

U. S. DEPARTMENT OF COMMERCE

Luther H. Hodges, Secretary

WEATHER BUREAU

F. W. Reichelderfer, Chief

# STORM DATA

JANUARY 1963

Volume 5 No. 1



ASHEVILLE: 1963

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	
<b>ALABAMA</b>									
Mt. Cheaha, Cleburne County	19	9:00 a.m.				6			Lightning
									and 6 persons were burned and knocked unconscious.
Grove Hill, Clarke County	19	Afternoon	3	Narrow	0	0	3	0	Tornado
									Touched ground occasionally twisting trees off, destroyed one house and damaged a second house and barn.
Loxley, Baldwin County	20	1:15 p.m.	10	1/2 mile	0	0	5	4	Wind
									Wind struck northwest of Loxley where numerous hot houses and one greenhouse with contents were severely damaged. Scattered damage to houses, outbuildings and trees occurred along the path which ended northeast of Loxley.
Enterprise, Coffee County	20	3:00 p.m.	15	Narrow	0	0	5		Tornado
									Tornado hit first about 13 miles west-southwest from Enterprise and moved east-northeast to the southwest portion of Enterprise. Tornado was not on ground continuously. Five tenant houses were destroyed, several other houses damaged or unroofed, and numerous barns and outbuildings destroyed or damaged.
Statewide	23-25				0	0	6	6	Cold Wave
									Severe freeze over all of the State with subzero temperatures over portion of North Alabama and less than 100° in the extreme south. Extensive damage to winter grazing, truck crops, fruit trees and to poultry interests. Some glazing in North Alabama. Extensive damage to highways.
ALASKA									None reported
ARIZONA									None reported
Most of State	13-15						4	6	Cold weather
									Cold, dry, Arctic air entered the State on the 11th but the coldest part of the air mass did not arrive until the morning of the 13th when a low of 37 degrees below zero was reported at Maverick in the White Mountains, breaking the previous all-time low record for Arizona. The lowest temperatures on the 13th were accompanied by continuous winds which meant there was little or no temperature inversion. As a result, most agricultural areas were uniformly cold and protective measures using wind machines and aircraft were generally ineffective. According to the Federal Crop and Livestock Reporting Service, the Salt River Valley experienced considerable damage to citrus fruit with limited and scattered damage to trees. Primary damage was to Valencia oranges and grapefruit. Maximum damage occurred in the South Mountain area and to the south of the Valley in Chandler Heights. Some damage was also reported to vegetable crops and nursery stock. Crop damage in the Yuma area was relatively light. Private property damage was due largely to bursting water pipes and frozen automobile radiators and blocks. Utility damage consisted primarily of broken customer lines and frozen water meters.
ARKANSAS									None reported
CALIFORNIA									
Fullerton, 7 miles SW	9	12:29 p.							Funnel cloud
									Unconfirmed report of funnel cloud aloft.
Ontario, 2 miles S	9	3:25 p.							Funnel cloud
									Pilot reported funnel cloud 50 feet in diameter extending from surface to 180 feet.
San Diego, offshore	10								Funnel cloud
									Funnel cloud over water reported by Navy and FAA observers at San Diego.
Southern California	12-14				0	0	4	6	Cold and strong wind
									Freezing temperatures damaged citrus, avocado, and flower crops and froze water pipes. Wind overturned planes, upset house trailers, sank boats, broke windows, and downed trees and power lines.
Northern California	1/30-2/1				2	8	6	0	Heavy rain and strong wind
									Winds downed utility lines, damaged construction projects, unroofed buildings, blew down trees crushing homes and broke windows. Flooding closed highways and railroads, inundated homes and buildings, and drowned two persons.
<b>COLORADO</b>									
Entire State	10-15				2	many	4	0	Cold
									A severe cold wave with some light snow affected most of the state over a period of 4 or 5 days. Record cold temperatures occurred at a number of points. Two deaths were attributed directly to the extreme cold; on the 13th, a man was frozen to death in his car, near Two Buttes, when he ran off a country road; on the 12th, an 18 year old youth died of exposure from severe cold in Denver. Three children who died in a car in Mesa County from asphyxiation, are not included as weather caused deaths, since the severe cold
