of the accident. Visibility was at times reduced to 1/16 mile.
Indianapolis, Marion County	10	5:54 a.	**500	50	0	0	4	0	Tornado											Over the southeastern counties high winds and hail were reported between 9 and 10pm with some minor damages to roofs especially from the wind. At Columbus and Pittsburg many folks reported hearing a loud roar about 10 pm.
Anburn, DeKalb County	10				0	0	4	0	Rain											9 10:15p-10:20p A small tornado damaged several farm buildings, killed 4 calves, and crippled 2 pigs near Newton, a small town in Cherokee county, near the Missouri line.
Pike County	10				0	0	4	0	Wind											20 7p-6p Strong winds, reaching 78 mph in gusts, raised considerable dust and caused some damage to store windows and shingled roofs in Liberal.
Mitchell, Lawrence County	10	Morning	Few		0	0	5		Tornado											10 6:15AM short narrow Four classrooms of a high school in Morganfield were unroofed and a portion of one wall of the school bowed in. The damage occurred during a heavy thunderstorm and was apparently by a small tornado. No other town damage was reported. A funnel was observed by a nearby resident.
New Castle, Henry County	10	9 a.			0	0	0	0	Funnel cloud											10 8:30AM 1 1/2 440 Tornado swept across the southeastern part of the county about 10 miles southeast of Carrollton destroying three homes, flattening 12 barns and leveling numerous outbuildings.
Northern	10-13				1	0	07		C Rain											10 AM Five barns were flattened and the contents were either damaged or destroyed.
Rainfall of 3 to 4 inches on ice and frozen ground in north central Indiana caused flooding on the Wabash River and in the Ft. Wayne area. Hardest hit was Peru where a temporary levee broke flooding about 700 homes. At Wabash 150 homes, 5 factories, and 9 business places were flooded. Three bridges in the county were washed out. At Georgetown 100 homes were flooded and a store was wrecked by ice. Evacuation of families numbered about 100 at Logansport and Ft. Wayne, 75 at Lafayette and Delphi. Ice jams caused rapid fluctuations of river levels. Crushing ice destroyed shoreline property on Lake Shafer, Lake Freeman, and along the Wabash River. Some farm stock perished. A man was drowned when his car travelling through water fell into a flooded ditch.										Kentucky										
IOWA										LOUISIANA										
Throughout State	1-7				0	10	4		Snow											14 7:15 AM **110 Tornado touched ground briefly on Duncan Road just off Lakeshore Drive, damaged several homes and other buildings.
Throughout State	9-15				1	70	4		Snow, glaze and sleet											
Central Iowa	17-21				0	8	4		Snow											
Snow over entire State, preceded by sleet, and glazing in the south central, southeast, and east central divisions resulted in hundreds of personal injury and property damage falls and traffic accidents. Power and telephone lines were down throughout much of the glaze area.										MAINE										
Packed snow caused numerous traffic accidents and falls.										Entire state										
KANSAS										Entire state										
South central counties	31-1				3				Heavy snow											
A very heavy fall of wet snow began in the west early on the morning of January 31st and left up to between 4 and 10 inches over the area from Clark to Cowley counties and north to Rice and Marion counties. The greater part of the snow fell during the afternoon and was over by 8 or 9 p.m. Streets and highways were blocked, and became slippery where travel was possible making very hazardous traffic conditions. Batted traffic was possibly the worst result of the storm. Two bad accidents were caused by skidding and lack of visibility in the heavy snow, one near Bucklin and the other east of Pratt. Three deaths resulted. Numerous persons were injured in other more or less minor accidents.										9-11 Storm began as snow, changing to freezing rain late on 9th or on 10th, and ending on 11th as snow again. Travel conditions hazardous with numerous minor accidents. Hundreds of cars stalled. One death from exertion blamed on storm and one death from falling on ice. Injury total from falls and auto accidents partially estimated. Many schools closed.										
See reference notes at end of table.										Southern portion										
										18 P.M. Roads hazardous with many cars sliding into ditches or involved in minor accidents.										
										Central and northern portions										
										19 Snowfall averaged 8 to 15 inches with drifts to 4 to 5 feet in some areas. Transportation delayed. One injured in auto accident.										
