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1973

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1973

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		
ALABAMA			SEE	END OF	TABLE					
ALASKA										
KODIAK	29-30	continuous				0	2	3	0	WIND
						High winds swept two men off their fishing vessel in the harbor. They were quickly rescued and not seriously hurt. New siding was blown off a hangar, and there were reports of minor roof damage and cars being dented due to flying debris. Unofficial reports of wind gusts of from 100 to 140 mph were received from a nearby ship and a hangar wind recorder. Officially, northwesterly winds up to 55 mph with peak gusts to 63 mph were observed.				
KOTZEBUE	1-4	7 intermittent				0	0	2	0	WIND
						Strong east to southeasterly winds of 40-45 mph with peak gusts to 56 mph heralded in the New Year like a lion. By the 4th, the city was demobilized due to excessively heavy drifting of snow. Telephone lines and the main TV cable were temporarily down, and numerous TV feeder cables were severed for almost a week.				
						On the 7th, similar winds again battered the city, but with no added damage.				
						NOTE: A late report told of 3 boys caught in the previous month's Dec 11th storm while traveling from Noatak to Kotzebue. One boy succumbed, the other had both his feet amputated, and the third survived with little aftereffect. Exposure to the elements after the snow machine broke down was the cause.				
ARIZONA			NONE	REPORTED						
ARKANSAS										
Ashley and Chicot Counties	7	1:00 a. to 5:00 p.				0	0	4	5	Glaze Ice
						Freezing rain deposited glaze ice sufficient to break telephone and power poles and lines. Timber was badly broken and whole trees fell from the weight of the ice.				
Harrison, Boone County	18	8:50 a.	?	?		0	0	2		Tornado
						Public reported tornado touched down 7 miles south of Harrison. A few trees blown down and some buildings slightly damaged. Movement was south to north but apparently touched down in only one spot.				
Russellville, Pope County	18	9:05 a.								Funnel Cloud
						Public reported funnel cloud 5 miles west of Russellville moving northeast at 35 miles per hour.				
CALIFORNIA										
Southern California South Coast Basin	1								6	
						Extreme Santa Ana winds reached 60 mph in many areas and gusted to 80mph on Mount Wilson. Very heavy blowing dust reduced visibility and hampered fire control operations in many areas.				
WNW National City (4-5 miles) San Diego County	4	1050P								Funnel Cloud
WNE Gillespie Field (4-5 miles) San Diego County	4	1407P								Funnel Cloud
Redlands, Ontario, Upland, Riverside San Bernardino County	5								6	
						Freeze with temperatures as low as 24 F in Upland and extended low temperatures in Redlands, i.e. less than 28 F for 10 hours causing damage to citrus crops.				
Northern California	8 thru 12								6	
						Heavy rains occurred over the Northern portion of the State causing local flooding, mud slides, power failure, and highway closures. The Russian River flooded at Curneyville forcing many families to evacuate their homes. In the Bay Area counties of San Francisco, Marin and Napa, twenty four hour rainfall amounts of 3 inches or more on the 9th and 11th, caused mudslides which destroyed several homes. Highway 101 was closed on several occasions when stream flow peaked with exceptionally high tides. One person was injured when trapped in her home by a mud slide.				
California - entire state	16					1			7	
						Very heavy rains fell throughout the state with twenty four hour amounts approaching 3 inches in most areas of the western half of the state. Local flooding, power failure, mud and rock slides, and highway closures were prevalent statewide. One drowning occurred near San Luis Obispo when a student fell into a swollen stream.				
CALIFORNIA (continued)										
Central and Southern California Coastal Areas	18								6	
						This portion of the state was once again deluged with heavy rainfall amounts when most of the state is currently two to three times its seasonal rainfall to date. An additional 3 inches fell in many coastal areas in twenty four hours causing heavy runoff due in part to soils already at field capacity. Most serious flooding occurred in the coastal counties of San Luis Obispo, Santa Barbara, and Ventura.				
COLORADO										
Eastern Plains and Foothills	26-27	Continuous				0	0	0	0	Snow, wind
						Snow accompanied by high winds created severe blizzard condition over most of the plains area. Many major highways as well as hundreds of miles of county roads were closed for varying lengths of time up to 3 days, causing numerous homes to be isolated. Drifts up to 18 feet deep were reported in the Black Forest area. Eight to ten foot drifts were common elsewhere.				
CONNECTICUT										
Statewide	28-29	early am - noon				0	0	5	0	Snow, glaze, wind
						Beginning late on the 27th but with major effect on the 29th, a strong coastal low produced mainly rain along the coast but snow and some freezing rain in the interior. Precipitation amounts ranged from 1.1 to 2.6 inches with the largest amounts in the south. New snowfalls ranged from 1-2 inches along the coast and in extreme eastern sections to 5-17 inches elsewhere. Wind, glaze and snow combined to fell trees and down power lines. About 8500 customers were without power for various periods in New Haven, Orange, Chester, Deep River, Essex, Killingworth, Haddam, Mansfield, Coventry and Windham. Slippery roads were responsible for many traffic accidents. Most schools and some business establishments were closed on the 29th.				
DELAWARE										
FLORIDA			NONE	REPORTED						
25 N Pensacola	18	8:00p	1/4	10		0	0	1	0	Tornado
						Reported by public to have touched down near Molina. Minor damage to trees. Moving northeastward.				
3 W Pensacola	21	11:45a	1/4	10		0	0	2	0	Tornado
						An awning lifted from a mobile home and wrapped around the power line above.				
7 NW Pensacola	21	12:45p								Funnel aloft
						Reported by public.				
5 NE Pensacola	21	2:20p								Funnel aloft
						Reported by public moving northeast at 45 mph.				
1 SE Milton	21	2:40p								Funnel aloft
						Reported by sheriff's department.				
Panama City	21	5:40p				0	0	4	0	Lightning
						A fire started by lightning destroyed a warehouse valued at \$20,000.				
Lakeland	22	9:45a	1 1/2	20		0	0	4	0	Tornado
						A tornado touched down in the southwestern section of Lakeland. One double-wide mobile, which was anchored down, was completely destroyed and several others damaged. Several sheds also damaged. Damaged property estimated at \$20,000. Tornado moved from southwest to northeast.				
Lithia 20 SE Tampa	22	9:56a	1/4	30		0	8	4	0	Tornado
						A tornado ripped through the R. J. Trailer Park at Dorman and Bayette Roads destroying four trailers and injuring eight persons. Damage was estimated at \$40,000.				
DeFuniak Springs Walton County	22	4:30p				0	0	4	0	Wind
						One home destroyed and two damaged by winds which struck the Oakwood Hills Estate off Highway 90 West. Damage estimated at \$20,000.				
20 NW Palm Beach	23	3:24p								Funnel aloft
Venty Dade City Pasco County	28	11:35a	2	20		0	1	4	0	Tornado
						A tornado touched down 5 miles south of Dade City and moved north for two miles. It struck several homes with one man injured when a mobile home collapsed. Damage estimated near \$50,000.				
14 SSW Orlando	28	12:15p	13	100		0	7	6	0	Tornado