<b>COLORADO (Cont'd)</b>									
Entire State (Cont'd)									was not the direct cause of death. There were many losses and damages to property from frozen water systems, stalled cars and over-burdened heating systems. Problems from the cold were intensified by continuing much below normal temperatures in most areas until near the end of the month.
Eastern Colorado	Jan 31st. & Feb. 1st.				0	few	6	0	Wind
									Strong gusty wind most of Jan. 31st. continuing to Feb. 1st., caused extensive damage to property in a narrow band near the eastern foothills of the mountains from the northern border to near the southern border. Among the hardest hit areas were Boulder, where buildings under construction were blown down, porches and roofs blown off buildings and power lines damaged, and the Airforce Academy, where wind estimated at 70 to 100MPH did over \$200,000 damage to buildings. The Martin Company southwest of Denver, recorded a 101MPH gust. Stapleton Airfield recorded gusts up to 80MPH, Colorado Springs Airport gusts to 58MPH and Pueblo Airport gusts to 58MPH. At Walsenburg, a screen was torn off the framework of a drive-in movie. Damage to property along the entire area, varying widely in severity over short distances. A large number of power and telephone lines were put out of service and many signs, antennas and road markers were blown down.
CONNECTICUT									None reported
DELAWARE									None reported
FLORIDA									None reported
GEORGIA									
Upson County Near Thomaston	11	6:30 p.	5	Narrow	0	0	4	0	Tornado
									Destroyed or heavily damaged several farm houses and uprooted numerous trees along a 5 mile path. Storm moved east-northeast.
Erantley County Brantown Section	13	6:00 a.	1/2	400	0	0	4	0	Tornado
									Farm home heavily damaged and automobile, truck and tractor demolished by falling trees. Heavy damage to lumber. Pick-up truck lifted and carried 10 feet. Storm moved eastward.
Ellaville to Montezuma, Schley and Macon Counties	20	4:50 p.	15	400	0	1	5	0	Tornado
									Storm first appeared in Ellaville area and then moved east-northeastward to near Montezuma, skipping some areas and hitting others. Heaviest damage was at Ellaville where a hotel was heavily damaged, the roof blown from a school and several houses demolished. A 10-year old boy suffered minor injuries. A church was destroyed and several homes damaged in Macon County. Moved east-northeast.
Clay County to Crisp County	20	5:00 p.	?	4-600	1	4	6	0	Tornado
									Storm entered State near Fort Gaines in Clay County and followed a hit-skip path to near Warwick in west Crisp County. Major damage was in Clay, Terrell and Lee Counties. Several farm homes were heavily damaged in Clay County and three valuable horses were killed when a barn collapsed on them. About 20 buildings, including three large farm warehouses were destroyed south of Dawson in Terrell County. Highways and railroads were blocked and several houses heavily damaged as the storm passed about two miles north of Leesburg. Utility lines were down throughout the area and an Edison College student was killed when he accidentally stepped on a live wire he was warning other people about. Four children were trapped in their collapsed home but suffered only minor injuries. Storm moved east-northeast.
Twiggs County	20	5:00 p.	?	?	0	2	4	0	Tornado
									Heavy damage to several homes and other buildings between Jeffersonville and Danville. Two persons slightly injured when a cafe was demolished. Trees uprooted and utility lines down. At least 25 families affected by storm.
Houston County	20	5:30 p.	?	?	0	1	4	0	Tornado
									One person slightly injured when a trailer home was overturned three miles north of Perry. One farm home was unroofed and several barns and other buildings were blown away at Kathleen. A Highway Patrolman in the area reported his automobile was carried about 40 feet and dropped in a ditch.
Wilcox County	20	5:30 p.	8	?	0	0	5	0	Tornado
									Scattered damage to houses, utility lines and trees along a West to East path from Seville to Rochelle.
Hazlehurst, Jeff Davis County	20	7:00 p.	?	?	0	0	5	0	Tornado
									Heavy damage to two tobacco warehouses and other business and residential buildings in Hazlehurst.
Uvalda, Montgomery County	20	7:00 p.	?	?	0	0	4	0	Tornado
									At least six homes and a tobacco warehouse destroyed or heavily damaged.