										Scarboro, Cumberland County										
										23 P.M. One injured in accident attributed to snow.										

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					KILLED	INJURED	PROPERTY	CROPS	
MASSACHUSETTS Parts of central and western portions	4	A.M.			2	4			Glaze
	Very hazardous icing conditions in many areas. Two injured at North Adams by falls. Many minor auto accidents with some routes closed by authorities as impassable. Many schools closed.								
Entire state	9-11				25	5			Glaze, sleet, snow
	Freezing rain, with sleet in some areas, occurring mostly in the morning on the 10th, was sandwiched between snowfalls. Driving conditions were hazardous. Thousands of cars were stalled and numerous accidents occurred. At least 25 were injured in auto accidents or pedestrian falls. Trees and limbs broke under the weight of ice, falling onto utility lines and interruption of service resulted in many local areas. A limb fell through an auto windshield at Attleboro. Ice coating was reported 5/16 inch thick at Walpole. Many schools closed.								
Much of state	14-15				2	4			Ice (Sleet and/or glaze)
	Several skidding accidents on glazed highways. Two injuries in accident at North Adams. Most hazardous conditions were in the northern Berkshire area.								
Hampden and Hampshire Counties	19	P.M.					4		Wind
	Wind gusts reached 60 to 75 miles per hour. Some buildings suffered structural damage. Roofs, cornices, aeriels, chimneys, plate glass windows and trees and vines were reported damaged.								
Entire state	23-24	P.M.-A.M.			1	15	4		Snow
	Streets and roads became extremely slippery. Hundreds of minor accidents occurred and thousands of cars were stalled on highways. Injuries were from auto accidents and falls. Some utility failures were caused by vehicles striking line poles. One death from exposure at Lynn.								
MICHIGAN									
Entire State	9-10	Early morning of 9th thru mid-day of 10th.			120	4			Ice Storm and Heavy Snow.
	Freezing rain and drizzle began on morning of 9th and continued intermittently into the 10th in the south portion of the state and turned to heavy snow over north portion on the 10th. Rising temperatures late at night on the 9th over the south portion of state resulted in a short period of heavy rain which flooded many basements in the Coldwater area and put 2000 telephones out of service due to flooded cables. Many automobile and falling accidents resulted from glazed streets and walks. Glazing of power lines in Muskegon area caused major power failures there.								
Northern Half	23	Early Morning				4			Heavy Snow
	10-15 inches of snow fell over the northern sections of state. Wet snow clinging to wires resulted in disruption of telephone service in Manistee, Mason and Benzie counties; and in power failure in Lake county. In Mason county a garage collapsed from weight of snow.								
Entire State									
	Winter of 1958-9. This past winter has been one of the most severe on record. Average temperatures were the coldest since the winter of 1935-6. Total snowfall has been very heavy. Total snowfall of 114.3 inches in the Muskegon area exceeds all past records. Many other areas also have had near record amounts of snow. Damage has been high in buildings which have collapsed from weight of snow. Underground water mains have frozen in Escanaba and in some areas in the "Thumb". Ice storms have been frequent and damaging.								
MISSOURI									
Duenweg-Joplin-Atlas area, Jasper County	9	2:10 p., 2:30 p.	5	800	1	4			Tornado
	This storm first hit in the area just east of Joplin, moved northeast to the Duenweg-Atlas communities. Witnesses in Duenweg area report hearing loud roaring sound. Evidence of buildings bursting outward. Very heavy rain accompanied storm.								
Lockwood-Fairplay area, Polk-Dade-Cedar Counties	9	11:01 p.	25	50-100		3			Tornado
	At 10:30 P.M. several farm buildings were damaged near Waco, in Jasper County. This would be in line with the path of the tornado in Polk and Dade Counties. The narrow tornado path was observed from near Lockwood to Fairplay. Several farm buildings were damaged, and some heavy farm machinery was blown over. A 2x4 timber was driven through the body of a hog.								
Lebanon, Laclede County	9	7:30 p.				3			Funnel Aloft
	Half 1" in diameter. Some residents report hearing roaring noise. Wind velocity estimated 75 MPH in gusts.								