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FLORIDA (continued)										
Orlando	28	12:42p	4	300	0	16	6	0	Tornado	A tornado touched down between Intercession City and Campbell. It skipped northeastward passing just south of Kissimmee and hit the Idora Park area. Near 300 housing units were damaged or destroyed for a loss of \$750,000. Campbell and Idora Park were the hardest hit.
										A tornado ripped through southwest Orlando shattering homes and leaving hundreds homeless. Hardest hit was the Washington Shores area where the roof was ripped off a two-story complex and dozens of rooms crushed. Damage is estimated at three million dollars. Tornado moved northeastward.
Venty Titusville Brevard County	28	1:30p	5	50	0	0	4	0	Tornado	A tornado hit the Titusville-Cocoa Airport snapping off the 75 foot rotating beacon tower and damaging the roof of the passenger terminal. It then traveled east hitting the NASA Causeway wrecking some traffic signals and other signs. Total damage about \$30,000. Wind gusts to 50 MPH were reported at the Kennedy Space Center.
20 WSW Pensacola	04	10:50a							Waterspout	
11 SSW Pensacola	04	11:00a							Waterspout	
3 NW Pensacola Escambia Co.	06	10:10a	1/4	10	0	0	2	0	Tornado	A tornado swept away several storage sheds in a rural area of Escambia County. Damage was minor. No injuries were reported.
WSW Key West NAS	06	2:25p							Funnel aloft	
6 E Palm Beach	07	1:43p							Funnel aloft (2)	Two funnels aloft were sighted.
13 SE Palm Beach	08	11:00a							Waterspout	
12 WSW Herndon AP	10	2:45p							Funnel aloft	
Palatka 33 S Jacksonville Naval Air Station	15	10:55p							Funnel aloft	
7 E Miami	15	2:52p							Waterspout	
Suwannee County	21	about 1:45p	8	30	0	0	4	0	Tornado	A tornado touched down several times over an eight mile span of Suwannee County leaving a trail of damage estimated at \$35,000. The tornado moved northeasterly from Dowling Park to Live Oak destroying two mobile homes, a tobacco barn and a frame house. Other minor damage was also reported.
12 WSW Orlando	21	2:45p							Funnel aloft	
5 NE Key West	25	12:15p							Funnel aloft	
GEORGIA										
North	7-8				2	?	7	0	Ice Storm	This was Georgia's worst ice storm since 1935 and possibly the most destructive of record. Light rain and sleet began in extreme west and northwest counties early Sunday Morning, January 7. The precipitation changed to freezing rain, or a mixture of freezing rain, sleet and snow, and spread eastward to cover the northern third of the State by late afternoon. It continued through the night and ended in most areas during the day on Monday the 8th. By early Monday Morning, most of the area north of a line from La Grange to Washington was covered with ice. The glaze and resulting damage were heaviest in two areas; one covered a 12 to 14 county area centered around Metropolitan Atlanta and the other was a 6 to 8 county area in the extreme northwest. Sleet and snow were predominant in the extreme north central and eastern counties and damage was less. Total damage has been estimated at well over \$25 million. The State Civil Defense Office estimated damage to public property in 43 counties at about \$10 million. Total damage to personal property was probably much greater. The electric power suppliers suffered losses estimated at \$5 million and telephone companies had another \$2 million in damages. Thousands of homes and businesses were without electric and telephone service for periods ranging from a few hours to several days. Some schools were closed for more than a week. Two elderly people lost their lives in a house fire near Atlanta after electric wires were knocked down. Numerous minor injuries resulted from falls on the ice. Bitter cold followed the ice storm, adding to the problems and discomfort of the thousands without electric service and heat and making the job of restoring services more difficult.
IDAHO										
North NezPerce and Latah Counties	3	p.m.			0	0	3		Snow	Up to a foot of snow and associated glazing of roadways with temperatures dropping to subfreezing level accounted for minor accidents, delayed traffic and closing of hill roads. Heaviest snow was recorded in the Moscow, Troy and Geneese areas.
Sandpoint, Bonner County	11-12	a.m. and p.m.			0	0	3		Snow	10 to 12 inches of snowfall followed by temperatures into the 50's snailted motor vehicular traffic.
Salmon 6N, Lemhi County	12,13, 14				0	0	5		Flooding	Ice jams on the Salmon and Big Flar Rivers backed water to depths to four feet in homes and over a 2 to 4 square mile area. 425 chickens drowned. Grain, equipment, furniture and land damage was substantial. One of the strangest effects of the flood was the mounds of dirt pushed up by apparent pressure beneath the frozen surface on the property of Dr. and Mrs. Boyd Simons. Dirt was pushed up into mounds some two feet high and 10 feet across. Previously level land was covered by these mounds.
ILLINOIS										
Northern Illinois	3				0	0	6	0	Glaze, flooding	Heavy, statewide rains generally totaling between 3/4 to 1 inch, aggravated the high water and ice blocking situation on Northern Illinois rivers and produced more flooding. The rains on the 3rd were also mixed with freezing rain at times in parts of Northeast Illinois resulting in numerous pedestrian and automobile accidents and injuries. Ice jams periodically resulted in high water and flooding situations along the Fox, Rock and Illinois rivers during the first half of January.
Southern Illinois	18	0515 p 0730 p	100	?	0	0	?	0	Tornado	This tornado either weakened or remained aloft more often than it did in Missouri. It moved Northeastward across the Illinois-Missouri border about half way between Cape Girardeau and Cairo. There were only two reported touchdowns in Illinois, one on state highway 127, 1/2 mile north of Tamm and the other near the Illinois highway 141 - Indiana highway 62 toll bridge as it moved into Indiana. Evansville radar did indicate a possible tornado about 10 miles SE of Marion, Illinois which would be on the suspected path. Little or no known damage was reported in Illinois.
INDIANA										
Mt. Vernon, 10 mi. W.	18	E.S.T. 8:20p							Funnel cloud	Public reported funnel cloud travelling toward NE at 45 m.p.h.
Evansville, 20 mi. NW.	18	8:50p							Funnel cloud	Cloud moved northeastward.
Fort Branch, near	18	9:05							Funnel cloud	Funnel moving toward northeast at 45 m.p.h. was reported by public.
IOWA										
Statewide	2-3				0	0	6	0	Snow and ice storm	Storm began evening of 2nd in western Iowa. Characterized by rain, snow, ice pellets and glaze. Glazing heavy over southern Iowa particularly over Centerville-Ottumwa area, where storm was termed worst in at least 25 years. Power and communication lines were downed and power was out for as much as 2 or 3 days in several southeast Iowa locations. Heavy snow fell over west central, north central and some northeast counties. Estherville, Algona and Humboldt measured 13 inches snowfalls. Schools were closed in many parts of the State as highways became impassable.
KANSAS										
South Central, Eastern third	2-3				0	0	5	0	Ice, Snow	Sleet and freezing rain was reported over a wide area causing considerable damage to utility lines and trees. Heaviest damage was in northeastern Johnson County as 1/2 to 1 1/2 inches of ice accumulated on exposed surfaces. About 2000 customers in Kansas City, Kansas, were without power Jan. 3-4.
Southwest portion	27				1	0	4	0	Snow	Near blizzard conditions developed over portions of South Central and Western Kansas as snow, accompanied strong winds and blowing and drifting snow, resulted in very poor visibilities. A woman froze to death about 8:00 p.m. 4 miles northwest of Manter when she left her stranded automobile.
KENTUCKY										
									NONE REPORTED	
HAWAII										
									NONE REPORTED	