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1963

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					KILLED	INJURED	PROPERTY	CROPS	
GEORGIA (Cont'd) Southern Counties	20	4-7 p.			0	0	4		Wind and Rain
									Heavy rains and strong winds, some of which may have had tornado characteristics, caused scattered damage in at least 10 south Georgia Counties, in addition to those listed above. Among them were Early, Calhoun, Randolph, Booley, Ben Hill, Dodge, Laurens, Toombs, Candler and Jefferson.
Stateride	23-25						4	4	Cold wave
									A record breaking cold wave held sway over Georgia from the 23rd-25th, highlighting a month of persistently cold weather. Many stations in the north and western parts of the State recorded their lowest temperature of the 20th Century and the lowest ever in January. Damaged were water pipes, automotive equipment, shrubbery, small grains and fruit buds and trees.
Northern Counties	29-30						4		Ice storm
									Freezing rain and drizzle caused light icing over most of the northern third of State, resulting in a rash of automobile accidents. A number of minor injuries resulted from falls on icy walks. Schools were closed in several counties. Damage was relatively light. Ice lasted only a few hours under rising temperatures.
HAWAII Entire State	15-17				0	3	5	6	Wind, rain
									Strong winds and rain associated with a cold frontal system caused extensive damage to crops, roads, boats, buildings, power lines and communication facilities. Damage from the storm, mostly the result of strong winds, was greatest over Maui, the Island of Hawaii, and Oahu, east of the Koolau Range. On Oahu, where wind gusts were estimated over 70 mph, about one-half of the banana crop was destroyed. On the Island of Hawaii, losses to orchid and papaya crops were about \$200,000. Estimated damage, by Islands, is as follows: Island of Hawaii, \$465,000; Maui, \$75,000; Oahu \$200,000; and elsewhere in the State, less than \$50,000.
Central Islands	30-31				0	6	5	5	Wind
									A severe wind storm, one of the worst on record in Hawaii, caused widespread damage to the central islands of the State from Oahu to Maui. Numerous buildings were unroofed, trees and shrubbery uprooted, beaches severely eroded, crops damaged, power and communication lines downed, and miscellaneous property damaged. At St. Ann School in Kaneohe, a building roof was blown off, injuring 4 children. Wind gusts to 84 mph were recorded at the Kaneohe Marine Corps Air Station on the 31st. Total damage was estimated at \$800,000 on Oahu and \$26,400 on Maui.
									There was only minor damage reported on Kauai from this storm. On the Island of Hawaii, most of the damage occurred on February 1-2 and will be reported in the February issue of "Storm Data".
IDAHO Most of state	all month						20		Snow & Ice
									Relatively light snowfalls at intervals through the month resulted in icy streets and highways in most sections, causing an unusually large number of automobile collisions with reported injuries requiring medical attention for 20 persons. Periods of particularly hazardous road conditions were 8-4, 17-24 and 29-31. During the last period snowfall was rather heavy, totaling 6 to 12 inches in valley areas.
ILLINOIS									None reported
INDIANA Evansville	10	8:12 p.			0	0	3	0	Hail
									Hailstones of 1 1/4 to 2 1/2 inches damaged cars and the windows of a greenhouse in northwestern Evansville.
Scottsburg	11	12:35 a.	5	150	0	0	4	0	Tornado
									The tornado travelled northeastward and crossed Indiana road 65 three miles north of Scottsburg. Several houses, barns and trees were damaged or destroyed.
IOWA									None reported
KANSAS									None reported
KENTUCKY Northwestern Ky.	10	Evening			0	0	4	0	Wind and Hailstorm
									Thunderstorms moving eastward through the area were accompanied by strong gusty winds and hail of "considerable" size. All damage resulted from high winds with the greatest damage being near the Told community in Crittendon County where one house was partially unroofed and one barn was demolished, killing six hogs and six market-size calves. Other reports of minor damage were received.
Entire State	23 & 24				?	?	5	6	Near Blizzard and extreme cold
									Heavy snow with high winds on the 23rd caused hazardous highways and closing of practically all schools. Nearly all of the damage, however, was due to the severe cold which followed on the 24th. This was the coldest ever recorded at a number of stations and