Waynesville, Pulaski County	9	8:00 p.				3			Thunderstorm
	Half 1 3/4 inch in diameter.								
Hearney, Clay County	9	9:25 p.				4			Glazing
	Power and telephone lines down.								
MISSOURI									
California, Moniteau County	10	12:01 a.					3		Funnel Aloft
	Some damage to buildings. Heavy rain.								
Sullivan, Franklin County	10	1:40 a.					2		Funnel Aloft
	Heavy rain and winds estimated 60 MPH. Many residents heard roaring sound.								
Butler-Dunklin-Scott Counties	10	Early morning					4		Thunderstorm
	Several farm buildings damaged. Many power and phone lines down.								
St. Louis, St. Louis County	10	1:40-2:15 a.	25	100-200	21	35	7		Tornado
	Storm path first in evidence near Sherman, in the Southwest corner of St. Louis County. Several houses and buildings damaged in rural areas along path. First major damage in vicinity of intersection of Manchester Road and Woodlawn, in the Southwest suburban area of the metropolitan area. Roofs off houses and stores, many trees and vines down. Next major damage in area just south of Forest Park, including heavy damage to Arena roof, large T.V. tower blown down, large trees and vines down. Heavy damage to apartment houses in vicinity of Boyle and Olive, and in an area centered near Sage and Grand. People were buried in the debris of collapsed buildings. Many power, phone lines down. Heavy damage to parked cars in streets. Forward speed of storm estimated 50-60 MPH. Some evidence that more than one funnel was involved. Some damage to homes in the Northern and Southern parts of the County, in addition to damage along the main storm path.								
NEBRASKA									
South-central and southeastern portions of the State	9	afternoon and evening		Widespread	0	0	3	0	Lightning
	Scattered damage over wide area. One cow killed. Lightning is very unusual in February.								
NEW HAMPSHIRE									
Most of state	4	A.M.				4			Glaze
	Roads became extremely hazardous with sanding and salting of only temporary help. Many minor accidents, especially in southern portion. Many schools closed.								
Entire state	9-11				1	4			Glaze, sleet, snow
	A period of freezing rain and sleet, mainly in the morning of the 10th, was sandwiched between snowfalls. Hundreds of cars stalled. Highway accidents mostly minor but caused at least one injury.								
Southern portion	14-15					1			Ice (sleet and/or glaze)
	No serious damages reported. Highway travel slowed.								
Southern portion	23-24				28	4			Snow
	Snow caused bad driving conditions. Several highway accidents were attributed to the storm. 25 were injured near Merrimack in a bus-snowplow collision.								
NEW JERSEY									
Jersey, Hunterdon, Warren and Sussex Counties	4	Night 8:30-6th							Glaze
	A light covering of glaze occurred over western counties of northern half of state. No reports of fatalities, injuries, or property damage.								
Gloucester County	8	Morning							Glaze
	Brief period of light glaze in vicinity of Clayton, with no reports of fatalities, injuries, or property damage.								
Statewide	9	Morning of 9th to morning of 10th.			1	11			Glaze
	Glaze storm covering most of state caused numerous automobile accidents, particularly in western and northern counties.								
Sussex and Warren Counties	15	Morning							Glaze
	Light glaze reported, but no reports of fatalities, injuries, or property damage.								
Belvidere, Warren County	14	Morning and afternoon							Glaze
	Light glaze reported, but no reports of fatalities, injuries, or property damage.								