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LOUISIANA										
State	20		SEE END OF TABLE			0	1	4	0	Wind, ice, blizzard
										Storm began with rain and mild temperature but sudden cooling made roads very icy, with scores of skidding accidents. Storm ended as snow. High winds caused local damage and in Rockland one was injured by a falling limb. Utility outages also from high winds. Local blizzard conditions in north portion at times made travel almost impossible. Gusts to 58 m.p.h. reported at Augusta and 54 at Portland.
State	28-29				0	0	4	0	0	Snow, wind
										Snowfall mostly 8 to 12 inches with considerable drifting made all travel difficult. Schools and many businesses closed. Many skidding accidents. Local damage from high winds.
MARYLAND										
MASSACHUSETTS										
State	6		NONE REPORTED			0	1	3	0	Wind
										Windy with local damage. One injured in Lawrence when a traffic light blew down. Considerable damage to store windows in Springfield.
State	20				0	0	4	0	0	Wind, ice
										Storm beginning as rain and ending as snow, with rapidly falling temperature causing very icy roads and numerous skidding accidents. Local damage from high winds, with gusts to 70 m.p.h. at Blue Hill and 58 in Boston. Many windows broken. Damage also from falling limbs.
State	22-23	night			0	0	4	0	0	Rain, thunder
										Locally flooding rain in thundershowers, especially in the Connecticut River Valley area, with cellar flooding and cars stalled in flooded streets.
State	28-29				0	1	5	0	0	Snow, wind
										Snowfall of mostly 10 to 20 inches in central and western portion and 2 to 10 inches in the eastern third except tapering to none on Cape Cod. Heavy wet snow in eastern portion combined with high wind to topple many trees and limbs. Falling limbs broke utility lines and in West Newbury a car was crushed. Seven deaths in the western portion were attributed to heart failures while shoveling or trudging through snow. All travel slowed and vehicle accidents numerous. Schools and many other activities closed. Considerable wind damage on Cape Cod and the islands. A house under construction on Nantucket was blown down and an airplane there was flipped over, injuring the pilot. Many trees, signs, awnings, etc., down on Cape Cod. Considerable shore erosion from high waves. Gusts reported to 80 m.p.h. on Nantucket.
MICHIGAN										
Southern Lower Peninsula										
	3-5	pm - pm			3	0	4	0	0	Rain - Flooding Cold
										About 1/2 inch of rain, beginning late January 3, increased localized flooding in many areas. With colder weather, ice formed on flood waters. Late January 5, near Hastings in Barry County, a car broke through the ice into 4 feet of water after traveling 300 feet on the ice. One occupant died of exposure and 2 drowned. Total loss due to early January flooding was estimated at \$30,000.
MINNESOTA										
Southeast and South Central										
	3-4	3:00 a - 5:00 a			0	0	0	0	0	Blizzard
										Heavy snows of 6 to 12 inches started about 3:00 am on the 3rd and ended about 5:00 am on the 4th causing blizzard conditions in the south central and southeast part of State. The heaviest snow was 12 inches on a 10 mile wide line from Grand Meadow through Winona. Blizzard conditions blocked roads and closed many schools on the 3rd and 4th in the above area. Two people died of heart attacks, one shoveling snow and the other in his car.
South Central and Southeast										
	21-22	7:00 p - 6:00 p			0	0	0	0	0	Heavy snow
										Heavy snows of 4 to 8 inches began in south central area about 7:00 pm on the 21st and ended in the southeast about 6:00 pm on the 22nd. The heaviest snow was 8 inches generally in Faribault-Fredholm and Mower Counties. The heavy snows blocked some roads and did cause some school closings.
MISSISSIPPI										
State										
	5-12				0	1	6	?	?	Ice Storm
										An ice storm occurred in most Mississippi areas north of a line from Nitta Yuma, Sharkey County to Macon, Noxubee County. It commenced on the 5th, about 10:55 p.m. e.s.t. and during the next 12 hours, icing occurred on bridges and roads. Southern, DeSoto County reported an inch of snow. On the 6th, by 3:15 a.m., ice was forming in north and portions of west and central Mississippi. The ice caused trees to break, some falling on power lines and others blocking roads and highways. There was some flash flooding from the heavy rains that accompanied the storm. Icing conditions prevailed in the Bolivar, Washington, Sunflower, and LeFlore County area from the 7th through the 10th; power was off in some areas until the 9th or 10th. A four-inch limb crashed through the roof of a Greenville home and sliced into a 17-year old boy's leg at about 8:00 a.m. on Sunday, the 7th. Leland's Mayor indicated costs expected to exceed \$10,000 there; power companies in the areas affected listed damages over \$300,000 and South Central Bell estimated \$225,000 damages. In the Tupelo District, there was \$171,000 damages to telephone lines. Places closed included Greenville Airport for 3 days, most schools for 1 to 4 days in the affected areas, some businesses, and some highways and main roads. Many areas reported this as the worst ice storm in 20 years, residents indicated damages in the hundreds of thousands of dollars to trees, crops that remained in the fields, and to buildings (mostly to roofs). The ice storm moved southeastward and counties as far south as Covington, Forrest and George reported schools closed on the 10th and 11th. The Biloxi-Gulfport newspaper on the 12th noted, "The snow ceased temporarily before dawn in most places, but began again about 7 a.m. Temperatures below the freezing point and windy conditions with the snow put a sheet of ice on every bridge on the Coast. . . . and caused many schools to close. . . . It was the first snow in nine years for this area. . . ."
MISSISSIPPI (continued)										
Central Mississippi										
	18				0	0	?	0	0	Thunderstorms
										An outbreak of severe weather occurred in the afternoon and evening across Central Mississippi. Damage was mostly minor. Some small hail, diameter reported ranged up to 1/2 inch. Rain with some small scale flooding. There was strong wind, with some reports of damage mostly to trees, and to power or telephone lines. Tornadoes are listed separately.
Neshoba to Winston County										
	18	8:00 p.	7	800	0	8	5	0	0	Tornado
										Storm moved from WSW towards ENE. First touched down in Neshoba County, Stall community (lat. 32°55' N, long. 89°06' W) through Mt. Pisgah community to near Narih Waiya community (in Winston County). Sheriff's office reported 4 2 house trailers destroyed, damages to 6 houses, cotton gin, beauty parlor and barns; trees, power and telephone lines were down. Mt. Pisgah community: Mrs. C. O. Price was in the process of giving a permanent wave to Mrs. John Winters when the beauty shop building was struck; both ladies were thrown out of the building and it turned over them before it disintegrated - a hair brush was found a half mile away; Mrs. Price received bruises, Mrs. Winters suffered a broken arm. Mr. and Mrs. Jimmy Bishop received bruises when their trailer home was hit and only one wall and the floor were left. Oak Grove community: On Calhoun Road a house trailer was destroyed, occupants, Mr. Billy Gregory knocked unconscious, Mrs. Gregory had a fractured hip, and her three year old daughter received a severe head gash. On Narih Waiya Road, a house trailer was completely overturned and landed upright on its wheels, Mrs. Cotton Stokes received bruises.
Leake County										
	18	About 8:30 p.	2	?	0	0	?	0	0	Tornado
										Newspaper noted, "A small tornado skipped across the northeast sector of the county Thursday (18th) night wrecking barns and out-houses, downing electric lines, and splintering trees on two farms. No one was injured." First touched down about 8:30 p.m. in Reformation community, about 7 NE Carthage (lat. 32°18' N, long. 89°23' W); barn roof ripped off, nearby pine trees topped and splintered. Then it hit "a few miles away in the Midway community. . . ." (lat. 32°19' N, long. 89°26' W). Barn unroofed, outhouse swept away, debris (tree tops, tin roofing, etc.) scattered over a wide area across the road. Newspaper reported, "At both farms the families reported hearing a noise like a freight train shortly before the tornado hit. Large hail was reported in both areas."
Leflore County										
	20-22				0	0	?	0	0	Heavy Rain
										The cooperative river observer at Greenwood measured a 24-hour amount of 4.50 inches of rain at 7:00 a.m. of 21st. Most of this had fallen in a short period of time in the morning hours. The U.S. Corps of Engineers reported heavy rain at 8:15 a.m. and local creeks about bankfull. The Leflore County Civil Defense Director said 3.67 inches of rain fell in the Greenwood area during the 12-hours before noon (21st). About 3,800 feet east of the intersection Grenada Boulevard and Highway 7 bypass, there was a break on the north bank of the Big Sand Creek Levee about noon (21st); the break increased to 400-500 yards. The waters flooded Highway 7 about 1 NE Greenwood. There was inundation of a large section of northeast Greenwood, subdivisions on either side of the highway. Sixty-five families in the Chapman and Frederick Subdivisions were evacuated. Housing was arranged by local civic groups and the Red Cross (21 persons in local motel). One man reported more than five feet of water in his front yard and more than a foot of water in his house. The Civil Defense Director said the flooding in most instances was only an inch or two above the floor level of the house. National Guardsmen provided security to the flood evacuated area. On the 22nd, the waters subsided and cleaning up the debris began.
Marion County										
	20-21				0	0	4	0	0	Wind
										Newspaper noted, "Winds reached 53 miles per hour at . . . (Columbia) and probably were higher in many other places in the county Saturday (20th) night and Sunday (21st). Roof damage was reported from various sections of the county, trees down, and at the Columbia Airport. . . . (a) plane was swung around. The nose hit the pump end of the fuel storage tank and both received some damage. . . ." On 21st, on Highway 98 at Marion-Lamar County line (lat. 31°17' N, long. 89°31' W); Highway Patrol observed barn down and trees across utility lines; damage estimated \$500 occurred before 8:53 a.m. of 21st.