KENTUCKY (Cont'd) Entire State (Cont'd)									caused failure of a large amount of plumbing and heating installations over the state. The 1963 peach crop was estimated to be almost a total loss due to the extreme cold. An unknown number of deaths and injuries were incurred from weather associated incidents such as over-exertion, exposure, slipping on ice pavements or auto accidents.
LOUISIANA Bienville, Bossier, Caddo, Claiborne and Webster Parishes	9-11	Several days			0	0	0	0	Wind
									District Forester reported winds spread 25 brush forest fires.
Slaughter	11	11:00 a.-11:05 a.	7	50	0	0	?	0	Wind, Lightning
									Dark cloud W and SW; no funnel but roaring heard. Moved from SW to NE; damage from few hundred yards W of Blank Road to Old Liberty Road at Riley. Roof blown off barn; tree fell on house; door blown out. Lightning killed cow.
Washington Parish	11	11:45 a.-3:00 p.	15	?	0	3	4	0	Small tornado
									Funnel seen Wesley Ray area (Angie); heavy rain, no lightning. Eight homes damaged Pine-Thomas area to Route 21 (Angie-state line area), 1 NW Wesley Ray High School. Three women hospitalized, from Pine, north of Pine, and Wesley Ray community.
State	12-29	Several periods			3	?	?	?	Ice storms, unusually cold
									Most sections reported one or more periods with rain, freezing rain, sleet and/or snow, resulting in icy streets and walks; number of people fell, slipped or tumbled, some hospitalized. These conditions, with below freezing temperatures, resulted in traffic accidents, deaths, and injuries; damaged some streets; retarded construction work, and closed some schools. A number of water pipes were frozen. (See also January 23).
Livingston Parish	19				0	0	?	0	Wind
									Spotted damages Florida Avenue and along Highway 190, Denham Springs. Winds broke windows; damaged roofs; blew tree tops down; knocked pedestrian down. Falling limbs damaged car and hit people. Winds sounded like freight train.
Pointe Coupee Parish False River	20	a.m.			0	1			Lightning
									Two men knocked down by lightning; one injured.
Gulf of Mexico	20	6:00 p.							Waterspout
									Waterspout observed 28.3° N Latitude, 88.5° W Longitude
State	23				3	0	5	?	Unusually cold, Wind
									Temperature some localities dropped as much as 20 degrees per hour, to minimums of 23° F or colder throughout state. Jonesboro frozen water hydrant prevented firemen from extinguishing fire, home burned, occupant killed. High winds overturned boat on Bayou Gauche, two men drowned. Waves 15 feet high reported off Louisiana coast. In southern part of state, number of persons left tap water running to prevent pipes freezing. Water consumption increased 4 to 8 times or more above normal. A number of localities reported water pressure dangerously low, creating fire hazard. Home plumber estimated one out of every four homes had pipe damage, but most repaired within five days. Lake Pontchartrain Bridge on U.S. 12 closed due to spray from lake freezing on bridge. Schools closed some parishes as hard freeze interrupted water supplies and made school bus trips hazardous.
Gulf of Mexico	24	6:00 a.-12:00 n.							Waterspouts
									Many waterspouts observed, 27.5° N Latitude, 90.7° W Longitude enroute 28.4° N Latitude, 92.9° W Longitude.
MAINE Statewide	11-13				0	0	3	0	Snow, Icing
									Precipitation in the form of snow, sleet, freezing rain and rain, occurring separately or mixed, slicked walks, streets and highways to an unusually hazardous condition. Slippery conditions were reported throughout the state and there were many highway skidding accidents as well as pedestrians injured in falls.
Statewide	27				0	0	5	0	Snow, Icing, Tidal
									Storm yielded from 6 to 16 inches of snow across the state with the heavier falls over central parts. Southeastern and coastal Maine also got splashed with sleet, freezing rain and rain, and sizeable sections became bogged down in a sea of slush. Heaviest damage occurred along the coastal section of Washington County from "freak" high tides. Machiasport sustained more than \$20,000 damage, while a canning factory at Prospect Harbor was damaged to the extent of more than \$50,000. Roads throughout the state were covered by snow, slush or ice and were unusually hazardous. Numerous highway skidding accidents occurred including one in which a woman was fatally injured.
MARYLAND Centreville, Queen Annes County	12	5:20AM			0	0	5	0	Lightning
									Lightning struck the county office building starting a fire which destroyed the upper part of the building before being controlled. Voter registration books and vital records were saved although wet.