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NEW MEXICO									
Southeastern Counties	2						3		Ice storm
Entire State	9					4	C		Windstorm
<p>Pressing drizzle most of day over southeastern Counties west as far as the Sacramento Mountains. Roads almost impassable, planes grounded. Many schools closed. Power and telephone lines down.</p> <p>Winds averaged 40 to 50 mph with gusts to 75 mph reported. Considerable soil erosion and damage to winter wheat on eastern plains. Fuschia weeds piling against wires broke down miles of fencing. Artemes and neon signs toppled. Plate glass windows broken. Several barns unroofed or damaged.</p>									
NEW YORK									
Sodus-Pultneyville-Williamson area, Wayne County	1	24-hour period			1		2		Heavy snow
Central and Eastern counties	3-4	36-hour period			3	2	3		Sleet-freezing rain, high winds
East of Lake Ontario - Oswego southward through Lewis County	6	24-hour period					2		Heavy snow and high winds
Statewide	10-11	about 30 hours				9	3		Freezing rain
Eastern counties	13-14	about 18 hours			1	14	3		Freezing rain
East of Lake Ontario - heavy snow belt	21	about 12 hours			1	20	2		Heavy snow, strong winds
Statewide	23	18 hours			2	8	3		Heavy snow
<p>A foot or more of new snow - widespread blocked highways, marooned traffic - many school children could not leave schools overnight. High winds caused severe drifting.</p> <p>Severe glazing - many traffic accidents - widespread closing of schools - power lines down.</p> <p>Severe glazing - many traffic accidents - heart attack death driving over slippery roads.</p> <p>Heavy drifting snow - near zero visibility - roads blocked. One death from heart attack driving through snow.</p> <p>Heavy snow, low visibility, severe drifting, blocked highways, many traffic accidents.</p>									
NORTH CAROLINA									
Most of State	3	Morning			1	1			Glaze
<p>One person killed, one injured, in separate traffic accidents attributed to ice on roads. Several other minor injuries due to falls, etc. Warm condition of ground kept ice off most roads, and ice which formed on trees and utility lines was not heavy enough to cause much damage.</p>									
OHIO									
Sugarree Ridge (Highland Co.)	10	10:40 AM	10	400	0	6	5	2	Tornado
Northwest Ohio	10	night and forenoon					7	5	Heavy rain and flood
<p>This tornado moved eastward through southern Highland county between Sugarree Ridge and Belfast. In addition to the Belfast school, dozens of farm buildings were damaged or destroyed. Most of the injuries resulted from a brick chimney which toppled and fell into an occupied classroom of Belfast school. Several cars were demolished and utility lines severed. Damage was also reported from several spots in adjoining Brown county near Ripley and Georgetown.</p> <p>Heavy rain, accompanied by thunders torms, dropped up to 8 inches of water within a 12-18 hour period in a band from Darke, Mercer and Van Wert counties eastward to Wyandot and Seneca counties. Northe in excess of 2 inches also fell over much of central and northeastern Ohio. Falling on solidly frozen ground, runoff was excessive, and flood conditions developed rapidly. Cities hardest hit were Van Wert, Findlay, Fremont and smaller communities along the Sandusky, Anglaise and Maumee rivers and their tributaries. Record high water was recorded in Fremont, partly because of ice jams.</p>									
OKLAHOMA									
Pawnee, Pawnee County	5	Morning					1		Snow
Cordell, Washita County	9						1		Fog
Altus, Jackson County	9						1		Dust
Braman, Kay County	9	Evening							Funnel cloud aloft
Perkins, Payne County	9	8:30 p.					2		Hail, wind
Nowata, Nowata County	9	8:40 p.							Hail
Erin Springs, Garvin County	9	After 9:00 p.							Tornado, wind
Pauls Valley, Garvin County	9	9:30 p.	1	1750					Funnel cloud aloft
Prague, Lincoln County	9	9:30 p.	3	500			3		Tornado
Welch, Craig County	9	9:50 p.							Funnel aloft, rain, lightning
Stroud, Lincoln County	9	Near 10:00 p.					3		Funnel aloft, wind
<p>Man was injured when he fell on slippery street. auto accidents occurred in the slippery snow.</p> <p>One person was injured in an auto collision in heavy fog.</p> <p>Injury resulted from auto accident attributed to blowing dust.</p> <p>Reported by residents.</p> <p>Hail up to 1 1/2 inches in diameter with strong winds up to 60 miles per hour knocked out auto and plate glass windows in Perkins. Light small hail also fell in Cushing and Stillwater. Storm moved northeastward.</p> <p>Hail up to 1 1/2 inches in diameter fell in the vicinity of Nowata.</p> <p>Tornado caused damage to buildings on 3 farms 4 miles west of Erin Springs. Strong winds unroofed a garage and blew down TV antennas in Lindsay.</p> <p>Funnel cloud aloft was sighted just southwest of Pauls Valley moving northeastward. Some hail up to one inch in diameter fell in the area.</p> <p>Several farmsteads had outbuildings destroyed or damaged just east of Prague. Tops were blown out of a number of trees. A loud roar was heard but no funnel sighted. Storm moved northeastward.</p> <p>Funnel aloft, rain, lightning</p> <p>Tornado funnel aloft was first sighted 2 1/2 miles southwest of Welch moving northeastward. It moved over Welch with a loud roar and was last sighted northeast of Welch.</p> <p>Highway Patrol sighted funnel aloft near Stroud. Strong winds caused damage to utility lines, TV antennas, garages, windows, etc. in the area. Storm moved eastward.</p>									
OREGON									
Western and Central	13-	Afternoon 1 1/2 of 13th to noon of 14th			0		5	1	Wet heavy snow, high winds; in southwestern Oregon heavy rains at lower elevations rather than snow.