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS						
MISSISSIPPI (continued)										MISSOURI (continued)														
Simpson County	21	a.m.			0	0	3	2	Thunderstorms, Wind Funnel Cloud Aloft	Essex, 3N Stoddard County	18	4:10 p	5	300 ft	1	4			Tornado					
									Thunderstorms accompanied by heavy rains moved through the county; there was wind damage in several areas. Mr. Alvin Ainsworth estimated \$1,000 damages to his chicken farm, 4 SE Braxton, (lat. 31°59' N, long. 89°55' W). His wife wrote, my daughter observed one funnel and it remained aloft; he told newspapers, "This one wasn't on the ground. We heard it - it sounded like a train." His wife reported damage occurred 7:11 a.m. to 7:16 a.m. in an area about 800 yards wide to "just my farm pump house, half my hay barn, part of roof of chicken house." Power lines reported downed in area and some trees toppled. Storm indicated moving towards NNE at 60 m.p.h. Mr. Charlie Johnson telephoned that damage occurred on his farm in the Hubbardtown community, 5 SSE Magee, (lat. 31°48' N, long. 89°41' W) and storm moved towards NE. He wrote, there was no funnel seen, there was "Moisture of a train," the damage occurred 7:15 a.m. in an area about 75 yards wide; there was \$500 damages to a barn, \$150 damages to hay, and 1 mile injured. Fallen trees blocked Highway 28 just west of Pinola, and power lines were knocked to ground.															The tornado first touched down 3 miles north and 1 mile east of Essex (1.5 miles southeast of Balla), where power lines were damaged. The next area of damage was reported 3 miles ENE in the Birds Corner-Clines Island area where barns and farm equipment were damaged. One man was injured in this area by a board blown through his car window. Another man was lifted from the ground to heights reported to be between 4 feet and housetop levels and then returned to the ground in a prone position, but was uninjured. This storm spawned the following funnel cloud reports as it moved eastward, and probably was associated with the tornado later reported in Illinois.
Bolivar County	21	3:15 a.			0	0	?	0	Wind	Salcedo, Scott County	18	4:35 p							Funnel Clouds					
									In Cleveland (lat. 33°44' N, long. 90°43' W), power lines and TV antennas reported down. Tin buildings blown off slab foundation. Movement of storm towards NE at 50 m.p.h.										A Poplar Bluff paper reported that two Missouri State Troopers observed 5 funnel clouds aloft in the Salcedo area of Scott County 4 miles ENE of Birds Corner.					
Leake County	21	9:00 a.-9:15 a.							Funnel Cloud Aloft	Sikeston, 3N, Scott County	18	4:48 p							Funnel Clouds					
									Man wrote, during rainy weather he saw one funnel cloud that remained aloft to the south of Walnut Grove (lat. 32°35' N, long. 89°28' W). Storm moved from SW towards NE.										Funnel clouds reported 3 miles north of Sikeston.					
Hancock County	21	10:00 a.-10:32 a.			0	0	?	0	Wind	Poplar Bluff, Butler County	18	5:00 p							Hail					
									Newspaper noted, "High winds hit the Waveland area . . . between 10 and 10:15 o'clock (a.m.) causing minor damage to a trailer, a small backyard shed and power line." The mobile home trailer on Birch Street used as an administrative office was rolled off its foundation. County Civil Defense Director said damage throughout the county was minimal. In Bay St. Louis, on Beyer Drive (lat. 30°18' N, long. 89°20' W), a storage workshop was damaged and debris scattered over a large area.													Hail of 1/4 to 1/2 inch in diameter fell in the Poplar Bluff area.		
Covington County	21	10:15 a.							Funnel Cloud Aloft	Charleston, 10 W, Scott County	18	5:05 p							Funnel Cloud					
									A funnel cloud was reported 28 W Laurel (lat. 31°41' N, long. 89°26' W). It did not touch down.										The public reported a funnel cloud 10 miles northwest of Charleston.					
Forrest County	21	10:15 a.			0	0	?	0	Wind	MONTANA														
									A loud roar and severe wind reported at Hattiesburg Airport (at south edge of city, lat. 31°16' N, long. 89°15' W). At 10:15 a.m., an airplane (C-170) was turned over, and doors ripped off hangar. TV station reported few trees and power lines down in Hattiesburg.	NEBRASKA														
State	31	p.m.			0	0	?	0	Heavy Rain /	East Nebraska	2-				1	6	?	?	Snow, high winds					
									A line of thunderstorms moved through Mississippi. Strong winds and heavy rains caused localized damage. HINDS COUNTY: The thunderstorms hit the Jackson area about 4:30 p.m. and caused widespread flash flooding.										The storm began on the evening of the 2nd and continued until the late evening of the 3rd. Three to seven-inch snowfalls were common in the southeast quarter of the State; eight inches fell at Tecumseh.					
MISSOURI Northwest Missouri	3-4							7	Ice Storm	Entire State	20-22				0	?	?	?	Freezing precipitation, snow					
									Light freezing rain began falling early on the morning of January 3, south of Kansas City, and by the time it ended on January 4, it had extracted a heavy toll in utility lines, trees and personal discomfort. The heaviest hit was the area from Kansas City to Chillicothe, where tens of thousands were left without electricity to combat the bitter cold that followed the storm. This storm rated as one of the worst in the history of Kansas City. Damage in Kansas City, Missouri alone approached 5 million dollars.												Precipitation spread over western Nebraska early on the 20th, and arrived in the extreme East that evening. Rain, sleet, or freezing drizzle preceded the snow in most sections. Precipitation ended in the West late on the 20th, but continued recurrently in the East until the forenoon of the 22nd.			
Doniphan 3.5 NNE, Ripley County	18	1:55 p	2.5	300 ft	1			5	Tornado	Entire State	26-27				0	?	?	?	Snow, high winds					
									This tornado first touched down in the Oak Grove community on the west side of the Missouri Highway 21, one mile north of the MD 21 and U.S. 160 Intersection, (3.5 miles NNE of Doniphan). The tornado moved northeast badly damaging an electrical substation, overturning and damaging a mobile home, where a woman was injured. It caused considerable damage to barns and farm machinery before lifting. It apparently touched down again in a timbered area near the Highway community 2.5 miles to the northeast. This same storm was the cause of a funnel cloud reported at 2:15 p.m. approximately 7 miles west of Poplar Bluff.													Three to eight inches of wet snow accumulated in the Southeast and North; little snow fell elsewhere. Temperatures were around 32°F during the storm. Winds gusting to 40 MPH caused some blowing and drifting snow on the 21st and 22nd.		
Doniphan, Ripley County	18	1:55 p						5	Thunderstorm Winds	Entire State	26-27				0	?	?	?	Snow, high winds					
									At approximately the same time as the tornado north of Doniphan, strong winds blew over and destroyed or damaged five mobile homes located on a sales lot in Doniphan.										Precipitation began during the afternoon and evening of the 26th and continued for 18-24 hours. With the exception of the Panhandle, rain or sleet preceded the snow.					
St. Francois County	18	3:25-4:10 p						4	Funnel Cloud, Hail Thunderstorm Winds	NEVADA	16	p.m.			1	0	0	0	Flash Flood					
									A mobile home was damaged by a strong gust of wind northeast of Farmington. At about the same time a funnel cloud was reported over Flat River, and hail 3/4 inch in diameter fell in many locations in the county. Some roofs and motor vehicles were damaged by the hail.										Snowfall increased westward across the State, and ranged from 1-2 inches in the southeast corner to 6-9 inches in the southern Panhandle. In western Nebraska, 30-50 MPH north winds whipped the snow into drifts as high as six feet; near-zero visibilities were the rule. Blowing snow was also reported in the East. In the course of the storm, temperatures fell from the 40s and low 50s to the 20s and low 30s.					