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	
MASSACHUSETTS Statewide	11-13				0	0	4	0	Snow, Icing
					Snow, sleet, freezing rain or rain occurring frequently during this period, separately or mixed, produced the most dangerous travel conditions of the winter. Two persons died as a result of falls while walking and a third was killed in a traffic accident. Many highway accidents occurred and hospitals reported an unusually large number of persons treated for falls. Scattered power failures were reported across the state.				
Statewide	18				0	0	3	0	Icing
					Light precipitation was mostly in the form of freezing rain. Travel conditions became hazardous over most of the state and extremely so in the northeast. Three persons were killed in separate accidents among hundreds of highway skidding accidents reported. Many more were injured. Power failures were experienced in some communities. Schools in many northeastern communities were closed as traffic was reduced to a crawl despite efforts of sanding crews.				
Western sections	23-24				0	0	3	0	Snow, Icing
					A combination of heavy snow and numbing below zero temperatures created extremely dangerous conditions for driving and walking. Fast falling temperatures turned city streets and highways into sheets of ice causing skidding accidents and injuries to pedestrians in falls. Scattered power failures were reported.				
Statewide	27				0	0	4	0	Snow, Wind, Icing
					Gale force winds swept a wild snowstorm across the state piling up 5 to 10 inches of snow over central and eastern parts and 10 to 15 inches in the west before the snow changed to sleet and freezing rain. Travel conditions became extremely hazardous and traffic was slowed to a crawl. Numerous highway skidding accidents occurred and a Somerset man was struck and killed by a car. Two other fatalities resulted from overexertion from shoveling snow. High winds drifted the snow across newly plowed roads plaguing road crews and motorists. Power lines and telephone wires were downed, disrupting service in many areas. Abnormally high tides caused minor flooding conditions along the Bass and Danvers Rivers near Beverly. Schools in western counties remained closed on the 28th as hazardous travel conditions still existed.				
North Adams	28	A.M.			0	0	3	0	Wind
					Wind lifted roof from an 18 by 20-foot barn structure. Roof was found smashed and scattered on the ground.				
MICHIGAN					None reported				
MINNESOTA					None reported				
MISSISSIPPI Jackson	10				0	1			Wind
					Woman blown off feet; taken to hospital.				
Perry County, Forrest County	11	1:00 p.- 2:00 p.			0	0	?	?	Wind
					3 E Beaumont: High winds uprooted several trees, twisted off others; uprooted bushes; ripped roofs 2 homes; dismantled 1 barn and top of another; damaged houseboat. Hazlettsburg: Winds to 55 m.p.h. downed power and telephone lines; accompanying torrential shower flooded some streets.				
State	12-29	Several periods			6	?	?	?	Ice storms, unusually cold
					Most sections reported 1 or more periods with rain, freezing rain, sleet and/or snow, resulting in hazardous icy highways and backroads, and causing traffic accidents, deaths, and some schools to close. Winter crop set back by cold weather. State minimums were 10 °F. or lower on 24th; 7 °F. at Hazlettsburg was the lowest January minimum in 73 years. A few people and cattle died of exposure; some frozen extremities reported; fires started while thawing pipes; lakes frozen and ice moving down rivers. Heaviest ice floes since 1940 in Mississippi River 5 S Greenville.				
MISSOURI Cape Girardeau Cape Girardeau C.	10	10:00 pm					3		Thunderstorm
					A brief thunderstorm accompanied by heavy hail which covered the ground in part of the city. Most hail was 1/4 inch in diameter but a small area received golf ball size hail. Photographs were made of a few hail stones 1 1/2 inches in diameter. One greenhouse was extensively damaged. Other reports of roof damage and broken window panes.				
MONTANA					None reported				
NEBRASKA Western and Central	10				0	0	4		Blizzard
					Blizzard conditions including temperatures of -40° killed cattle, stranded travelers, closed schools, and damaged utility lines. Losses were increased because of large contrast--temperatures were in the 50s and 60s on the previous day				