<p>Heavy wet snows in Willamette Valley, extending to coast in northern two thirds of State, piled up to depths of several inches at many points, cling to power and telephone lines which came down over wide areas bringing poles with them in many cases. Hundreds of line breaks resulted in widespread service interruptions for from a few to as much as 60 hours. Extremely hazardous traffic conditions were created with many automobile accidents though no known loss of life or serious injuries. In some areas high winds accompanied snows. Combined effect was to destroy several fairly large farm buildings, other installations. Heavy rains in southwestern Oregon brought comparatively high stages in several streams clogging low lying roads and causing slides which halted traffic on major highways at a number of points.</p>									
PENNSYLVANIA									
Eastern Pennsylvania	9	All day					18	4	Snow and freezing rain
Southwestern counties	24	Morning					4	3	Snow and ice
Scranton and Philadelphia areas	24	Morning			2	20	4		Snow and ice
<p>Slippery roads responsible for numerous auto accidents which accounted for all injuries and property damage.</p> <p>Slippery roads responsible for numerous auto accidents which accounted for all injuries and property damage.</p> <p>Slippery roads responsible for numerous auto accidents which accounted for all deaths, injuries and property damage.</p>									

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

February 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
RHODE ISLAND	9-10	p. of 9th - p. of 10th			Few				Freezing rain, rain, snow
									Snowfall of 1-3 inches on 9th preceded change to sleet and freezing rain early morning of 10th. Heavy accumulation of ice caused widespread but brief power failures. Injuries occurred in traffic accidents and falls on slippery walks.
	23	p.m.			15				Snow
									Traffic badly snarled by 4-inch snowfall during afternoon and evening rush hours. Injuries due to traffic accidents and falls as traveling conditions very hazardous. City and interstate buses delayed from 15 to 60 minutes.
SOUTH DAKOTA	6-7	Night			1				Low temperature
Gery, Deuel County									A man was in critical condition with frozen hands, feet and arms, after spending the night in his car in subzero weather.
Turner, Lincoln and Minnehaha Counties	9-10	7:00 p. - 9th - 11:00 a., 10th							Snowstorm
									Snowfall reached 12 inches at Centerville, and 11 at Sioux Falls and Canton. Transportation was delayed, but not stopped entirely. Numerous automobile collisions.
Pennington County to Minnehaha County	13	1:00 - 11:00 p.			1				Glaze and Snow
									Glazing occurred from Rapid City to Sioux Falls, and was followed by locally heavy snow in the northwestern counties. In Parkins County, a man was hospitalized in a badly frozen condition, after walking from his stalled car.
TENNESSEE	14	Night							Wind
Hullins Cove Area Hamilton County									Fishing lodge and about 25 nearby autos heavily damaged; fences, signs and one house also damaged.
TEXAS	1 & 2	7 am 2/1 - noon 2/2	250	200	1	9	4		Glaze ice
South Plains, Trans-Pecos and Edwards Plateau									From Lamb County south to Brewster County, then eastward to Wichita County and south to Burnet and Blanco Counties. Warm moist air from the Gulf of Mexico overriding a dome of cold Canadian air. Precipitation from the warm air froze as it touched surface objects in the Canadian air mass. Streets and highways were ice covered. The weight of the ice coating on transmission lines snapped poles and lines. Numerous automobile accidents occurred, most of them minor, throughout the area.