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1973

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	
NEW HAMPSHIRE State	7				0	0	4	0	Wind
			Local damage from high winds. Some utility outages from falling limbs.						
State	20				0	0	4	0	Wind, ice
			Storm began as rain with mild temperature but sudden cooling glazed roads and caused hundreds of accidents throughout the state. Local damage by high winds, from falling limbs, etc.						
State	28-29				0	0	4	0	Snow, wind
			Snowfall mostly 10 to 15 inches with some greater in central and southwest and some less in the extreme north and along the coast. Heavy, wet snow near the coast combined with wind to topple limbs and damage utility wires and other property. Most schools and many other activities were cancelled. All travel slowed. Vehicle accidents numerous.						
NEW JERSEY			NONE	REPORTED					
NEW MEXICO									
Eastern Counties	8-10	All days			0	0	0	0	Ice storm
			Intermittent freezing rain began late on the 8th and continued on the 9th and into the 10th and caused widespread power and communication outages to Torrance and eastern counties. Hundreds of lines were broken or iced into unseizable condition. Many poles and arms were broken. Resulting power failure near Clovis caused loss of greenhouse tomato crop by freezing. Two-way radio tower collapsed at Livingston due to ice. Icy streets, and considerable road damage in Roosevelt and Quay counties. Damage was especially heavy in Lea county, with ice on lines accumulating to one inch at Maljamar.						
NEW YORK									
Great Lakes Counties	4	a.m.					4		Wind, freezing rain
			Winds gusting to 60 mph. caused widespread, but locally minor, damage to tree limbs and power lines in the lake plain from Lake Erie to the eastern shore of Lake Ontario. Waters of Lake Erie raised 8 feet above normal in Buffalo harbor with flooding of lake-side highways and lowlands from Athol Springs, south of Buffalo, to the Grand Island-Niagara Falls area. Combination of light freezing rain and high winds caused considerable breakage of limbs and power lines in Ontario, Cayuga and Onondaga Counties. Several thousand customers lost power in Geneva, Auburn and greater Syracuse areas. Power outages extended to Jefferson and Lewis Counties. Winds destroyed 10 x 12 foot metal storage shed in Watertown and home in Auburn sustained minor damage when struck by uprooted tree.						
Great Lakes Snowbelt	9-12								Snow squalls
			Heavy lake-effect snow squalls struck various local areas in the lee of Lakes Erie and Ontario during four-day period. On 9-10th sections of Erie, Chautauque and Cattaraugus County received from 6 to 10 inches with 12 inches at Colton, Erie County. The city of Oswego also experienced blizzard conditions on 9th with snow yields of up to 12 inches. Northeastern Wayne County caught brunt of heavy lake-effect snow on 11-12th with 12 to 18 inches in a narrow west-east strip from Sodus to Red Creek area and a local total of 22 inches at Wolcott. Amounts decreased to 5 inches or less in adjoining areas of Monroe County on the west and Oswego County to the east. From 5 to 10 inches of snow reported to lee of Lake Erie on the 11-12th. Schools closed and highway travel hampered, especially in heavy snow area of Wayne County.						
Goshen, Orange County	20						4		Wind
			Winds gusts estimated at 50 mph. ripped off large section of roof of three-story building housing a restaurant and rooming house. Damage estimated at \$10,000.						
East Central and Southeast	28-29	p.m. to early p.m.							Snow, wind
			Coastal storm yielded from 10 to 14 inches of heavy, wet snow in lower and middle Hudson Valley, from Orange and Westchester Counties northward to Columbia and Rensselaer Counties. Totals of 7 to 10 inches were widespread in Catskills, east central highlands, Mohawk and upper Hudson valleys. Winds gusting to 40 mph. on 29th caused considerable drifting. Highway travel very hazardous in southeast quarter of upstate with usual rash of auto and tractor-trailer accidents. Schools closed in Orange, Ulster and Sullivan Counties. Heavy snow and wind caused falling tree limbs and breakage of power lines in scattered localities of mid and lower Hudson Valley. Storm produced first significant snowfall of 1972-73 winter in New York City and Long Island with accumulations of 1 to 3 inches. Northeastern sections received only 3 to 6 inches of snow but high winds resulted in much drifting and poor highway conditions.						

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	
NORTH CAROLINA									
Statewide	7-9				1	2	6	5	Snow, sleet, glaze
			Snow began west portion early 7th and spread eastward, ending northeast portion 9th. Mostly ice southeast and immediate coast, accumulations to three inches. Mostly snow elsewhere, accumulations most areas four to seven inches, a few reports to nine inches. Much breakage of trees, limbs and communications lines. Persistent cold made melting unusually slow; ground cover remained some areas ten days. Schools closed from one to five days nearly all of State's 100 counties. Several roofs and buildings collapsed from weight of ice and snow; much loss and damage to property. Furniture store roof collapsed in Jacksonville, Onslow County, killing one person and injuring two, January 8. A 14,000 square foot section of warehouse roof collapsed in Lumberton January 15, a week after the main snowfall. The harvest of soybeans, cotton and corn remaining in fields due to earlier wet weather was further delayed by snow and ice cover, with consequent lowering in quality and quantity of the crops.						
Beaufort, Pitt and Washington Counties	19	2-3 p.					5	0	Wind
			Mobile homes overturned in three different areas, other minor damage. Wilmington radar indicated storms of moderate intensity, with tops to 20,000 feet.						
NORTH DAKOTA			NONE	REPORTED					
OHIO			NONE	REPORTED					
OKLAHOMA									
Most of State	2-3				0	0	1	1	Snow, rain
			Up to 4-inch snow depths accumulated mostly in western two-thirds of the State with precipitation in other areas mostly rain. Bridges became icy and roads were slushy. Many power outages were caused by limbs falling on lines when they broke from weight of the snow.						
Entire State	4-7				2	0	7	1	Ice, snow and cold
			An ice storm preceded a heavy snowstorm which engulfed the whole State. The glazed roads and bridges caused driving to be extremely hazardous. Snow accumulations were from 2 inches to 9 inches with some areas having snow of 1 inch or more on the ground for 14 consecutive days. The extreme southeast corner of the State did not receive the heavy snow accumulations, but other parts of the southeast received 4 to 5 inches. Many schools in the State had to close, natural gas supplies were interrupted in some areas due to freezing at the well-heads, several persons were killed in car accidents, several hundred persons were injured by falls on ice and in car accidents, two persons froze to death (one in Coweta and one in Tulsa), and a great number of livestock died due to the extreme weather. The snow and ice cover had melted away in most areas by January 16th leaving tremendous road damages. Crops still left standing in fields further deteriorated in quality as a result of this storm.						
Near Coweta, Wagoner County	9				1	0	0	0	Cold
			One person froze to death after apparently falling on the ice and being unable to get to shelter.						
Near Seminole, Seminole County	18	2:20 a.	4-5	30	0	4	5	0	Tornado
			A tornado apparently at roof-top level completely destroyed a mobile home, took the roofs or sides off four houses, and blew the windows out of several other homes. Cars were damaged by flying debris, large trees uprooted, barns and outbuildings destroyed, and powerlines ripped down. Four persons in one family received minor injuries. The storm moved northeast.						
Northwest Part of State	21				0	0	1	1	Snow
			Heavy snow blanketed the northwest part of the State with some accumulations up to 14 inches reported. Strong wind caused drifts up to 7 feet deep. Approximately 200 travelers were stranded by the storm.						
Northwest Part of State	27				0	0	1	1	Snow
			Heavy snow of up to 9 inches and strong winds caused drifts up to 4 feet deep in parts of the northwest area. Roads were blocked due to drifting snow and powerlines were downed.						
Most of State	31				0	0	4	0	Strong winds with rain or snow
			Strong winds caused scattered damage across the State. Some barns were destroyed and other buildings and homes damaged by the wind. Snow amounts up to 4 inches were confined to the Panhandle area, while elsewhere rain was received during the passage of the storm.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1973