NEVADA					No report received by printing deadline.				
NEW HAMPSHIRE Statewide	11-13				0	0	4	0	Snow, Icing
					Snow, sleet, freezing rain and rain occurred frequently during this period. Temperatures alternated from freezing to thawing and surface conditions were extremely hazardous for driving and walking. One death resulted from a traffic accident while many pedestrians were injured in falls on slippery surfaces.				
Coastal	18				0	0	3	0	Icing
					Light snow and sleet with hard freezing temperatures covered walks and streets with a glaze coating. Travel conditions became extremely hazardous. A man was killed at Greenland when his car smashed into a pole.				
Statewide	27				0	0	4	0	Snow, Tidal
					Storm yielded 5 to 15 inches of snow across the state. Strong winds attending and following the snowfall raked wide areas of the state and left drifts measuring several feet high. Travel conditions became extremely hazardous and traffic was slowed to a crawl. Many highway skidding accidents were reported. Power outages were experienced in some communities. Abnormally high tides washed the coast and inflicted minor damage.				
NEW JERSEY					None reported				
NEW MEXICO Colfax County	31	Morning					4		Wind
					High winds through the morning, with gusts estimated to between 80 and 100 miles per hour from 5:00 a.m. to 7:00 a.m. at Cimarron, overturned three house trailers (one 10 ft. by 50 ft.), ripped off roofs, shattered windows, flattened television antennas, uprooted trees, downed power lines, and leveled signs. About 100 buildings were damaged. Visibility at French was near zero in blowing dust at 10:30 a.m. Baton Weather Bureau Airport Station recorded wind gusts to 61 miles per hour.				
NEW YORK Central and south-eastern counties	11-12						5		Freezing rain, snow
					Freezing rain and snow produced an unusually heavy layer of ice on most surfaces resulting in an extensive period of unusually hazardous conditions underfoot and on highways. Numerous accidents occurred throughout the area with considerable disruption or delay in movement of transportation means.				
Areas at northeast end of Lake Ontario and counties east of Lake Ontario	13-15						5		Snow squalls, strong winds
					The Buffalo area and Niagara and Erie counties and the counties east of Lake Ontario, including St. Lawrence, Jefferson, Lewis and Oswego, experienced severe winter weather with near blizzard conditions at times over shifting areas due to severe lake effect snow squalls. Temperatures were very cold with strong winds, blowing and drifting snow and in some areas new snow up to two feet during the period. Movement of traffic was nearly impossible at times and travel was interrupted for many hours with widespread closure of schools and curtailment of many other normal pursuits.				
East of Lakes Erie and Ontario	20-21						5		Snow squalls, strong winds
					Another period of severe lake effect shifting snow squalls with near blizzard conditions at times and up to a foot or more of new snow over limited squall belts. The Buffalo area and Thruway east of Lake Erie severely affected. Schools closed and traffic blocked east of Lake Ontario.				
Statewide	23-24						6		Heavy snow, strong winds, bitter cold
					Unusually heavy snowstorm, strong winds and bitter cold. New snow depths ranged up to 1 1/2 ft. with near paralysis of traffic at times.				
Statewide	26-28						6		Heavy snow, bitter cold, strong winds
					Severe snowstorm, second one in the three or four day period, with bitter cold weather, high winds and much blowing and drifting of snow. Watertown had another 10 inches on top of 56 inches. Amounts ranged up to one and two feet in many of the usually heavy areas and even heavier in the mountains. Amounts of one foot or more were reported in the southeastern counties, Southern Tier, central and southwestern counties. In sections near the Great Lakes winds reached 50 mph with severe drifting. Transportation facilities were at a near standstill for many hours and there was widespread closure of schools.				
					Note: Many deaths were reported in the news media as a consequence of the severe weather during the month, mainly through exposure or overexertion.				