West Texas, South Plains	9	aftn			5	5	2		Wind, Dust
									Season's worst duststorm to date, estimated 90 mph gusts, swept into much of west Texas and adjacent states. Damaged uncompleted buildings in Lubbock, swept house trailer off road near Dumas, demolished it; contributed to 5-car pile-up near Plainview and another near Abilene. Visibility dropped to zero over portions of the South Plains; at Lubbock gusts were clocked to 69 mph and sustained winds of 52 mph when dust hit its peak there at 6:42 pm. Two buildings badly damaged at Levelland; planes upset at Borger and Pampa; large house trailer at El Paso blown over, trees downed, windows broken. At Amarillo trailer house upset, 2-car garage destroyed. At Shamrock winds to 80 mph blew over out-buildings, out visibility to a block. Much other minor wind damage throughout the area. Five-car wreck at 5:15 pm near Plainview (injured five); one car destroyed by fire.
Overton, Bunk County	14	5:30 am	100	0	0	5	2		Wind
									Winds 60 to 80 mph from southwest to northeast unroofed one warehouse, moved feed store off foundation, downed 100 to 200 TV antennas, several trees, unroofed several homes. Heavy downpour came just before the winds.
Brownsville, Cameron County	14	4:25 pm							Waterspouts
									25 miles south of Brownsville, pilot reported four waterspouts visible.
18 W Wichita Falls, Wichita County	14	early night			3				Wind
									High winds capsized boat on Lake Diversion, 3 men missing.
San Angelo, Tom Green County	20	morn			1	3	4	1	Glaze ice
									Fogged windshields and icy bridges accounted for more than six traffic accidents in San Angelo Friday morning. Woman killed, man seriously injured when car went out of control on icy bridge.
Sweetwater, Nolan County	20				1	3	1		Glaze ice
									About a dozen traffic accidents occurred in Sweetwater area as result of ice on streets and bad weather conditions. Man slightly hurt when car rolled over.
UTAH	9	Evening			3	0	5	0	Snow
Bountiful, Davis County									Three persons were killed when their car skidded on an icy highway into path of oncoming truck.
VERMONT	3								Wind, glaze
Chittenden and Franklin Counties									Wind tore roofs from a barn and a garage at Franklin. Freezing rain glazed roads in some areas.
Most of state	4	A.M.							Glaze
									Freezing rain made travel on roads nearly impossible and caused many minor accidents. Southern portion was most affected. Many schools closed.
Entire state	10								Glaze, snow
									Snowstorm of the 9-10th contained a period of freezing rain on the 10th. Traffic was delayed by poor road conditions but no major damages were noted.
Franklin County	12-18	P.M. - A.M.							Wind
									Wind up to 60 m.p.h. caused a blizzard condition with blowing and drifting snow described as one of the worst in years. Roads blocked by drifts. Schools closed. Many families were marooned, and the flow of milk from the farm to market was interrupted.
Southern portion	14-15								Ice (sleet and/or glaze)
									No serious damage reported. Highway travel closed.
Southern and central portions	25-26				6	3			Snow
									Snow caused hazardous road conditions. Injuries due to auto accidents attributed to storm. Numerous minor accidents and traffic delays.
WASHINGTON	16								Snow and Wind
Eastern Washington									Highways were blocked by drifting snow and schools were closed for one or two days in various localities in the Northern and Central Counties of Eastern Washington. Power and communication lines damaged in some localities.
WISCONSIN	10	7:00 a.							Snowstorm with some glazing
S & E Wisconsin									Losses of life due to highway accidents. Heaviest snowfall at La Crosse since November 17-18, 1957.
La Crosse and Vernon Counties to Lake Winnebago and of lesser intensity in adjacent areas	22-23	10:00 p., 22nd - 6:00 a., 23rd			4	3	4		Snowstorm with some glazing

- * Miles instead of yards.
- ** Yards instead of miles.
- * 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.

States and territories not listed in these tables reported no storms or unusual weather phenomena during the month.

Note: This publication replaces that portion of the "Climatological Data National Summary" contained in the table "Storm Data and Unusual Weather Phenomena". It 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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