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 Northwestern Corner Of State	8-9	a.m. 8- All day 9	100	*75	0	0	5	3	Wind																																								
	<p>A storm center approaching the southern coast of Oregon produced strong east winds through the Columbia Gorge, across the northern section of the Willamette Valley and the coastal area north of Pacific City. Scattered power outages and toppled trees were noted at Gresham, east Multnomah County area, Canby, and also the Tillamook-Rockaway area where there was isolated damage to barns, homes, carpools, and two cars. The wind ripped off half of the upper story of a large hay barn up the Trask River road and did extensive damage to the roof and walls surrounding a pool at a Rockaway motel. Recorded hourly winds averaged 30-31 m.p.h. on each day at Portland WSO, fastest mile of wind as 44 and 46 m.p.h. and fastest gust of 61 m.p.h. at 7:18 a.m. and 8:47 a.m. on the 9th. Astoria WSO averaged hourly winds of 17 m.p.h. on the two days and fastest miles of 24 and 26 m.p.h. with fastest gust of 51 m.p.h. at 12:05 a.m. on the 9th. Other fastest gusts were 51 m.p.h. at 1:30 p.m. on the OSU North Willamette Experiment station's recorder northwest of Canby on the 8th and also 51 m.p.h. at 7:56 p.m. and 10:47 p.m. at Portland KATU-TV station on the 9th. Highest unofficial winds of 45 m.p.h. from the east with gusts up to 66 m.p.h. were observed on Viewmont Drive in the west hills of Portland.</p>																																																
Willamette Valley and Columbia Gorge	11-12	4:00 p.- All day 12			0	0	5	0	Freezing rain																																								
	<p>Subfreezing temperatures across the area on 2-8 days ended by the 12th as a major storm center moved into western Oregon. Rains beginning in the Willamette Valley soon glazed streets and highways in the immediate Portland area and into the Gorge where travel conditions became treacherous by 7:00 p.m. and glazing contributed to numerous auto, bus and truck accidents and persons injured in falls. Most hospitals reported "full house" conditions. Icy streets cleared in most of Portland early on the 12th, but glaze continued into the Gorge where east winds persisted through the day. Glaze of 1/4-1/2 inch was common in Portland with up to 3/4 inch of ice covering all surfaces in the West Hills of Portland.</p>																																																
Clatsop, Tillamook and Willowa Counties	15	Noon- 3:00 p.			0	0	4	0	Wind																																								
	<p>The arrival of a storm along Oregon's coast caused scattered wind damage. Wind gusts at the Pacific City WSO varied from 58-75 m.p.h. between noon and 2:05 p.m. Gusts up to 75 m.p.h. were unofficially reported at the Seaside police station with several billboards blown down, one canopy blown from a mobile home, and some electrical service lines blown down. One-minute winds at Clatsop County Airport from the SSW measured 23 m.p.h. with fastest gust of 51 m.p.h. and a 30-foot office trailer was damaged when blown over. Two large shop doors were also ripped off by the wind. Damaging winds were also reported at the Joseph airport where a travel trailer was blown northward across the road and demolished. A new Cessna airplane at the airport also broke one tiedown rope and was damaged.</p>																																																
Coastal Counties	18	All day			0	0	5	0	Wind and tide																																								
	<p>A very intense storm about 250 nautical miles off Oregon's coast tracked northward and north-northeasterly during the day as it slowly filled and decreased in intensity. This high-sea's storm was not noted for its high intensity coastal winds, but it did coincide with one of the highest tide series of the year producing high tides, huge waves and beach erosion. Stronger winds of 35 m.p.h. and above persisted along the coast from 10:00 a.m. to 6:00 p.m. with these stronger readings reported during the day:</p> <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th rowspan="2">Station</th> <th rowspan="2">Time</th> <th colspan="2">Fastest Mile</th> <th colspan="2">Fastest Gust</th> </tr> <tr> <th>Speed (m.p.h.)</th> <th>Dir.</th> <th>Time</th> <th>Speed (m.p.h.) Dir.</th> </tr> </thead> <tbody> <tr> <td>Brookings WSO</td> <td>Noon</td> <td>37</td> <td>SE</td> <td></td> <td></td> </tr> <tr> <td>North Bend FAA</td> <td>11:00 a.</td> <td>27</td> <td>W</td> <td>10:10 a.</td> <td>51 W</td> </tr> <tr> <td>Florence USCG</td> <td>1:00 p.</td> <td>35</td> <td>W</td> <td></td> <td></td> </tr> <tr> <td>Newport OSU</td> <td>2:48 p.</td> <td>40</td> <td>WSW</td> <td></td> <td></td> </tr> <tr> <td>Astoria WSO</td> <td></td> <td>26</td> <td>SW</td> <td>5:17 p.</td> <td>42</td> </tr> </tbody> </table> <p>Published tide tables for this day showed a 10.2 foot high tide at Newport at 11:21 a.m. while the predicted high tide at Astoria (Tongue Point) was 9.7 feet at 12:37 p.m. The observed high tide reached 11.6 feet at both Newport and Astoria as the storm boosted tide levels one to two feet. Wave records at the Newport OSU Marine Science Center showed significant height of the waves at 14-17 feet with period of 11-12 seconds from 7:00 a.m. to 7:00 p.m. It was expected that some individual waves exceeded a height of 25 feet at their point of breaking in the surf zone. Tides in the Coos Bay area pushed to a new high reported as 11.7 feet at midday when water spilled over portions of the waterfront as several homes and cars were flooded, and several downtown businesses were hit by high water. The Clifton River entrance buoy broke loose in the storm and washed up onto nearby Sporthaven Park beach. Beach erosion on Salishan spit endangered several homes and one partially finished new home tumbled into the sea. These near record high tides were responsible for inundation of lowlands in numerous coastal estuaries. Tidal water also pushed water from the Columbia River over a 11-foot dike in the Alderbrook area of Astoria flooding several homes along Birch Street between 47th and 51st.</p>									Station	Time	Fastest Mile		Fastest Gust		Speed (m.p.h.)	Dir.	Time	Speed (m.p.h.) Dir.	Brookings WSO	Noon	37	SE			North Bend FAA	11:00 a.	27	W	10:10 a.	51 W	Florence USCG	1:00 p.	35	W			Newport OSU	2:48 p.	40	WSW			Astoria WSO		26	SW	5:17 p.	42
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					KILLED	INJURED	PROPERTY	CROPS	
PACIFIC South Pacific Samoa Islands	Dec. 31- Jan. 1				0	0	0	0	Tropical Cyclone ELENORE
	<p>After developing about 180 miles northwest of Samoa, ELENORE traveled southward and blew itself out southwest of Tonga.</p>								
Tutuila									At Tafuna Airport peak gust 93 miles an hour and frequent gusts over 70 miles an hour, all from sector NW to NE, total rainfall 6.02 inches, minimum pressure 29.250 inches, thunder and lightning entirely absent. 50 percent of crops estimated destroyed, including 60 percent of bananas, many papaya and breadfruit. Private aircraft, only one on island, flipped over, Royal Australian Air Force C-130 damaged, telephone and power lines downed. Damage heaviest on north coast: at Pagaasa new seawall and boat ramp, bridge, 800 feet of roadway washed out. On south side, minor damage to small buildings. Sanitary conditions impaired by lack of water. Damage could have been greater, except most settled areas on lee side of island relative to storm.
Ta'u Island									Estimated 50-foot waves hit Faleasoa, causing some damage, eroding near powerhouse. All crops washed out or blown down.
	<p>Repair costs for Government of American Samoa facilities estimated at \$200,000; private, other government agency and crop damage, including Swains Island, \$250,000.</p>								
Swains Island	Dec. 31- Jan. 1				0	0	4	0	Tropical Cyclone ELENORE
	<p>Most of damage apparently from unexpected storm waves which swept across one end of island, wiping out old beach, trees, homes, dispensary and weather instruments. Fortunately occurred during day on fatalities might have resulted. Tug sent from Tutuila with building materials, food, medicine and school supplies.</p>								
Western Samoa	Dec. 31- Jan. 1				0	0	?	?	Tropical Cyclone ELENORE
	<p>Incomplete reports suggest extensive damage to banana plantations on Upolu and Savaii. High waves washed out part of road between Apia and Airport. No deaths or injuries reported.</p>								
PENNSYLVANIA									NONE REPORTED
PUERTO RICO									NONE REPORTED
RHODE ISLAND									NONE REPORTED
SOUTH CAROLINA									NONE REPORTED
Statewide	7-8	Early Afternoon to Early Morning			0	0	6	7	Snow and Ice
	<p>A combination of sleet, snow and freezing rain fell over most of the state. Depths ranged from traces along the south coast to several inches in the northwest and northeast. The composition of this aggregate of snow and ice was so hard that it would easily support the weight of a large man. Temperatures remained below freezing for several days and the snow and ice lasted from 5 to 10 days in locations of fairly heavy accumulations. Damage to forests was great and property damage was considerable.</p>								
SOUTH DAKOTA									NONE REPORTED
TENNESSEE									NONE REPORTED
	6-8				0	0	5	0	Snow, sleet and glaze
	<p>Sleet and freezing rain on the 6th in the southwest portion of the State while snow spread eastward during the day into the mountains. The snow storm intensified as it moved across the State on the 7th and 8th. Repeated periods of snow until late evening of the 8th affected all areas. Snow depths of 4 to 6 inches were common, but ranged upwards to 10 inches in the Great Smoky Mountains. Subfreezing temperatures provided lower teens in the east and upper teens in west Tennessee. Creeping local traffic resulted in hundreds of fender-bender accidents and major highways and roads were blocked at times with jack-knifed trucks and ditched cars and buses. Power and telephone outages up to several hours were common in many communities as ice accumulated on lines and trees.</p>								
Nashville, Davidson County	18	10:19			0	0	4	0	Lightning
	<p>Power outages in west Nashville. Lightning struck a transformer at a TVA substation.</p>								
Madison County	21	a.m.			0	0	5	0	Rain, flooding
	<p>Heavy rain occurred between 1 a.m. and 12 noon in the Jackson area of central Madison County. Rainfall totaling over 3.0 inches resulted in flooding along streets and highways, especially in the outskirts of the City. Many lawns and other low lying areas covered by mud and debris.</p>								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1973