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<b>NORTH CAROLINA</b>									
Haywood County	11	a.m.			0	0	3	0	Wind
									Porches tipped off home in Waynesville.
Forsyth, Wayne Counties	19-20	night					3	0	Electrical
									Two separate cases of lightning damage, unusual at this season, especially with moderately cold weather.
Onslow County	20	10:25 p.					4	0	Tornado.
									Small tornado destroyed outbuildings, damaged farm machinery. Sound described as similar to that of an explosion.
Buncombe, Carteret, Dare, Forsyth, Vance Counties	24				5	0	5	0	Wind, Cold
									Two persons died from exposure inland and three others were lost from a disabled fishing vessel during some of the coldest weather in recent years. In addition to the shipwreck, winds damaged a number of coastal installations, and did scattered structural damage inland as far west as the Mountains.
Fiedmont and Mountains	26				4	50	5	0	Glaze
									Icy streets and highways caused numerous accidents, in which at least four persons were killed and many hospitalized.
Duplin County	29				2	0	0	0	Cold
									Two persons died of exposure during severely cold weather.
Western North Carolina	30				0	10	4	0	Glaze
									Ice on streets and highways caused a number of accidents, with several persons injured and vehicles damaged.
<b>NORTH DAKOTA</b>									
None reported									
<b>OHIO</b>									
None reported									
<b>OKLAHOMA</b>									
Entire State	10-14				2	0	5	0	Cold wave
									Most severe cold wave since January 4, 1959, worked across the State during afternoon of 10th. Subzero minima were limited to the northwestern three-fourths of State on 12th, and ranged from minus 17 degrees at Boise City to 4 degrees above zero at several southern stations. High winds of up to 35 MPH with gusts to 50 MPH were accompanied by some freezing drizzle which later changed to light scattered snow. Power outages occurred in the Oklahoma City area when ice coatings and high winds caused breakage of about a dozen major lines. Two persons froze from exposure; one man at Muskogee on the 12th when he fell asleep in a vacant house, and another man at El Reno on the 13th from injuries received in slipping on icy steps. Numerous frozen water pipes caused extensive water damage to private and commercial property over northern half of State. Fire caused \$250,000 damage to Phi Lambda Phi Fraternity House on University of Oklahoma Campus at Norman when freezing water pipes burst and flooded the electrical room. Many homes and buildings were destroyed by fire and several lives were lost from overheated stoves. A few deaths also resulted from asphyxiation when gas heaters apparently burned all of the oxygen from tightly closed rooms.
Statewide	18-24				0	0	5	0	Cold waves
									Renewed cold waves on the 18th and 22nd continued cold weather of January. Coldest morning in the Panhandle was on the 19th with lowest of minus 8 degrees at Kenton and Boise City, while elsewhere the mornings of the 23rd and 24th were coldest and ranged from minus 6 degrees at Jay and Miami in the northeast counties to 5 degrees above zero at Ardmore in the south. Lows of zero or below occurred mostly over the northern half of the State with up to four such days occurring in the northern counties and Panhandle. The problem of freezing water pipes was intensified during this period in most communities of northern half of State and caused considerable property damage. Sleet and snow on the 19th iced all roads in McCurtain, Choctaw, Pushmataha, Latimer, and LeFlore Counties, with travel hazardous and reduced to a minimum. Coldwave of 22nd was accompanied by winds of 35 to 45 MPH and blowing bust. Precipitation on the 22nd fell mostly as traces of snow with up to one inch cover in the northeast.
Southeastern Counties	25, 26	Afternoon and morning			0	0	0	0	Glaze
									Freezing drizzle fell over Marshall and Bryan Counties as well as counties of the southeast division. Glazed highways were most hazardous in Choctaw and McCurtain Counties.
<b>OREGON</b>									
Most of northern half of State	30-31	PM of 30 AM of 31			1	Many	4	2	Ice, Wind
									Fairly substantial snow followed immediately by moderate to severe icing conditions produced very hazardous highway conditions. Freezing rain began in afternoon of 30th and continued through most of night. Many auto accidents resulted with one fatality. Several persons injured by auto accidents and falls on ice. Large number of power and telephone lines brought down by ice accumulating on them or by tree limbs which broke due to weight of ice and fell across lines. Strong winds on 31st added to power and telephone difficulties and caused considerable minor damage to buildings. Major portion of damage due to ice. Hazardous traffic conditions forced school closures of 2-3 days practically all schools northwest Oregon, large number north central Oregon and quite a number in other areas of State.
<b>PACIFIC AREA</b>									
None reported									
<b>PENNSYLVANIA</b>									
None reported									
<b>PUERTO RICO</b>									
None reported									
<b>RHODE ISLAND</b>									
None reported									
<b>SOUTH CAROLINA</b>									
Barnwell, Bamberg, Orangeburg and Florence Counties	20	7:00 p-8:30 p			0	0	5	0	Windstorm
									There was a line of thunder squalls moving southeastward across the state at 20 knots. Significant wind damage was observed at Hilda, Barnwell County; Denmark, Bamberg County; Orangeburg, Orangeburg County and Olanta, Florence County.
Lancaster and Kershaw Counties	26	Morning			1	3	0	0	Freezing rain and ice
									Icy roads were responsible for a number of automobile accidents.
<b>SOUTH DAKOTA</b>									
None reported									
<b>TENNESSEE</b>									
Near Nashville, Davidson County	10	9:00-11:35 p.			0	0	0	0	Hail
									3/4 inch hail reported 4 and 10 miles north of Nashville during heavy thunderstorms. Ground covered by hail in one area.
Spring Hill, Maury County	10	11:55 p.	4	800	0	4	6	0	Tornado
									Tornado moved northeastward across residential and business sections of Spring Hill as a squall line passed moving in the same direction. Funnel cloud reported seen and sound reported "like a freight train." Four persons received major injuries. 100 families were affected as 48 homes, 27 farm buildings, 16 other buildings including schools, churches, house trailers, and business structures were damaged or completely destroyed. Greatest damage in an area less than a mile long and a block wide in Spring Hill, but 2 farms reported damage at Kiburne and 1 farther southwest. Over 20 families to the northeast in Williamson County received damage to homes and farm buildings. About 20 head of livestock killed. Other damage was to utility poles, lights, signs, fences, and trees.
Morgan County	11	Early Morning			0	1	4	0	Wind
									Strong winds, followed by heavy rain, moved eastward across the central part of the county. A woman was cut by glass at Shady Grove Community west of Lansing when her home was damaged. Other damage was to homes, farm buildings, garages, trailer homes, an automobile, and timber.
Statewide	23-26				0	?	*6	C	Cold wave, snow, and ice
									An extremely cold air mass moved across the state bringing record low temperatures for January to many areas and all time record lows to some localities. Minima on the 24th ranged from 0 at Memphis to -30 degrees at Kingston Springs, Chestnut County. Nashville set an all time record low of -15 degrees. Snowfall varied from a trace to 8 inches or more and snow and ice made all travel very difficult and hazardous. Chief freeze damage was to water lines and pipes, roads, and winter kill of small grains, pastures, fruit, and strawberries. Many schools were closed, business and social activities cancelled, and industrial and construction operations shut down. Several deaths were indirectly related to weather and road conditions.

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS									
El Paso El Paso County	10	afternoon	?	?	0	2	4	0	Wind
	Three luxury apartment buildings in the Summit Place area of northeast El Paso were extensively damaged, and two persons suffered minor injuries caused by flying debris during high winds that gusted to 55 mph. Roofs were blown from two structures, part of the Bradmoor Apartment complex at 2830 and 2816 Harrison Avenue. Wood, roofing material and other debris were blown more than 200 feet across the street causing major damage to the Hacienda Gardens apartments at 2801 Harrison Avenue. Six cars parked on Harrison Avenue were damaged by the debris. Eye witnesses said the roof at 2830 Harrison Avenue "lifted straight up, remained stationary a few seconds, then separated in big chunks and smashed into parked cars and an apartment house across the street." Some debris was blown as far as two blocks north of the scene.								
UTAH									
VERMONT Statewide	11-13				0	0	4	0	Snow, Glaze
	Frequent precipitation during this period was in the form of snow, sleet, freezing rain or rain, occurring separately or mixed. Three to 10 inches of wet and heavy snow that accumulated during this period piled on limbs of trees and caused power failures. Temperatures fluctuated from freezing to thawing to produce extremely hazardous travel conditions much of the time. Numerous highway traffic accidents were reported while many pedestrians were injured in falls on slippery surfaces.								
Statewide	23-24				0	0	4	0	Snow
	Storm yielded 6 to 18 inches over the state except less in extreme northwest and extreme southeast. Most highways were kept open during the storm despite drifting caused by high winds but highway surfaces were snowpacked and slippery in some areas. Numerous highway accidents and some power failures were reported.								
Statewide	27				0	0	4	0	Snow
	Storm yielded 8 to 16 inches over eastern and central sections of the state and 5 to 10 inches in western parts. Strong winds attending and following the storm left drifts that measured several feet high. Travel conditions became extremely hazardous and many highway skidding accidents occurred. Power failures were reported in some communities. Schools were closed in Enosburg Falls and other Franklin County communities.								
U. S. VIRGIN IS.									None reported
VIRGINIA									None reported
WASHINGTON									None reported
WEST VIRGINIA									None reported
WISCONSIN									None reported
WYOMING Central Wyoming	31	Night			0	0	5		Windstorm
	The windstorm began early in the night developing to 70 to 80 miles per hour with gusts to an estimated 100. The windstorm continued through the night, diminishing early the morning of February 1. Damage was to cars, trailers, house trailers, houses, a partially built hotel, signs, power and telephone lines, and other miscellaneous structures. The area covered was central Wyoming including Casper, Lander and Rawlins.								

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

- ° Includes crop damage.
- C Crop damage.
- + Storm damages are placed in categories varying from 1 to 9 as follows:
  - 1 Less than \$50
  - 2 \$50 to \$500
  - 3 \$500 to \$5,000
  - 4 \$5,000 to \$50,000
  - 5 \$50,000 to \$500,000
  - 6 \$500,000 to \$5,000,000
  - 7 \$5,000,000 to \$50,000,000
  - 8 \$50,000,000 to \$500,000,000
  - 9 \$500,000,000 to \$5,000,000,000.

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

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