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	PROPERTY	CROPS	
TENNESSEE (continued)											
East	22	Night			0	0	5	0			Wind, rain
					Locally damaging winds and heavy rain occurred in scattered sections of east Tennessee during the night. Trees uprooted and power lines were damaged by the wind. Destroyed a maintenance building at the Great Smoky Mountains National Park Headquarters in Gatlinburg, loss \$ 60,000. Electrical services were interrupted in some places.						
Jackson, 2LN Madison County	18	4:55p.			0	0	0	0			Funnel cloud
					Sighted by public near Milan.						
Fayetteville, Lincoln County	26	4:10p.			0	0	3	0			Wind
					Wind caused minor damage to roof of building in Fayetteville.						
TEXAS											
Entire State	8-11				0	0	6	8			Snow and ice storm
					A severe snow and ice storm spread southward across the Panhandle and South Plains on the 8th, then moved downstate on the 9th and 10th. Austin was paralyzed by freezing rain, sleet and snow on the 10th. As much as one inch of ice covered the ground at the Austin Municipal Airport. By the morning of the 11th, up to nine inches of snow had accumulated at Clyde, in Callahan County, and eight inches of snow was on the ground in a broad band across both Taylor and Callahan Counties. The snow spread deep into East Texas, and into the upper coastal area. A few snow flakes fell as far south as Corpus Christi. Seven and one-half inches of snow accumulated at Burke, south of Lufkin, while Galveston and the upper Texas coast experienced its first measurable snow in 13 years. Galveston caught three to four inches, the second heaviest snowfall of record. The Beaumont-Port Arthur area caught three inches, also the heaviest snow since 15 inches fell there in February 1895.						
					The worst of the storm bypassed the Dallas-Fort Worth area. Elsewhere in North Central, South Central and East Texas, most normal activities were brought to a standstill. Besides the crippling effect of the ice and snow on transportation, fuel shortages resulting from excessive energy demands due to the low temperatures, forced the closing of many factories, businesses and schools in many sections of the state. Agricultural officials estimated cattle killed by the storm at near 150,000 head. Dollar loss was estimated at 25 million from cattle deaths, and another 25 million in damages from cattle losing weight and the inability of stockmen to meet market demands. Farmers with cotton still in the field lost heavily due to the inability to get the crop harvested and to loss of quality from the moisture. As many as 25,000 turkeys ranging from young birds to grown turkeys perished in the Hill Country as a result of the sleet, snow and severely cold weather. Fruit trees and ornamental trees and shrubs were damaged in the upper coastal area. Some water pipes and automobile radiators were also damaged.						
					Amarillo experienced 162 consecutive hours of freezing temperatures during the unusual cold, Lubbock 157 hours and Austin 90 hours. Minimum temperatures in the Lower Rio Grande Valley ranged from 22 degrees at Garciaville, and 24 degrees at Rio Grande City, to 26 degrees at Bayview. Damage to citrus trees was minimal due to bold hardness acquired from previous cold periods during the winter and because of wet soils.						
15 S Matagorda, Matagorda County	17	1:24 p									Waterspout
1 W Lufkin, Angelina County	20	12:50 p									Funnel aloft
					Observed one mile west of the Lufkin city limits on Highway 103.						
SW Timpson, Shelby and Panola Counties	20	2:10 p	15	200	0	0	5	0			Tornado
					Tornado touched ground near the intersection of FM 145 and Highway 87, about two miles southwest of Timpson. It moved north-northeastward for about 15 miles into Panola County. Four homes, several barns, chicken house, fences, a car, trailers, and timber were damaged in Shelby County, and several more chicken houses and barns were destroyed in the southern part of Panola County.						
Buena Vista community, Shelby and Panola Counties	20	2:15 p	15	200	0	0	5	0			Tornado
					Tornado destroyed three or four chicken barns, tore down power lines, and killed several head of cattle in Shelby County, then caused additional damage to farm property as it moved through southern Panola County. The storm traveled in a north-northeast-erly direction, and appeared to be a "twin" of the Timpson tornado, with the parallel paths about one and one-half miles apart. Speed of the two tornadoes was estimated at 40 miles per hour.						
3 N Lindale, Smith County	20	2:30 p	1/3	200	0	0	3	0			Tornado
					A tornado struck near the Harris Chapel community on U. S. Highway 69, three miles north of Lindale where it ripped about 20 square feet of roof off the home of L. I. Griffith. Immediately across the highway, three trees were uprooted, one with a trunk one foot in diameter. The tornado also demolished a small storage shed behind the residence. Total damage was estimated at two thousand dollars.						
TEXAS (continued)											
2 E Bullard, Smith County	20	3:15 p- 3:25 p	1/2	100	0	1	4	3			Tornado
					One person injured, property damage eight thousand dollars, damage to fruit and nut trees, five hundred dollars. Storm moved from southwest to northeast.						
6 W Brady, McCulloch County	20	6:00 p	1/2	20	0	0	3	0			Tornado
					A tornado touched down about six miles west of Brady. Thirty to forty trees were blown down and two or three head of cattle were killed.						
W San Saba, San Saba County	20	6:15 p- 6:45 p	4	440	0	0	3	0			Tornado, hailstorm
					A tornado touched ground at the T. K. Adams' new home about two miles west of San Saba on Highway 190, where it popped out a picture window sending it crashing about 75 feet, and lifted the roof of the house slightly, leaving it off its natural position. The tornado then skipped in a northeasterly direction and twisted off a large tree of the China Creek Road. The tornado also struck the barn of David Edmondson and took the roof off, not just the sheet metal but the rafters as well. Witnesses reported the cloud formed very suddenly with considerable lightning discharges. The tornado resembled a white smoke column in appearance. Small hail, averaging one-quarter inch in diameter fell during the storm. A few hailstones were as large as 1 3/4 inches in diameter, however.						
1 E Fredericksburg, Gillespie County	20	7:00 p	1/16	10	0	0	3	0			Tornado
					A small tornado damaged a portion of the roof at the American Heritage Museum one mile east of Fredericksburg on U. S. 290. Damage was estimated at several thousand dollars. Mrs. Edgar (Lepla) Schulze, proprietor-manager of the museum, reported that she arrived home shortly before 7:00 p.m., noting nothing unusual in the skies and only a few "minor" clouds. A few minutes after 7:00 p.m., Mrs. Schulze said she heard a roaring noise, like that of a low-flying airplane or tornado-like winds which came out of the west. She noticed a few dark, ominous clouds along with the roaring sound.						
N. Seguin, Guadalupe County	20	7:30 p	1/16	10	0	0	0	0			Tornado
					A small tornado touched ground briefly just north of Seguin, but did not cause any known damage. The tornado moved toward the east-northeast about 40 miles per hour.						
6 SW Pittsburg, Camp County	20	7:30 p	1/4	10	0	0	2	0			Tornado
					Tornado touched ground in open timber land and caused only tree damage. The storm moved toward the northeast.						
Near Kyle, Hays County	20	7:55 p									Funnel aloft
NW Commerce, Hunt County	20	8:00 p									Funnel aloft
Manor, Travis County	20	8:15 p			0	1	3	0			Windstorm, funnel aloft
					Thunderstorm winds overturned a 14 x 60 foot mobile home in Manor. A ramshackle house about 30 yards away was not damaged. One person in Manor suffered minor cuts when a window was blown out by the wind. Persons in Manor heard the roaring noise of a funnel cloud aloft, but there was no evidence that the funnel touched ground. Total property damage was estimated at four thousand dollars.						
Elgin and vicinity, Bastrop County	20	8:20 p			0	2	4	0			Windstorm, and funnel aloft
					High thunderstorm wind demolished a large mobile home four and one-half miles southwest of Elgin, and injured two people in the mobile home. In Elgin, sections of corrugated sheet metal around the baseball park were blown down, the roof of a service station nearby suffered minor damage. Also there was minor tree damage. Witnesses who live near the ball park saw a small funnel aloft, at about tree top level, but it did not touch ground. Total damage to property was estimated at 13 thousand dollars.						
Lake Austin, Travis County	20	9:00 p	1/8	40	0	0	4	0			Tornado
					A small tornado touched ground near the shoreline of Lake Austin, two and one-half miles downstream from Mansfield Dam, near the end of Murfin Road. A ten-by-twelve foot rock store room was destroyed, with the roof and top half of the walls blown away. Twenty trees were uprooted. Two elm trees crashed into a water-front home, daving in the roof of the southeast corner of the structure. Damage to the house was estimated at 6 thousand dollars. The tornado moved from southwest to northeast.						
7 1/2 SW Rockdale, Milam County	20	9:00 p	1/4	10	0	0	4	0			Tornado
					A small tornado dipped to earth twice at the Aluminum Company of America plant southwest of Rockdale. The tornado first touched down in the reclamation (scrap) area on the southwest corner of the plant site, then touched down again in the vicinity of the main gate and cafeteria. The brunt of the plant damage was atop the plant cafeteria causing a total loss of the roof. Windows in the guard house and garage were blown out, a radio antenna was blown down and a portion of the main gate was twisted before the cafeteria was hit. Property damage was estimated at 10 thousand dollars. The tornado moved from southwest toward the northeast.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1973

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	
ALABAMA Northern Third	7	all day			1	?	0	7	Glaze
	<p>Severe glazing, the worst since March, 1960, occurred from Marion County along the Mississippi border to Jackson County in extreme northeast. About 17 of Alabama's northern-most counties were affected. Heaviest damage was from Franklin County northeastward across Limestone to the highlands of Jackson County in the northeast. There was extensive damage to utility lines and trees. In Franklin County, heavily timbered, damage in the city of Russellville alone amounted to \$750,000. Power outage was 90%. An estimated 50% of the pine and 1% of the hardwood timber was damaged. At Athens, Limestone County, the entire city was without power by nightfall. One person was killed after losing control of his auto on the ice. Damage in Limestone County was placed at \$227,000 not including timber. Scores of schools were closed on the 8th all across the area due to lack of electrical power and impassable roads. In some areas, the ice did not completely melt for a week. Accurate dollar estimate of overall damage almost impossible due to widespread timber damage in remote areas.</p>								
Albertville, Marshall County	26	3:45 p	1/2	100	0	0	4	0	Tornado
	<p>Tornado struck mobile home park 1 1/2 miles northeast of Albertville destroying two unoccupied trailers and heavily damaging another. It moved northeastward damaging a store slightly. Considerable hail up to golf ball size fell in the area.</p>								

° 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 Million
- 7 \$5 Million to \$50 Million
- 8 \$50 Million to \$500 Million
- 9 \$500 Million to \$5 Billion.

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. Late Reports and corrections will be carried in the June and December issues of this publication.

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STORM DATA AND UNUSUAL WEATHER PHENOMENA

JANUARY 1973

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	
TEXAS (continued)									
7 N. Montgomery, Montgomery County	20	11:30 p			1	1	0	0	Windstorm
			A young Eagle Scout was killed and adult adviser hurt when a 100-foot pine tree crashed on a pup tent in Sam Houston National Forest during a windstorm.						
James Community, Shelby County	21	12:15 a	4	200	0	3	5	0	Tornado
			Tornado struck in the James Community northeast of Center. Four houses were heavily damaged - two were unroofed. A drive-in theatre also was damaged. There were several minor injuries. Property damage was estimated at 300 thousand dollars.						
6 S Vidor, Orange County	21	1:30 a-2:15 a	2	17	0	0	3	2	Tornado
			A tornado passed over the Albert Bourgeois home, 6 miles south of Vidor on Highway 105, but dipped down to destroy a metal storage building and uproot two trees. Witnesses reported they heard a loud noise, then looking outside, they saw debris being blown about. The tornado moved toward the north-northeast. Damage to property was less than five thousand dollars, and less than 500 dollars to crops.						
Tarrant County	31	3:30 p	?	?	0	1	4	0	Windstorm, funnel aloft
			Strong thunderstorm winds whipped through Tarrant County. One person was injured when a mobile home suffered considerable damage from the high winds about 10 miles east-northeast of Fort Worth. An automobile was blown off a road near Crowley by the high thunderstorm winds; a funnel cloud aloft was sighted in this area.						
10 E Kaufman, Kaufman County	31	5:15 p							Funnel aloft
Near Hallsville, Harrison County	31	7:23 p							Funnel aloft
UTAH									
NONE REPORTED									
VERMONT									
Southeastern portion	22	p.m.			0	0	4	0	Glaze
			Freezing rain caused extremely slippery roads and ice conditions in some areas were said to be the worst in several years. Many serious accidents. Many roads were closed for a time.						
State	28-29				0	0	4	0	Snow
			Snowfall totalling over 15 inches in southeastern corner with amounts decreasing to mostly 5 to 10 inches in the northern half. Very hazardous travel, with many accidents. Many schools closed.						
VIRGIN ISLANDS									
NONE REPORTED									
VIRGINIA									
Southeast	8-9				0	0	4	0	Snow
			Snow fell over most of the state but depths were greater than 5 inches only in the extreme south with maximum depths to 6 to 8 inches around and south of Norfolk. In the Norfolk, Chesapeake and Nansemond County areas, schools were closed, some for several days. The Norfolk Regional Airport was shut down with all air traffic stopped. Traffic was disrupted and delayed with hundreds of minor accidents. Most area offices and businesses sent their employees home while some were still trying to get to work. Major highways were opened on the 9th but many secondary roads remained closed for several days.						
Pierce, King, Clark and Skamania Counties	8-9						6	0	Wind
			Cold easterly winds swept the locally lower valleys west of the Cascades on the 8th and 9th. Downslope winds were strongest at night in local areas of Pierce and King Counties. Strong east winds were also reported in Clark and Skamania Counties. Winds were estimated at over 50 m.p.h. in many areas. Areas that reported downed trees and power outages included: Enumclaw, Tacoma, Auburn, Federal Way, Lake Tapps, Cromwell, Gig Harbor and Olympic Village. \$100,000 damage was reported to Point Defiance Bathhouse. In the Vancouver area, an elementary school had one-third of its roof blown off during the night of the 8th.						
WEST VIRGINIA									
									NONE REPORTED
WISCONSIN									
									NONE REPORTED
WYOMING									
									NONE REPORTED
LOUISIANA									
Northern and Central areas	6-8				0	0	6	6	Glaze, sleet, snow
			Sleet and freezing rain glazed the northern and central sections of Louisiana with a sheet of ice. Accumulations sufficient to collapse substantial pine timber, utility lines and trees at many places. Highways impassable, numerous traffic accidents. Power failures and fuel shortages widespread. Timber losses estimated at \$) million by Louisiana Forestry Commission, with worst damage in Bienville, Caddo, Webster, Union, Lincoln, and Ouachita Parishes						
Statewide	9-13				0	0	6	5	Snow, sleet, glaze
			Some sleet, snow and/or freezing rain reported in western areas on 9th. Main storm overspread State during 11th-12th, with snow amounts exceeding two inches over a broad area of the southwest, central and Florida Parishes. First measurable snow accumulations in some southern and coastal localities since 1951, 1960, or 1963. Schools closed most places. Roads and highways impassable or very hazardous. Fuel shortages again curtailed business and industry. Temperatures dropped to teens or low 20s Statewide morning of 13th before snow cover melted.						
Caldwell, Ouachita and Richland Parishes	18	2:15-3:20 p.	35	50-100	1	2	4	0	Tornado
			Fire touched down in open country near Jackson-Caldwell parish line, moved northeastward to north of Core, where a girl killed, mother and a baby injured as tenant farm home destroyed at 2:40 p. Infant carried through debris 300-400 yards but only slightly injured. Storm moved on into Richland Parish, but no further damages reported. Not on ground throughout entire path length.						
Madison Parish	18	5:00 p.	1/8	100	0	4	4	0	Tornado
			Washateria demolished in northern part of Tallulah. Funnel observed to touch down only briefly and to 'bounce back up' almost instantaneously. Roofs of five other houses damaged. Three of injuries minor, other moderate.						
Acadia Parish	20	3:00-3:45 p.							Funnel clouds (3)
			Funnel clouds reported at Branch, La (3:00p.); east-southeast of Church Point (3:30p.); and north of Rayne (3:45p.).						
Rapides Parish	20	3:20 p.							Funnel cloud
			Near England AFB. No apparent touchdown.						
Bossier Parish	20	3:55 p.							Funnel cloud
			Near Koran. No apparent touchdown.						
Red River Parish	20	5:45 p.	6	100	0	0	4	0	Tornado, wind
			State Police reported tornado caused considerable tree damage in Evelyn and Halfway communities near Coushatta. Path not continuous. Winds later in night also caused some damage at Coushatta.						
Ouachita Parish	20	7:20 p.							Funnel cloud
			Three miles north of Calhoun. No apparent touchdown.						
St. Bernard Parish	21	9:00 a.			0	4	4	0	Wind
			Thunderstorm winds blew two trailer homes from foundations near Kenilworth. Four injuries in one family.						

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